

CICS for MVS/ESA



Messages and Codes

Version 4 Release 1

CICS for MVS/ESA



Messages and Codes

Version 4 Release 1

Note!

Before using this information and the product it supports, be sure to read the general information under "Notices" on page v.

Second edition (April 1997)

This edition applies to Version 4 Release 1 of the IBM licensed program Customer Information Control System/Enterprise Systems Architecture (CICS/ESA), program number 5655-018, and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Consult the latest edition of the applicable IBM system bibliography for current information on this product.

This is the second edition of the Messages and Codes for CICS/ESA 4.1. It is based on the first edition, SC33-1177-00, which is now obsolete. Changes from the first edition are marked by the '+' sign to the left of the changes. The vertical lines in the left-hand margins indicate changes made between the CICS/ESA 3.3 edition and the CICS/ESA 4.1 first edition.

The CICS/ESA 3.3 edition remains applicable and current for users of CICS/ESA 3.3.

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Preface

What this manual is about: This manual contains messages unique to CICS/ESA 4.1 and is intended for use as a quick reference. It is closely linked with the *CICS/ESA Problem Determination Guide* which should also be consulted if a message indicates that there is a CICS problem.

If you need to know where programming interface information is described, or about the definitions of the different types of information in the CICS library, you should read the *CICS Library Guide*.

Who this manual is for: This manual is for anybody who needs to understand and respond to CICS messages, including system operators, system programmers, and certain terminal users.

What you need to know to understand this manual: You can refer to this manual for the meaning of a message without understanding the manual as a whole. Your understanding of CICS/ESA 4.1, however, will be enhanced by a knowledge of the types of message CICS produces, the different places it sends messages, and the different audiences it intends to reach.

How to use this manual: When you are using CICS as a system operator or terminal user, or scanning a queue containing CICS messages, have this manual available as a reference.

Online Messages and Codes: All of the CICS/ESA 4.1 messages and abend code descriptions documented in this manual (with the exception of a small number of numeric abends) are available online using the CICS transaction CMAC. For guidance on using CMAC, see the *CICS/ESA CICS-Supplied Transactions* manual.

Notes on terminology: The following terminology is used:

CICS refers to CICS/ESA

DL/I refers to IMS/ESA DL/I (Data Language/I)

VTAM refers to ACF/VTAM

TCAM refers to the DCB interface of ACF/TCAM.

APPC is used throughout this manual to refer to LUTYPE6.2 (LU6.2).

“Module” is used in this manual to refer to a program unit that is discrete and identifiable with respect to the input or output from an assembler or compiler. For the purposes of this manual, a module is the minimal serviceable object.

The *Shared Data Tables Guide* referred to in some messages is the *CICS/ESA Shared Data Tables Guide*, SC33-1186.

Determining if a publication is current

IBM regularly updates its publications with new and changed information. When first published, both hardcopy and BookManager softcopy versions of a publication are in step, but subsequent updates will probably be available in softcopy before they are available in hardcopy.

For CICS books, these softcopy updates appear regularly on the *Transaction Processing and Data Collection Kit* CD-ROM, SK2T-0730-xx. Each reissue of the collection kit is indicated by an updated order number suffix (the -xx part). For example, collection kit SK2T-0730-06 is more up-to-date than SK2T-0730-05. The collection kit is also clearly dated on the cover.

Here's how to determine if you are looking at the most current copy of a publication:

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- When the softcopy version of a publication is updated for a new collection kit the order number it shares with the hardcopy version does not change. Also, the date in the edition notice remains that of the original publication. To compare softcopy with hardcopy, and softcopy with softcopy (on two editions of the collection kit, for example), check the last two characters of the publication's filename. The higher the number, the more recent the publication. For example, DFHPF104 is more recent than DFHPF103. Next to the publication titles in the CD-ROM booklet and the readme files, asterisks indicate publications that are new or changed.

- Updates to the softcopy are clearly marked by revision codes (usually a “#” character) to the left of the changes.

Book structure

CICS/ESA 4.1 Messages and Codes contains:

Chapter 1, “DFH messages” on page 1

Describes CICS/ESA 4.1 messages in alphanumeric order. CICS/ESA 4.1 messages are identified by the prefix “DFH”.

Chapter 2, “Transaction abend codes” on page 515

Describes CICS/ESA 4.1 transaction abend codes in alphanumeric order.

Appendix, “Summary of changes” on page 639

Lists messages and abends that have been added, deleted or changed for CICS/ESA 4.1.

Bibliography

CICS/ESA 4.1 library

Evaluation and planning		
<i>Release Guide</i>	GC33-1161	April 1997
<i>Migration Guide</i>	GC33-1162	April 1997
General		
<i>CICS Family: Library Guide</i>	GC33-1226	April 1995
<i>Master Index</i>	SC33-1187	October 1994
<i>User's Handbook</i>	SX33-1188	April 1997
<i>Glossary (softcopy only)</i>	GC33-1189	n/a
Administration		
<i>Installation Guide</i>	GC33-1163	April 1997
<i>System Definition Guide</i>	SC33-1164	April 1997
<i>Customization Guide</i>	SC33-1165	April 1997
<i>Resource Definition Guide</i>	SC33-1166	April 1997
<i>Operations and Utilities Guide</i>	SC33-1167	April 1997
<i>CICS-Supplied Transactions</i>	SC33-1168	April 1997
Programming		
<i>Application Programming Guide</i>	SC33-1169	October 1994
<i>Application Programming Reference</i>	SC33-1170	April 1997
<i>System Programming Reference</i>	SC33-1171	April 1997
<i>Sample Applications Guide</i>	SC33-1173	October 1994
<i>Distributed Transaction Programming Guide</i>	SC33-1174	October 1994
<i>Front End Programming Interface User's Guide</i>	SC33-1175	October 1994
Diagnosis		
<i>Problem Determination Guide</i>	SC33-1176	October 1994
<i>Messages and Codes</i>	GC33-1177	April 1997
<i>Diagnosis Handbook</i>	LX33-6093	October 1994
<i>Diagnosis Reference</i>	LY33-6082	April 1997
<i>Data Areas</i>	LY33-6083	April 1997
<i>Supplementary Data Areas</i>	LY33-6081	October 1994
<i>Closely-Connected Program Interface</i>	LY33-6084	November 1996
Communication		
<i>Intercommunication Guide</i>	SC33-1181	April 1997
<i>Server Support for CICS Clients</i>	SC33-1591	February 1996
<i>CICS Family: Inter-product Communication</i>	SC33-0824	October 1996
<i>CICS Family: Communicating from CICS on System/390</i>	SC33-1697	October 1996
Special topics		
<i>Recovery and Restart Guide</i>	SC33-1182	October 1994
<i>Performance Guide</i>	SC33-1183	October 1994
<i>CICS-IMS Database Control Guide</i>	SC33-1184	October 1994
<i>CICS-RACF Security Guide</i>	SC33-1185	October 1994
<i>Shared Data Tables Guide</i>	SC33-1186	October 1994
<i>External CICS Interface</i>	SC33-1390	April 1997
<i>CICS ONC RPC Feature for MVS/ESA Guide</i>	SC33-1119	February 1996
<i>CICS Web Interface Guide</i>	SC33-1892	November 1996

The book that you are reading was republished in hardcopy format in April 1997 to incorporate updated information previously available only in softcopy. The right-hand column in the above table indicates the latest hardcopy editions of the CICS/ESA books available in April 1997. A book with a date earlier than April 1997 remains the current edition for CICS/ESA 4.1. Note that it is possible that other books in the library will be updated after April 1997.

When a new order is placed for the CICS/ESA 4.1 product, the books shipped with that order will be the latest hardcopy editions.

The style of IBM covers changes periodically. Books in this library have more than one style of cover.

For information about the softcopy books, see "Determining if a publication is current" on page vii. The softcopy books are regularly updated to include the latest information.

Other CICS books

- *CICS Application Migration Aid Guide*, SC33-0768
- *CICS Application Programming Primer (VS COBOL II)*, SC33-0674
- *CICS/ESA Facilities and Planning Guide for CICS/ESA Version 3 Release 3*, SC33-0654
- *CICS/ESA XRF Guide for CICS/ESA Version 3 Release 3*, SC33-0661
- *CICS Family: API Structure*, SC33-1007
- *CICS Family: General Information*, GC33-0155
- *IBM CICS Transaction Affinities Utility MVS/ESA*, SC33-1159

CICS Clients

- *CICS Clients: Administration*, SC33-1436
- *CICS Family: Client/Server Programming*, SC33-1435

Books in related libraries

IMS/VS

- IMS/VS Messages and Codes Reference Manual*, SC26-4174
- IMS/VS Failure Analysis Structure Tables (FAST) for Dump Analysis*, LY26-3992
- IMS/VS Diagnosis Guide and Reference*, LY27-9526

IMS/ESA

- IMS/ESA Diagnosis Guide and Reference*, LY27-9539
- IMS/ESA Failure Analysis Structure Tables*, LY27-9512
- IMS/ESA Messages and Codes*, SC26-4290
- IMS/ESA Application Programming: DL/I CALLS*, SC26-4274
- IMS/ESA Application Programming: DL/I COMMANDS*, SC26-4280

IBM DATABASE 2

- IBM DATABASE2 Messages and Codes*, SC26-4113

MVS/ESA

- MVS/ESA Message Library: System Codes*, GC28-1815
- MVS/ESA Message Library: System Messages, Volume 1*, GC28-1812
- MVS/ESA Message Library: System Messages, Volume 2*, GC28-1813
- MVS/ESA System Programming Library: System Management Facilities (SMF)*, GC28-1819
- MVS/ESA System Programming Library: Initialization and Tuning*, GC28-1828
- MVS/ESA System Programming Library: Application Development Guide*, GC28-1852
- MVS/ESA System Programming Library: Application Development Macro Reference*, GC28-1857
- MVS/ESA JCL Reference*, GC28-1829
- MVS/ESA Support for Measured Usage License Charges*, GC28-1098

DFP

- MVS/DFP Access Method Services for VSAM Catalogs*, SC26-4570
- MVS/DFP Macro Instructions for VSAM Data Sets*, SC26-4569

OS/VS

- OS/VS VSAM Programmer's Guide*, GC26-3838
- OS/VS2 System Programming Library: Supervisor*, GC28-0628
- OS/VS2 System Programming Library: Job Management*, GC28-0627

Access methods

SNA Formats, GA27-3136

ACF/VTAM Messages and Codes, SC27-0470

VTAM Programming, SC31-6436

Programming languages

OS PL/I Optimizing Compiler: Programmer's Guide, SC33-0006

OS PL/I Version 2 Programming Guide SC26-4307

IBM C/370 User's Guide SC09-1264

IBM OS/VS COBOL Compiler and Library Programmer's Guide, SC28-6483

VS COBOL II Application Programming: Debugging Guide, SC26-4049

VS COBOL II Installation and Customization, SC26-4048

+ IBM SAA AD/Cycle Language Environment/370

+ *Debugging Guide and Runtime Messages* SC26-4829

Programming Guide, SC26-4818

Diagnosis Guide, SC26-4815

| **Summary of changes**

+ Changes for the second edition of the CICS/ESA 4.1 book

+ This book is the second edition of the Messages and Codes book for CICS/ESA Version 4 Release 1, SC33-1177-00.

+ Changes that were made for the first edition are still indicated by a vertical bar to the left of the text. Changes made for this second edition are indicated by the '+' symbol to the left of the changes, as you can see in this section. Users of the first edition can therefore see what has changed since the first edition was published.

+ Softcopy versions of this book use both of these revision indicators, and will use the '#' symbol to mark further changes made after the publication of this second edition.

| Changes for the first edition of the CICS/ESA 4.1 book

| This book is based on the CICS/ESA Version 3 Release 3 edition, SC33-0672-02. It has been updated to incorporate changes made for CICS/ESA Version 4 Release 1. Changes since the last edition are indicated by vertical bars to the left of the changes.

| CICS/ESA 4.1 continues the process of converting messages to the new component-id format for processing by the CICS message domain. Converted messages retain the numeric part of their identifier and a 2-letter component identifier is added. For example, DFH0302 has become DFHKC0302 and DFH2302 has become DFHZC2302.

| See Appendix A for a list of new, deleted and converted messages and abends.

Chapter 1. DFH messages

While CICS is running, it can produce several types of messages:

- Console messages advise the system operator of execution progress, or request a decision.
- Certain CICS-supplied support programs communicate directly with terminal operators.
- CICS management modules and support programs log significant events and error occurrences to transient data destinations; for example, to the control system master terminal (CSMT), or to the CICS database control log (CDBC) for the CICS-DBCTL interface.
- The CICS message switching program (DFHMSP) generates message switching responses (described in the *CICS/ESA CICS-Supplied Transactions* manual).
- CICS directs informational macro notes (mnotes) to programmers (these are not documented).
- Messages produced by CICS/ESA utility programs such as DFH\$MOLS and DFHMNDUP. These messages are self-explanatory and are not documented.

APAR PQ03501

New text added

With the exception of a small number of numeric abend Transaction Dump codes, the messages described in this book can # also be viewed online using the CICS transaction CMAC. For guidance on using CMAC, see the *CICS/ESA CICS-Supplied Transactions* manual.

Message Identifiers

Message identifiers are of two types.

DFHnnnn identifiers

These consist of the prefix “DFH” followed by a four digit message number. “DFH” is the IBM assigned identifier for CICS modules. The first two digits are the CICS module reference code as follows:

01 DFHSSIN	55 DFHCSDUP
42 DFHZCNR	56 DFHCSDUP
51 DFHCSDUP	57 Emergency restart
52 DFHCSDUP	7x Command-level translators

The last two digits are assigned by CICS to identify the message or group of messages within an assembled program.

DFHccnnnn identifiers

These consist of the prefix “DFH” followed by a two-letter component identifier (*cc*), and a four-digit message number (*nnnn*). The component identifier shows the domain or the component which issues the message. Here is a list of component identifiers with associated domains and components:

AC The abnormal condition program component	DB The CICS database control component
AI The auto-install terminal model manager (AITM)	DD The directory manager
AK The activity keypoint component	DL The DL/I interface component
AM The RDO allocation manager	DM The domain manager domain
AP The application domain	DS The dispatcher domain
CC The CICS catalog domain (local and global)	DU The dump domain
CE The sign on program component	DX The CICS database control component
CP The CPI Communications component	ER The user backout program
CR The ISC remote scheduler component	EX The external CICS interface

DFH messages

FC	The file control component	SN	The signon component
FE	The FE terminal test program component	SR	The system recovery component
IC	The interval control program	ST	The statistics domain
IR	The interregion component	SZ	The front end programming interface (FEPI)
JC	The online journal control component	TC	The terminal control program component
KC	The transaction/profile manager	TD	The transient data component
KE	The kernel domain	TF	The terminal facility manager
LD	The loader domain	TI	The timer domain
LM	The lock manager domain	TM	The system termination program component
MC	The BMS message control program component	TO	The terminal object resolution program component
ME	The message domain	TP	The BMS terminal page retrieval program component
MN	The monitor domain	TR	The trace domain
MU	The message editing utility program	TS	The temporary storage control program component
MV	The MVS RESMGR exit stub	UP	The measured usage license charging support macro
PA	The parameter manager domain	US	The user domain
PC	The program control program component	VC	The volume management program
PD	The print dump exit routine DFHPDX	+WB	The Web Interface component
PG	The program manager domain	WK	The warm keypoint component
PR	The partner resource manager	XA	The XRF alternate component
PS	The system spooler interface control module component	XC	The XRF CICS availability manager
RD	The RDO allocation manager	XG	The XRF general component
RM	The recovery Manager	XM	The transaction manager
RT	The ISC transaction routing component	XO	The XRF CICS availability manager
RU	The recovery utility program	XS	The CICS security component
SI	The system initialization component	ZC	The terminal control working set component
SK	The sub task control program component	ZE	The TCP error message writer component
SM	The storage manager domain	ZN	The syncpoint component

Thus the CICS message DFHAP0002 is issued from the application domain, identified by the two-character identifier AP.

Action codes

Certain messages (for example, DFHDB8208D) include an action code after the message identifier. Action codes give guidance to the operator of the type of action needed when the message appears on the system console. The following action codes are used:

- A** Immediate action (for example, mount a tape)
- D** Immediate decision (reply to a request, for example, enter "GO" or "CANCEL")
- E** Eventual – action is required, but does not have to be taken immediately
- I** No action required (If issued via the message domain, these messages can be suppressed by specifying MSGLVL=0 as a system initialization override.)

Severity codes

Certain messages, especially those associated with messages to terminal operators and messages which come from CICS utilities, have a severity code. (DFHST0210 I, is an example.) A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is. The following severity codes are used:

- E** Error. Something has gone wrong and action is required of the user before CICS processing can continue.
- I** Information only. No action is required.

- | **W** Warning. Something may have gone wrong, a program loop for example, but CICS processing continues.
- | **S** Severe error. Something serious has gone wrong and immediate action is required. CICS processing is suspended until
- | action has been taken.

Format of information

Information about each message is presented in the following format:

- **Message identifier** – in the form DFHnnnn or DFHccnnnn
- **Message text** – the words and inserts which make up the message as displayed in CICS
- **Explanation** – the events leading to or following the production of the message
- **System action** – the action that has been or will be taken by CICS
- **User response** – the action recommended for the user (the console or terminal operator or system programmer)
- **Destination** – the device or log to which the message is sent. This is one of the following:

- Console – refers to a terminal type attached to CICS. (Route codes are 2 and 11 unless otherwise stated.)
- Terminal end user
- TERMCDBC – terminals running the CDBC transaction.
- SYSPRINT (System printer)
- One of the following transient data queues:

CADL	VTAM resource definition log
CAIL	Autoinstall terminal model manager (AITM) log
CCPI	Common programming interface for communications (CPI Communications) messages
CDBC	CICS-DBCTL interface log
CDUL	Transaction dump messages
CMIG	Migration log for messages reporting the use of functions that are no longer supported
CPLD	PL/I dumps
CPLI	PL/I sysprint output
CRDI	Log for installed resource definitions
CSDL	CEDA command log
CSCS	Sign on/off security log
CSFL	File allocation and related messages
CSKL	Log for transaction and profile resource definitions
CSMT	Write term errors and abends from DFHTACP and DFHACP
CSPL	Log for program resource definitions
CSRL	Log for partner resource definitions
CSSL	Statistics log
CSTL	Term I/O error messages from DFHTACP
CSML	Sign on/off messages
CSNE	Terminal error messages issued from DFHZNAC
CSZL	FEPI message queue.

Note: Destination CXRF is used by the alternate CICS system in an XRF environment until the other destinations are made available during the takeover.

- **Module(s)** – the name(s) of the module or modules that determined that the message should be sent. (This is not necessarily the module that issued the macro to write the message.)

XMEOUT parameters – Messages that can drive the XMEOUT global user exit include a list of XMEOUT parameters. The XMEOUT exit allows you to suppress or reroute messages that use the message domain.: A number of console messages should not be rerouted to a transient data queue. These include all DFHTDnnnn messages and certain DFHMEXMnnnn and DFHUSnnnn messages. A note to this effect is included in the descriptions of these messages.

For programming information about the XMEOUT user exit see the *CICS/ESA Customization Guide*.

Route codes – Console messages can be sent to a number of console types. The type of console to which a particular message is sent is determined by the MVS route code. Each route code maps onto one console type. The meanings of the route codes normally used by CICS are as follows:

Code Meaning

- | | |
|---|---|
| 1 | Master console action – indicates a change in system status demanding operator action |
| 2 | Master console information – indicates a change in system status (system default) |
| 3 | Tape pool status or other tape related information |

- 4 Direct access pool status or other related information
 - 5 Tape library information
 - 6 Disk library information
 - 7 Unit record pool information
 - 8 Teleprocessing control status
 - 9 System security checking
- Note:** This route code suppresses the operator's reply on the screen and on SYSLOG
- 10 System error or maintenance information
 - 11 Programmer information for the MVS log

Unless otherwise stated, console messages have the route codes '2' and '11'.

| **Message editing** – You can use the message editing utility to change the text or language of those CICS messages that are issued via the message domain. Messages that cannot be changed using the utility include a note to this effect before the message destination. See the *CICS/ESA Operations and Utilities Guide* for more information about the message editing utility.

| **Console message reformatting** – The “console message handling facility” is an optional feature of the CICS subsystem that can affect the appearance of CICS messages displayed on an MVS console. It is effective when you specify FORMATMSG=YES as an initialization parameter for the CICS subsystem, as described in the *CICS/ESA Installation Guide*. The subsystem reformatting is enabled when at least one of the following is executing in the MVS image where the subsystem is defined:

- | • CICS/MVS Version 2 Release 1.2
- | • CICS/ESA Version 3 Release 1.1 with PTF UL93938 (APAR PL66570)
- | • CICS/ESA Version 3 Release 2.1, or later
- | • A message automation subsystem (such as NetView), which enables the MVS “subsystem console message broadcasting” service.

| When this facility is used, it affects messages displayed on MVS system consoles in the following ways:

- | • The subsystem tries to ensure that all console messages issued by all CICS regions have a standard format. The standard format is:

```
Column number:      1          13          22
                   |          |          |
                   +DFHnnnn  applid  message-text
```

| The “plus” sign (+) is added by MVS to indicate that a problem-state program issued the message. It is not present when CICS issues the message while it is in supervisor state.

| The applid inserted into the message is the specific application identifier. This is the identifier that is specified in the system initialization parameter APPLID. It is the only operand when XRF=NO is also specified, or the second operand when XRF=YES is also specified.

- | • The subsystem adds routecodes specified in the ROUTECODES subsystem initialization parameter, so the messages might be sent to more console destinations than those implied in the body of this book.
- | • The subsystem reformats messages for all CICS releases, even those issued by CICS/OS/VS Version 1.
- | • The subsystem does not reformat messages that are issued by a CICS region that has not yet determined its applid. This includes messages that are issued while processing the system initialization table and its overrides.
- | • The subsystem routine that reformats the messages does not receive control until **after** the message has been recorded in the CICS job's job log. Therefore, the reformatting is not usually apparent in the job log.
- | • Messages issued by the message domain already contain the applid. The subsystem does not insert the applid into such messages, but it might insert blank characters to cause alignment into standard locations.
- | • If the original CICS message is a long one, adding the applid in the standard position might cause the message to exceed the maximum length for an MVS console message. In this case, the original message is suppressed (does not appear on the console), and a new message is issued using the MVS multiple-line console message service to split the message over several lines. Both the original message and perhaps several instances of the reformatted multiple-line message appear in the job log, but only one copy of the reformatted message is displayed on the console.
- | • For some messages where the applid normally follows a time and date stamp, inserting the applid in the standard position would have resulted in the applid being duplicated within the message. For these messages, the subsystem eliminates the time and date stamp, since they are available from other sources, and only one occurrence of the applid is shown.

DFH messages

Terminal identifiers – Some messages include a terminal identifier (*termid*) in the message text. This is normally shown as a 4-character identifier. However, when CICS cannot completely identify a terminal – for example, when intersystem communication is taking place, the terminal identifier is prefixed by the application identification (*applid*) of the system owning the terminal.

Abend code inserts – The transaction abend code insert (*abcode*) in some CICS messages is displayed as ‘????’ when neither the EXEC CICS ABEND request nor the DFHPC TYPE=ABEND macro request specifies an abend code.

Dumps – A dump is generally available for printing when a CICS system abend or abnormal termination occurs, provided the relevant data set has been specified. The dump can be used for problem determination.

Terminology – The terms “abnormally terminates” and “abnormal termination” are frequently used in a general sense to relate, as applicable, to one of the following:

- The termination of CICS as a result of an MVS ABEND macro. (The term “abend” may also be used.)
- The termination of a transaction (task) as a result of a CICS transaction ABEND macro.

MVS user abend codes

DFH messages which accompany a CICS system, utility, or subtask abend have an associated MVS user abend code. Where possible, the value of this code is the numeric part of the corresponding DFH message. Thus DFH0305 has an 0305 user abend code. If an MVS abend code is issued but not the associated CICS message, the problem probably does not originate with CICS. See the description of the MVS abend code in the *MVS System Codes* manual for further information.

The highest possible value of an MVS user abend code is 4095, therefore any DFH message with a number higher than 4095 has an MVS user abend code that does not follow the above convention. The following are lists of the abend codes for messages with numbers above 4095, in order of abend code, and in order of message number.

Ordered by abend code

0108	DFH5263	0127	DFH5148	0185	DFHJC4530	0204	DFHXA6530
0111	DFHJC4511	0147	DFH5721	0190	DFHXG6450	0205	DFHXG6439
0112	DFHJC4512	0148	DFH5722	0191	DFHXG6451	0206	DFHXG6415
0113	DFHJC4501	0149	DFH5723	0192	DFHXG6452	0207	DFHXA6523
0114	DFHJC4514	0150	DFHER5724	0193	DFHXG6453	0209	DFHXG6427
0115	DFHJC4580	0151	DFHER5725	0194	DFHXG6454	0210	DFHXA6528
0116	DFHJC4582	0152	DFH5754	0195	DFHXG6440	0211	DFH6529
0117	DFHJC4596	0161	DFHAK5802	0196	DFHXG6441	0213	DFHXG6524
0118	DFHJC4515	0162	DFHAK5803	0197	DFHXG6442	0214	DFHXA6580
0119	DFHJC4519	0170	DFHPS5394	0198	DFHXG6443	0220	DFHXO6700
0121	DFH5100	0180	DFHJC4597	0200	DFHXA6540	0221	DFHXO6704
0123	DFH5175	0182	DFHJC4509	0201	DFHXA6541	0222	DFHXO6702
0125	DFH5180	0183	DFHJC4516	0202	DFHXG6444	0223	DFHXO6703
0126	DFH5184	0184	DFHJC4534	0203	DFHXG6430	0224	DFHXO6720

Ordered by message identifier

DFHAK5802	0161	DFHJC4596	0117	DFHXG6441	0196	DFHXO6720	0224
DFHAK5803	0162	DFHJC4597	0180	DFHXG6442	0197	DFH5100	0121
DFHJC4501	0113	DFHPS5394	0170	DFHXG6443	0198	DFH5148	0127
DFHJC4509	0182	DFHXA6523	0207	DFHXG6444	0202	DFH5175	0123
DFHJC4511	0111	DFHXA6528	0210	DFHXG6450	0190	DFH5180	0125
DFHJC4512	0112	DFHXA6530	0204	DFHXG6451	0191	DFH5184	0126
DFHJC4514	0114	DFHXA6540	0200	DFHXG6452	0192	DFH5263	0108
DFHJC4515	0118	DFHXA6541	0201	DFHXG6453	0193	DFH5721	0147
DFHJC4516	0183	DFHXA6580	0214	DFHXG6454	0194	DFH5722	0148
DFHJC4519	0119	DFHXG6415	0206	DFHXG6524	0213	DFH5723	0149
DFHJC4530	0185	DFHXG6427	0209	DFHXO6700	0220	DFHER5724	0150
DFHJC4534	0184	DFHXG6430	0203	DFHXO6702	0222	DFHER5725	0151
DFHJC4580	0115	DFHXG6439	0205	DFHXO6703	0223	DFH5754	0152
DFHJC4582	0116	DFHXG6440	0195	DFHXO6704	0221		

Notes:

1. All messages which appear in the JES job log are prefixed by a time stamp and job number. Because of this, some messages will have their message text truncated. If the full message text is required, consult the MVS log as all messages in the JES log are duplicated in the MVS system log.
- | 2. User abend 0225 is internal to CICS. It is issued by DFHDTES when, during backout, an entry in a hash table has been
| marked empty where it should not be possible. This causes the CICS region to be abnormally terminated. If this abend
| occurs, you will need help to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance
| on how to proceed.

DFH01xx CICS subsystem messages

DFH0100 CICS SUBSYSTEM IS NOW INITIALIZED

Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB has been successfully initialized.

System Action: None.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0101 CICS SUBSYSTEM WAS NOT INITIALIZED

Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB could not be successfully initialized.

System Action: The system continues without the services of the subsystem.

User Response: Use the preceding DFH01xx message to investigate the reason why the subsystem could not be initialized. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0102 CICS SUBSYSTEM COULD NOT LOAD MODULE *module*

Explanation: When trying to initialize the CICS subsystem, module *module* could not be loaded into common storage. The module must either be in the MVS link pack or be capable of being loaded from a library in the MVS linklist concatenation by means of a LOAD GLOBAL=(YES,P) macro.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Investigate the reason why the module could not be loaded. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0103 CICS PARAMETER MEMBER NAME *member* IS INVALID

Explanation: The third positional parameter in the subsystem definition for the CICS subsystem is not a valid member name because it contains more than eight characters. In the entry in an IEFSSNxx member of SYS1.PARMLIB that defines the CICS subsystem, a parameter is coded that is not a valid name for a member containing CICS initialization parameters.

System Action: The parameter coded is truncated to eight characters and the result is used as the member name for reading

CICS parameters from SYS1.PARMLIB. Whether or not the resultant parameters are valid, the system later issues message DFH0101 and does not initialize the subsystem.

User Response: Correct the definition of the CICS subsystem in the IEFSSNxx member of SYS1.PARMLIB. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0104 CICS PARAMETER ERROR IN *member* - *parameter*

Explanation: When examining CICS subsystem initialization parameters from the named member of SYS1.PARMLIB, a syntax error was detected. The record containing the error is shown in the message.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Correct the syntax error in the subsystem parameter. See the *CICS/ESA Intercommunication Guide* for details of the syntax of subsystem initialization parameters. After correction, re-IPL MVS to reinitialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0105 CICS SUBSYSTEM INITIALIZATION IS NOT SUPPORTED FOR THIS MVS RELEASE

Explanation: Initialization of the CICS subsystem is not supported on MVS releases earlier than MVS SP 2.2.0.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Defer implementation of the CICS subsystem services until after the prerequisite release of MVS is installed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH42xx (DFHZCNR) messages

DFH4200 *jobname tranid*

Explanation: *jobname* is the jobname of CICS in the MVS system. CICS transaction *tranid* has issued a TC READ request to the operator console.

System Action: The transaction is suspended pending a reply.

User Response: Enter a reply at the console.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHZCNR

DFH51xx (DFHCSDUP) messages

DFH5100 S SEVERE ERROR IN MODULE *modname*. ABEND CODE: *abcode*

Explanation: An internal error has occurred in module *modname*, when invoked by a CSD utility command.

System Action: Processing terminates abnormally with an operating system dump and abend code *abcode*. The CSD utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: See the description of abend code *abcode* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5101 I *command* COMMAND EXECUTED SUCCESSFULLY.

Explanation: The execution of a CSD utility command *command* completed successfully.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5102 I WARNING MESSAGES ISSUED WHILE PROCESSING *command* COMMAND.

Explanation: The CSD utility issued messages during syntax-checking and execution of the *command* command.

System Action: Normal utility processing continues to the end of the job.

User Response: Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5103 I ERROR(S) OCCURRED WHILE PROCESSING *command* COMMAND.

Explanation: The CSD utility either found a syntax error in the utility command *command*, or the command *command* failed to execute correctly.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, then subsequent commands (except LIST) are checked for

syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: If the command failed because of syntax errors, correct the command.

If the command failed to execute correctly, this may have been caused by a previous error. In such a situation, an associated error message, such as DFH5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5104 W SUBSEQUENT COMMANDS (EXCEPT LIST) ARE NOT EXECUTED BECAUSE OF ERROR(S) ABOVE.

Explanation: After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a Put-Message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which will still be executed if the primary CSD file can be opened.

System Action: Subsequent CSD utility commands (except LIST) are ignored.

User Response: Check for a syntax error in the commands used and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in DFHCSDUP output before message DFH5104 is issued.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5105 W *command* COMMAND NOT EXECUTED BECAUSE OF PREVIOUS ERROR(S).

Explanation: If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

System Action: The CSD utility command is not executed.

User Response: Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5107 I COMMANDS EXECUTED SUCCESSFULLY: *nn*
 COMMANDS GIVING WARNINGS: *nn* COMMANDS
 IN ERROR: *nn***

Explanation: The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

System Action: Normal processing continues to the end of the job.

User Response: If any CSD utility commands in error were executed, decide if the results are what you want.

If they are NOT what you want, correct them and resubmit them in another job.

If any commands were not executed, you must resubmit them. (See message DFH5108.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5108 I COMMANDS NOT EXECUTED AFTER ERROR(S): *nn*

Explanation: The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by *nn*.

System Action: Normal processing continues to the end of the job.

User Response: Correct the commands in error and resubmit them in another job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5109 I END OF DFHCSDUP UTILITY JOB. HIGHEST
 RETURN CODE WAS: *retcode***

Explanation: The CSD utility job is complete.

System Action: Control returns to the invoker, that is, either the operating system or to an invoking program.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5110 W ERROR FOUND IN 'PARM=' PARAMETER DATA ON
 EXEC JOB STEP. THIS DATA IS IGNORED.**

Explanation: The value of the PARM parameter on the EXEC job in the JCL to run the DFHCSDUP utility is incorrect.

System Action: The PARM parameter is ignored. The CSD is opened for read and write operations.

User Response: Correct the erroneous PARM value. The incorrect value can be found in the job step.

The *CICS/ESA Operations and Utilities Guide* describes how to code the PARM parameter.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5114 S THE {PRIMARY | SECONDARY} CSD HAS NOT
 BEEN INITIALIZED. COMMAND NOT EXECUTED.**

Explanation: The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully.

System Action: The CSD utility ignores the command.

User Response: Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5115 S THE PRIMARY CSD IS ALREADY INITIALIZED.
 COMMAND NOT EXECUTED.**

Explanation: An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

System Action: The INITIALIZE or SERVICE command is ignored.

User Response: Confirm that the correct CSD file was specified.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5116 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN
 INVALID KEY LENGTH. PROCESSING IS
 TERMINATED.**

Explanation: The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5117 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID RECORD SIZE. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(100 500). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5120 I {PRIMARY | SECONDARY} CSD OPENED; DDNAME: ddname

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5121 S I/O ERROR WHILE OPENING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5122 S VSAM ERROR WHILE OPENING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5123 I {PRIMARY | SECONDARY} CSD CLOSED; DDNAME: ddname

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5124 S PROCESSING TERMINATED. CORRUPTED CSD CONTROL RECORD DETECTED WHILE CLOSING CSD; DDNAME: ddname

Explanation: A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System Action: No further CSD utility commands are processed.

User Response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5125 S ERROR OCCURRED WHILE CLOSING THE CSD. FILE IS FULL; DDNAME: ddname

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set *ddname* was full.

System Action: Utility command processing is terminated.

User Response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5126 S I/O ERROR WHILE CLOSING THE {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: An I/O error occurred when reading or writing the control records of the CSD file, before closing VSAM data set *ddname*.

System Action: No further utility commands are executed.

User Response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5127 S VSAM ERROR WHILE CLOSING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: A VSAM error occurred when closing the data set *ddname* in the JCL as the primary or secondary CSD file.

System Action: No further CSD utility commands are executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5128 S PROCESSING TERMINATED. {PRIMARY | SECONDARY} CSD ACCESSED BY ANOTHER USER AND COULD NOT BE SHARED. DDNAME: ddname

Explanation: The CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use. The offline utility program is currently unable to open the CSD file.

System Action: The utility command is not executed.

User Response: Wait until the CSD file becomes available again (in accordance with the SHAREOPTIONS rules defined for the cluster).

Note: You can also specify PARM=CSD(READONLY) if LIST is the only command you want to execute.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5130 E UNABLE TO LOCATE MODULE DFHCICS. PRIMARY CSD NOT INITIALIZED.

Explanation: The DFHCICS module is missing from the library.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that the DFHCICS module is present in the library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5131 I LIST *listid* CREATED.

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5132 S UNABLE TO CREATE LIST *listid*

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list *listid* on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5133 S CSD CONTAINS ONE OR MORE LISTS. NO LISTS MAY BE PRESENT ON THE CSD WHEN THE INITIALIZE COMMAND IS ISSUED.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Redefine the data set and re-run the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5134 S ERROR OCCURRED WHILE ADDING GROUP *grpname* TO LIST *listid*

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group *grpname* to the CSD file as a member of an IBM-protected list *listid* created an error. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5135 I GROUP *grpname* ADDED TO LIST *listid*

Explanation: A group definition *grpname* has been satisfactorily created on the CSD file in list *listid*.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5136 W GROUP *grpname* IS ALREADY A MEMBER OF LIST *listid*

Explanation: Group *grpname* already exists in list *listid*. CICS does not create a duplicate entry.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5140 I TOTAL xxxxxxxx DEFINITIONS CREATED: *nn*

Explanation: CICS issued this message after migrating a CICS table. *nn* definitions of type xxxxxxxx have been created on the CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5141 S UNABLE TO CREATE NEW GROUP *grpname*

Explanation: The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group *grpname* on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System Action: Processing of the MIGRATE command is terminated.

User Response: Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5142 E COMMAND NOT EXECUTED. *lgnam* WAS NOT UPDATED BECAUSE OF A PREVIOUS UPDATE FAILURE.

Explanation: The list or group *lgnam* cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System Action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User Response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5143 I GROUP *grpname* CREATED.

Explanation: A new CSD group, *grpname*, has been created for the data in the table being migrated.

System Action: Migration continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5145 E COMMAND NOT EXECUTED. *lgnam* HAS BEEN LOCKED BY APPLID: *applid*, OPID: *opid* TO PREVENT UPDATING.

Explanation: The list or group *lgnam* cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

User Response: Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5146 E COMMAND NOT EXECUTED. *lgnam* IS CURRENTLY BEING UPDATED BY APPLID:*applid*, OPID:*opid*

Explanation: The list or group *lgnam* cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

User Response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5147 E COMMAND NOT EXECUTED. *lgnam* ALREADY EXISTS AS A {GROUP | LIST}

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System Action: Processing of the utility command is terminated.

User Response: Choose a different name for the target group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5148 E UNABLE TO GET STORAGE FOR {FCT | RDT | LD} TABLE NAMED *table*

Explanation: There is insufficient storage to satisfy a GETMAIN request for table *table*.

System Action: The system action depends on the table specified as follows:

LD (language definition table)

The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0127.

FCT and RDT

The CSD utility cannot migrate the table, and terminates processing of the utility command.

User Response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the

library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5149 E COMMAND NOT EXECUTED. *xxxxxxx* IS IBM-PROTECTED.

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System Action: The CSD utility does not create a definition.

User Response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5159 I *resource object* DEFINED IN GROUP *grpname*

Explanation: The CSD utility has successfully added a resource definition to a group, where:

- *resource* is the type of resource (PROGRAM, MAPSET, PARTITIONSET, TRANSACTION, PROFILE, TERMINAL, TYPETERM, SESSION, or CONNECTION).
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5164 W NO DEFINITION OF *resource object* CREATED. THIS DUPLICATES AN EXISTING DEFINITION IN GROUP *grpname*

Explanation: The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- *resource* is the type of resource.
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a unique name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5165 S PROCESSING IS TERMINATED. AN ERROR OCCURRED WHILE WRITING *resource object* TO THE CSD.

Explanation: An error occurred when the CSD utility called DFHDMP to write the definition of the object *object* to the CSD file. The CSD file may be full or corrupted.

resource is the type of resource.

System Action: If the CSD is full, the CSD utility issues message DFH5176, and then terminates with a return code of 12 in message DFH5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFH5175, usually accompanied by one or more of the explanatory messages, DFH5177, DFH5178, and DFH5179.

User Response: Use the additional messages to determine the cause of the error and the appropriate user action required.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5166 E DISALLOWED CHARACTER IN *resource NAME object*

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. *resource* is the type of resource, and *object* is the name of the object.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5167 S THE CSECTS IN TABLE *table* HAVE BEEN LINK-EDITED IN THE WRONG ORDER.

Explanation: While processing a MIGRATE command, the CSD utility has detected that the CSECTS in table *table* are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTS.

System Action: The CSD utility does not process the MIGRATE command.

User Response: Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTS within the tables.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5168 S TABLE LOADED FROM LIBRARY MEMBER *table* IS NOT A VALID {FCT | RDT | TCT}.

Explanation: After loading the table *table*, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

System Action: The MIGRATE command is not processed.

User Response:

1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5169 S PROCESSING IS TERMINATED. TABLE *table* WAS ASSEMBLED FOR CICS RELEASE *rrr*. REASSEMBLE FOR RELEASE *sss*.

Explanation: After loading the table *table*, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (*rrr*) for which the table was assembled, and is invalid for the CICS system (release *sss*) that is running.

System Action: The MIGRATE command is not processed.

User Response: Reassemble the table for the correct release of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5171 E NO DEFINITION FOR FILE DFHCSD CREATED. THE CSD SHOULD BE DEFINED IN THE SIT.

Explanation: The CSD utility detected an attempt to migrate a definition of the CSD to the CSD.

System Action: The CSD utility creates no definition for DFHCSD. Normal utility processing continues with the utility return code set to 8.

User Response: Remove the definition of the CSD from the FCT. Ensure that your definition of the CSD is added to the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5172 W NO DEFINITION FOR FILE *file* CREATED. BDAM FILES ARE NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected an attempt to migrate a definition of a BDAM data set to the CSD. BDAM data sets are not supported by RDO.

System Action: The migration request is ignored. A definition for the named BDAM data set is not created. Normal utility processing continues, but the utility return code will be set to 4.

User Response: BDAM data sets should be defined to CICS using the FCT. Re-assemble your FCT with

MIGRATION=COMPLETE on the TYPE=INITIAL macro after all VSAM data sets have been migrated. Use the generated FCT as you would in a non-RDO environment.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5173 SERVREQ=REUSE IS IGNORED IN THE DEFINITION OF FILE *filename* BECAUSE IT IS NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected an attempt to migrate to the CSD the definition of VSAM file *filename* with SERVREQ=REUSE specified. RDO does not support files with the SERVREQ=REUSE attribute.

System Action: The SERVREQ=REUSE attribute of the file is ignored, and the file is migrated to the CSD without it. Normal utility processing continues, but the utility return code is set to 4.

CICS/ESA 4.1 supports the concept of empty files without the need to specify a separate FCT entry with SERVREQ=REUSE in order to load the data set. The SET FILE EMPTY command can be used for a file allocated to a data set defined as reusable. It specifies that the data set is set empty the next time the file is opened. After the initial loading of a file, CICS file control handles internally the closing and reopening of a file to take it out of VSAM load mode.

User Response: Eliminate use of SERVREQ=REUSE files from your installation.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5174 W PROCESSING IS TERMINATED. COMMAND CANNOT BE EXECUTED BECAUSE 'PARM=CSD(READONLY)' WAS SPECIFIED.

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System Action: This command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Amend the JCL to specify 'PARM=CSD(READWRITE)'.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5175 S PROCESSING IS TERMINATED. UNEXPECTED RESPONSE FROM *function* IN CSD MANAGER.

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is *function*.

System Action: DFHCSDUP issues additional messages and then

- Terminates **normally** for CSD open/close errors, and the CSD-full condition, or
- Terminates **abnormally** for all other situations.

User Response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5176 S PROCESSING IS TERMINATED. CSD IS FULL.

Explanation: The VSAM data set containing the CSD file is full.

System Action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

User Response: First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy. (You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5177 S PROCESSING IS TERMINATED. CSD I/O ERROR OCCURRED.

Explanation: An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5178 S PROCESSING IS TERMINATED. SEVERE CSD ERROR OCCURRED.

Explanation: An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: See the VSAM diagnostics given in message DFH5179.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5179 S VSAM ERROR. RETURN CODE = nn ERROR CODE = ddd(yy) CONTROL BLOCK TYPE = {RPL | ACB}

Explanation: VSAM returned the following diagnostics when an error occurred, where:

- nn is the hexadecimal VSAM return code
- yy is the hexadecimal VSAM error code (ddd is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
 - RPL = Request macro responses from VSAM
 - ACB = OPEN/CLOSE responses

The error code is:

- For CONTROL BLOCK TYPE = RPL, the FDBK field in the RPL
- For CONTROL BLOCK TYPE = ACB, the ERROR field in the ACB

System Action: The CSD utility terminates command processing, and in some situations, produces an operating system dump.

User Response:

For the meaning of the VSAM return and error codes, refer to the *MVS/DFP Macro Instructions for VSAM Data Sets* manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists. Check whether the data set is being concurrently accessed by CICS running in another region.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5180 S PROCESSING IS TERMINATED. ERROR OCCURRED WHILE CSD WAS BEING READ BY {SETBROWSE | GETNEXT} {SCANSETS | SCANOBS}

Explanation: When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

System Action: The CSD utility terminates with an MVS abend 0125.

User Response: This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5181 W NO MATCH FOUND FOR GENERIC {GROUP | LIST} IDENTIFIER xxxxxxxx

Explanation: The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5182 W {GROUP | LIST} xxxxxxxx DOES NOT EXIST.

Explanation: The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5183 W {GROUP | LIST} xxxxxxxx EXISTS AS A {GROUP | LIST} NAME.

Explanation: The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5184 S PROCESSING IS TERMINATED. INVALID OUTPUT FROM DFHPUP. CANNOT FORMAT DATA FOR UTILITY LISTING.

Explanation: There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System Action: The CSD utility terminates with an MVS abend 0126.

User Response: This error must be reported.

Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the error(s) have occurred because they will refuse to print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5186 W NO RESOURCES DEFINED IN GROUP *grpname* OR NO GROUPS DEFINED IN LIST *lstid*

Explanation: In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System Action: The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User Response: Run the DFHCSDUP VERIFY utility.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5187 I *resource* IS LOCKED, BUT IS NOT THE NAME OF A GROUP OR LIST.

Explanation: The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System Action: The utility continues normal processing of the VERIFY command.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5188 I {*GROUP* | *LIST* | *RESERVED NAME*} *resource* IS NOW AVAILABLE FOR USE.

Explanation: The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System Action: Normal processing of the VERIFY command continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5189 I CSD VERIFY PROCESS COMPLETED SUCCESSFULLY.

Explanation: The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5190 S COMMAND IS NOT EXECUTED. UNABLE TO GET STORAGE FOR SERVICE MODULE *progrname*

Explanation: There is insufficient storage available to load the service module *progrname*, that is to be loaded and executed by DFHCSDUP.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that there is sufficient storage allocated to load module *progrname*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5191 I SERVICE PROGRAM *progrname* IS RUNNING.

Explanation: The service module *progrname* has been loaded correctly. Execution of the module has started.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5192 S COMMAND IS NOT EXECUTED. CSD SERVICE LEVEL *ttt* IS INCOMPATIBLE WITH CURRENT SERVICE LEVEL *sss*

Explanation: Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5193 S COMMAND IS NOT EXECUTED. SERVICE MODULE *progname* IS UNABLE TO UPGRADE CSD TO TARGET SERVICE LEVEL *ttt*

Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module *progname* being applied to the CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that the service module *progname* being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level *ttt*.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5194 I UPGRADING SERVICE STATUS OF CSD FROM LEVEL *sss* TO LEVEL *ttt*

Explanation: The loaded service module is performing the required upgrade of the CSD file from service level *sss* to service level *ttt*.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5195 I EXECUTION OF SERVICE PROGRAM *progname* COMPLETE.

Explanation: The loaded service program *progname* has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5196 S COMMAND IS TERMINATED. ERROR OCCURRED WHILE READING CONTROL SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the specified CSD file.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5197 S COMMAND IS TERMINATED. UNRECOGNIZED CONTROL RECORD ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The contents of a control record of the secondary input CSD are invalid.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5198 I CSD RECORD MODIFIED FOR xxxxxxxx

Explanation: The specified modification to a record on the CSD file has taken place.

The insert, xxxxxxxx, is the element type.

System Action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5199 W INVALID FIELD ENCOUNTERED IN EXISTING RECORD FOR xxxxxxxx

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified for element xxxxxxxx.

System Action: Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH52xx (DFHCSDUP) messages

DFH5200 S COMMAND NOT EXECUTED. NO VALID LANGUAGE TABLE WAS LOADED.

Explanation: Either the CSD utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System Action: The CSD utility terminates, because it cannot process any commands.

User Response: Check that the correct version of the RDO language table (DFHEITCU) is in the program library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5201 S *command* COMMAND IS NOT VALID. COMMAND NOT EXECUTED.

Explanation: The CSD utility does not recognize the command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5202 S INCORRECT SYNTAX FOR *command* COMMAND. COMMAND NOT EXECUTED.

Explanation: The syntax of the command is incorrect.

System Action: The CSD utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5203 W RIGHT PARENTHESIS ASSUMED AFTER THE VALUE OF xxxx.

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

System Action: The CSD utility executes the command as if the right parenthesis was present.

User Response: Confirm that the correction applied by the utility generated the required command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5204 E COMMAND NOT EXECUTED. xxxx KEYWORD IS NOT VALID.

Explanation: The keyword xxxx is not valid on this command.

System Action: The utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5205 E COMMAND NOT EXECUTED. NO VALUE WAS SPECIFIED FOR xxxx.

Explanation: The option xxxx is incomplete, possibly because a value has been omitted.

System Action: This CSD utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5206 E COMMAND NOT EXECUTED. DUPLICATE SPECIFICATION OF xxxx.

Explanation: Option xxxx appears twice on a single CSD utility command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5207 E COMMAND NOT EXECUTED. xxxxxxxx DOES NOT REQUIRE A VALUE.

Explanation: The CSD utility detected an input command coded with a value for option xxxxxxxx when no value was required.

System Action: The utility does not process the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5210 E COMMAND NOT EXECUTED. INVALID VALUE WAS SPECIFIED FOR xxxx.

Explanation: The CSD utility detected an input command coded with an invalid value for option xxxx.

System Action: The utility does not process the command.

User Response: Correct the value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5211 E COMMAND NOT EXECUTED. OPERAND DELIMITER x WAS MISPLACED.

Explanation: The CSD utility has detected an input command coded with a misplaced option delimiter x.

System Action: The utility does not process the command.

User Response: Place the delimiter correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5212 E COMMAND NOT EXECUTED. comptype string IS NOT UNIQUELY IDENTIFIABLE.

Explanation: An ambiguous DFHCSDUP command has been specified.

- *comptype* is the command component type
- *string* is the actual component.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry. See accompanying message DFH5213 for further details of the command failure.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5213 E SPECIFIED *input* COULD BE INTERPRETED AS *match1* OR *match2*.

Explanation: An ambiguous DFHCSDUP command has been specified.

- *input* is the ambiguous character string
- *match1* and *match2* are two possible interpretations of *input*.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5214 W *keyword* IS AN OBSOLETE KEYWORD. IT IS IGNORED.

Explanation: The CSD utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS, but the command can be used as input to the CSD utility for an earlier release.

System Action: The utility ignores the keyword.

User Response: Confirm that the resulting utility command is correct for this release of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5215 E COMMAND NOT EXECUTED. A CLOSING PARENTHESIS HAS BEEN OMITTED FROM A NULL VALUE SPECIFIED ON AN ALTER COMMAND.

Explanation: A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5216 E *restype rename* IS NOT IN GROUP *group*.

Explanation: A nonexistent resource of type *restype* and name *rename*, has been specified on an ALTER command.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5217 E COMMAND NOT EXECUTED. A CLOSING BRACKET HAS BEEN OMITTED FROM A DESCRIPTION KEYWORD.

Explanation: A closing bracket has been omitted from the DESCRIPTION keyword on a DFHCSDUP DEFINE command.

System Action: The DEFINE command is not executed.

User Response: Correct the DEFINE command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5220 E COMMAND NOT EXECUTED. xxxxxxxx MUST BE THE FIRST COMMAND.

Explanation: The CSD utility found an INITIALIZE command after other commands.

System Action: The CSD utility ignores the command.

User Response: Confirm that the INITIALIZE command was misplaced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5222 E COMMAND NOT EXECUTED. xxxxxxxx KEYWORD WAS OMITTED OR SPECIFIED INCORRECTLY.

Explanation: A required keyword xxxxxxxx was omitted from a CSD utility command.

System Action: The utility ignores the command.

User Response: Specify keyword xxxxxxxx.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5223 E COMMAND NOT EXECUTED. xxxxxxxx KEYWORD CONFLICTS WITH xxxxxxxx KEYWORD.

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.

System Action: The utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5224 E COMMAND NOT EXECUTED. VALUE OF xxxxxxxx IS OUT OF VALID RANGE.

Explanation: The CSD utility detected an input command coded with a numeric value for value xxxxxxxx which was outside the valid range.

System Action: The utility does not process the command.

User Response: Correct the value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5225 E COMMAND NOT EXECUTED. SAME NAME SPECIFIED FOR 'TO' AND xxxxxxxx.

Explanation: This message is issued for one of the following reasons:

1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System Action: The CSD utility or CICS ignores the command.

User Response: Correct the name (or names) in error.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5227 E COMMAND NOT EXECUTED. USE OF GENERIC NAME CONFLICTS WITH xxxxxxxx OPTION.

Explanation: A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5228 E COMMAND NOT EXECUTED. ONLY ONE RESOURCE-TYPE KEYWORD CAN BE SPECIFIED.

Explanation: The CSD utility detected an input command coded with more than one resource-type keyword.

System Action: The utility does not process the command.

User Response: Correct the command to refer to only one resource-type keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5229 E COMMAND NOT EXECUTED. xxxxxxxx IS INVALID BECAUSE A RESOURCE-TYPE KEYWORD WAS SPECIFIED.

Explanation: The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System Action: The utility does not process the command.

User Response: Correct the command and resubmit.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5230 I ERASE COMMAND IS OBSOLETE. USE THE DELETE COMMAND.

Explanation: The CSD utility detected the obsolete ERASE command in its input.

System Action: The utility processes the command as a DELETE command.

User Response: In future, use the DELETE command instead of the ERASE command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5231 E COMMAND NOT EXECUTED. xxxxxxxx IS INCOMPATIBLE WITH THE MIGRATE COMMAND FOR table-type TABLES.

Explanation: An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System Action: The CSD utility terminates.

User Response: Correct the command syntax and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5232 E COMMAND NOT EXECUTED. xxxxxxxx PARAMETER MUST NOT BEGIN WITH 'DFH'.

Explanation: In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit with a valid table name or group name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5233 E COMMAND NOT EXECUTED. xxx TABLE TYPE IS NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO. RDO supports program, transaction, and terminal definitions (RDT).

System Action: The utility does not process the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5234 E COMMAND NOT EXECUTED. command IS NOT SUPPORTED.

Explanation: The CSD utility detected a command *command* in its input which is not supported by RDO.

System Action: The utility does not process the command.

User Response: Correct the command

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5235 E COMMAND NOT EXECUTED. GROUP OR LIST MUST BE SPECIFIED.

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System Action: The utility command is not executed. This message is followed by DFH5104.

User Response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5236 I A USER EXIT PROGRAM HAS BEEN SPECIFIED ON THE ENTRY LINKAGE AND ON THE USERPROGRAM KEYWORD. THE PROGRAM SPECIFIED ON THE ENTRY LINKAGE HAS BEEN IGNORED.

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System Action: The program specified on the USERPROGRAM keyword is used.

User Response: Ensure that the user program used is the one intended.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5240 S PROCESSING TERMINATED. ERROR OCCURRED WHILE INPUT UTILITY COMMAND WAS BEING READ.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System Action: The CSD utility terminates abnormally without processing the input commands.

User Response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5241 S PROCESSING TERMINATED. INVALID RECORD LENGTH ON INPUT UTILITY COMMAND DATA STREAM.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System Action: The CSD utility cannot process any commands. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5242 E COMMAND NOT PROCESSED. TOO MANY CONTINUATION RECORDS FOR INPUT UTILITY COMMAND.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System Action: The utility does not process the command.

User Response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5251 I resource object IN GROUP grpname IS REPLACED.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- *resource* is the type of the resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5252 I resource object COPIED TO GROUP grpname.

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5253 E GROUP grpname NOT FOUND IN CSD FILE - DDNAME: ddname

Explanation: The CSD utility has detected a COPY command that attempted to copy definitions from the non-existent group, *grpname*, in the CSD specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5254 E resource object ALREADY EXISTS IN THE TARGET GROUP.

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: The CSD utility does not process the command.

User Response: Change the name in the command, or alter the name of the existing definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5255 E LIST xxxxxxxx NOT FOUND IN CSD FILE - DDNAME: ddname

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5256 E NO RESOURCES DEFINED IN GROUP *grpname*.

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System Action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User Response: Run the DFHCSDUP VERIFY utility to verify the group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5257 E LENGTH OF 'TO' PREFIX MUST BE LESS THAN OR EQUAL TO LENGTH OF 'GROUP' PREFIX.

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System Action: The utility ignores the command to prevent truncation of the TO group name.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5258 I COPYING GROUP *grpname1* TO *grpname2*

Explanation: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting *grpname1* and *grpname2* respectively.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5259 I UNRECOGNIZED RESOURCE TYPE FOUND IN THE CSD FILE AND HAS BEEN IGNORED.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.

3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5261 W RDT IS EMPTY. NO VTAM RESOURCES IN ASSEMBLED TABLE.

Explanation: The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

System Action: The utility does not create any CSD definitions.

User Response: Check the TCT source code to see if it contains any RDO-supported definitions. If it does, check that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5262 S INSUFFICIENT STORAGE TO BUILD TYPE-MATCHING CHAIN.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated will remain on the CSD.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5263 S ERROR IN INPUT RDT. INCORRECT SEQUENCE OF COMMANDS.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated will remain on the CSD. The MVS user abend code is 0108.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5264 W RESOURCE *object* NOT DEFINED. GROUP *grpname* NOT AVAILABLE.

Explanation: During the migration of a TCT, the CSD utility could not define a resource *object* because the target group *grpname* was not available. The utility has issued a previous message indicating the reason.

System Action: The utility creates no definition for resource *object*. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5265 W ACTION REQUIRED TO FIND A SUITABLE TYPETERM FOR TERMINAL *termid*.

Explanation: While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System Action: The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User Response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5266 W SESSIONS *sessions* NOT DEFINED BECAUSE OF ERROR IN ASSOCIATED CONNECTION.

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System Action: The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User Response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5267 E *resource object* NOT MIGRATED. TARGET GROUP *grpname* IS LOCKED TO APPLID *applid* OPID *opid* AND CANNOT BE UPDATED AT PRESENT

Explanation: It is not possible to put the resource *resource* into group *groupname*, because the group is currently locked to APPLID *applid* and OPID *opid*. The group will be unlocked again when the other user's operation is complete.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Resubmit the job later, or choose a different name for the target group. If the group remains locked, consult with the user identified by APPLID and OPID. If the lock remains set for no apparent reason, issue the VERIFY command and resubmit.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5268 E *resource object* NOT MIGRATED. *grpname* ALREADY EXISTS AS A LIST.

Explanation: The name chosen for the target GROUP duplicates that of an existing LIST on the CSD.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Choose a different name for the target group and change the appropriate TYPE=GROUP macro in the FCT source.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5269 E *resource object* NOT MIGRATED. GROUP *grpname* IS IBM PROTECTED.

Explanation: An attempt was made to add a definition to an IBM supplied group (groups beginning with "DFH").

System Action: The utility creates no definition for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Change the input source to name a different target group whose name does not begin with "DFH".

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5270 I {*GROUP | LIST*} xxxxxxxx DELETED FROM THE CSD.

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5271 S UNABLE TO DELETE {*GROUP | LIST*} xxxxxxxx FROM THE CSD.

Explanation: During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System Action: The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5272 I *resource object* DELETED FROM GROUP.

Explanation: The CSD utility successfully deleted the named resource, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5273 W *resource object* IS NOT IS GROUP *grpname*.

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: The utility does not process the DELETE command.

User Response: Check that you have coded the group and resource names correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5274 W *resource object* NOT MIGRATED. GROUP *grpname* IS NOT AVAILABLE.

Explanation: During the migration of an FCT, the CSD utility could not define the resource *resource* because the target group *groupname* was not available. The utility has issued a previous message indicating the reason why.

System Action: The utility creates no definition for the resource named *object*. Normal utility processing continues.

User Response: Review the original message. If necessary recode the TYPE=GROUP macro in the FCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5275 S COMMAND NOT EXECUTED. GROUP *grpname* IS NOT THE MEMBER OF LIST *listname*.

Explanation: The REMOVE command being executed names a GROUP that is not a member of LIST *listname*.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5276 I GROUP *grpname* REMOVED FROM LIST *listname*.

Explanation: The REMOVE command has successfully removed group *grpname* from LIST *listname*.

System Action: Normal execution continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5277 I LIST *list* DELETED FROM CSD.

Explanation: The final group has been removed from list *listname*. The list has therefore been deleted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5280 I PROCESSING DEFINITIONS FROM LIBRARY MEMBER *xxxxxxx*.

Explanation: The CSD utility has successfully loaded data from the named library member.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5281 S DATA LOADED FROM LIBRARY MEMBER *xxxxxxx* IS INVALID.

Explanation: The CSD utility has found an error in data loaded from the named library member.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Obtain a dump containing the failing library member.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5282 E UNABLE TO GET STORAGE FOR LIBRARY MEMBER *xxxxxxx*.

Explanation: There is insufficient storage available to load the library member *xxxxxxx*.

System Action: The utility terminates processing of the command that required access to the named library member.

User Response: Allocate a larger region size in the utility JCL and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5283 S RDL SUBCOMMAND EXCEEDS 1024 BYTES: *xxxxxxx*.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The CSD utility terminates abnormally.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5284 E ERROR ANALYZING RDL SUBCOMMAND: *xxxxxxx*.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5285 E INVALID VERB IN RDL SUBCOMMAND: *xxxxxxx*.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5286 E UNABLE TO CREATE RESOURCE DEFINITION ON CSD FILE, RDL SUBCOMMAND: xxxxxxxx.

Explanation: This message is issued during the processing of the indicated (truncated) command for one of the following reasons:

1. The CSD is full (in which case, messages DFH5175 and DFH5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFH5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFH5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFH5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System Action: The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to:
 - a. Close any files previously opened internally.
 - b. Unload any extract exit routines that were dynamically loaded.
 - c. Invoke the termination exit routine (if supplied).
 - d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

User Response: The user response depends on the reason the message is issued, as follows.

1. See message DFH5175 and DFH5176.
2. See message DFH5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFH5165.
4. See message DFH5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5287 EXTRACT TERMINATED AT USER'S REQUEST RC=retcode.

Explanation: A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a non-zero value in register 15 on return from a user exit program. Subsequent messages will indicate any further problems encountered by the utility.

System Action: Execution of the utility command is terminated. This message is followed by DFH5104.

User Response: Determine the cause of the error detected by the user exit program using the return code *retcode* provided and the relevant documentation of the user exit program.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH55xx (DFHCSDUP) messages

DFH5501 E COMMAND NOT EXECUTED. keyword MUST BE SPECIFIED

Explanation: A keyword *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5502 W xxxxxxx IMPLIES yyyyyyy

Explanation: The value xxxxxxx specified in a DEFINE command has caused another value yyyyyyy, which is not a normal default, to be assumed.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.

If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5503 E COMMAND NOT EXECUTED. xxxxxxx OPTION CONFLICTS WITH yyyyyyy OPTION AND IS IGNORED.

Explanation: Two options, xxxxxxx and yyyyyyy, that are mutually exclusive have been specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5504 E COMMAND NOT EXECUTED. USE OF xxxxxxxx OPTION IMPLIES yyyyyyy OPTION

Explanation: Option xxxxxx requires another value, yyyyyyy.

System Action: The utility ignores the command.

User Response: Specify yyyyyyy.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5505 W PROGRAM DFHMSP REQUIRES A TWASIZE OF AT LEAST 512

Explanation: A DEFINE PROGRAM command for the message switching program, DFHMSP, has given it a TWASIZE of less than 512 bytes. If it is to be a definition for the CICS-supplied program of that name then it will not execute correctly.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5506 E COMMAND NOT EXECUTED. FOR xxxxxxxx MANY OPTIONS, INCLUDING yyyyyyy ARE MEANINGLESS

Explanation: A keyword or value has been specified that is not consistent with another.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5507 E COMMAND NOT EXECUTED. xxxxxxxx VALUE MUST BE GREATER THAN yyyyyyy VALUE.

Explanation: A value has been specified that is not consistent with another. xxxxxxxx must be greater than yyyyyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5509 E COMMAND NOT EXECUTED. xxxxxxxx NAME MUST NOT BE THE SAME AS yyyyyyy NAME

Explanation: Some values in DEFINE commands must not be the same as the name of the resource. xxxxxxxx must not have the same name as yyyyyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5510 W xxxxxxxx NAMES BEGINNING WITH yyyyyyy ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5511 W xxxxxxxx NAME yyyyyyy IS RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5512 W PROGRAM NAME BEGINS WITH 'DFH' BUT TRANSACTION NAME DOES NOT BEGIN WITH 'C'

Explanation: CICS supplies standard programs and transactions whose naming conventions you should avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5513 E COMMAND NOT EXECUTED. THE SECOND VALUE OF xxxxxxx MUST NOT BE GREATER THAN THE FIRST.

Explanation: Some keywords take pairs of values which are essentially maximum and minimum values.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5514 E COMMAND NOT EXECUTED. WITH SESSNAME THERE CAN ONLY BE ONE COUNT AND IT'S VALUE MUST BE 1.

Explanation: The use of SESSNAME in a DEFINE SESSIONS command means that a single-session, either for sending or receiving, is required.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5515 W AUTOPAGE(NO) HAS BEEN SPECIFIED FOR A 3270 PRINT DEVICE

Explanation: A DEFINE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5516 W THE VALUES OF DEVICE AND SESSIONTYPE ARE EQUIVALENT TO DEVICE(*devtype*) AND HAVE BEEN REPLACED

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.

This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by *devtype*.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. The Resource Definition Guide provides further information about device equivalents.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5517 E COMMAND NOT EXECUTED. xxxxxxx PFX AND COUNT TOGETHER MAKE MORE THAN 4 CHARACTERS.

Explanation: In a SESSIONS definition the RECEIVEPFX and SENDPFX values are used as prefixes for the names of as many sessions as are specified in the respective counts. These names cannot be more than 4 characters long.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5518 W XTRANIDS xxxxxxx ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5519 E COMMAND NOT EXECUTED. xxxxxxx VALUE CONTAINS AN INVALID y.

Explanation: All character values in DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System Action: The utility ignores the command.

User Response: Correct the command.

The Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5520 W THE VALUE OF DEVICE IS EQUIVALENT TO xxxxxxx AND HAS BEEN REPLACED

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

The Resource Definition Guide provides further information about these simpler equivalent devices.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5521 E COMMAND NOT EXECUTED. xxxxxxxx VALUE
yyyyyy IS INVALID.**

Explanation: A value yyyyyyy has been specified for keyword xxxxxxxx which is not valid. It may for instance be non-numeric.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5522 E COMMAND NOT EXECUTED. LENGTH OF xxxxxxxx
VALUE IS MORE THAN ALLOWED.**

Explanation: All character values in DEFINE commands are of limited length.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5523 E COMMAND NOT EXECUTED. FILE DFHCSD MUST
BE DEFINED IN THE SIT AND NOT THE CSD.**

Explanation: DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System Action: The utility ignores the command.

User Response: Correct the command. Define DFHCSD in the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5524 W BMS ROUTE FOR CONSOLE MAY CAUSE
UNPREDICTABLE RESULTS IF MAPS OR
TEXT(ACCUM) USED ON DEVICE.**

Explanation: The routing of multiline maps or accumulated text to the console is not supported.

System Action: Normal processing continues.

User Response: Ensure that the unsupported console operations are disabled.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5525 W xxxxxxxx VALUE IS NOT VALID, yyyyyyy HAS
BEEN ASSUMED**

Explanation: The value xxxxxxxx is not valid. The value yyyyyyy has been assumed.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5526 E xxxxxxxx MUST HAVE ROWS AND COLUMNS
SPECIFIED**

Explanation: xxxxxxxx must have rows and columns specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5527 E REMOTE OPTIONS ARE IGNORED FOR
PROGRAMS STARTING WITH DFH.**

Explanation: CICS supplies standard programs which are not allowed to have remote attributes.

System Action: The command is ignored.

User Response: Correct the command by deleting the remote attributes from the program definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5528 E COMMAND NOT EXECUTED. VALUE OF keyword IS
OUT OF VALID RANGE.**

Explanation: An invalid value has been supplied for the specified keyword.

System Action: The utility ignores the command.

User Response: Supply a valid keyword value and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5529 E keyword OR keyword MUST BE SPECIFIED.

Explanation: Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

System Action: The utility ignores the command.

User Response: Supply one of the indicated keywords and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5530 W XTRANIDS ENDING WITH *string* ARE RESERVED AND MAY BE REDEFINED BY CICS.

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5531 W XTRANIDS BEGINNING WITH *string* ARE RESERVED AND MAY BE REDEFINED BY CICS.

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5532 E COMMAND NOT EXECUTED. AN INVALID COMBINATION OF ROWS AND COLUMNS HAS BEEN SPECIFIED FOR ALTSscreen.

Explanation: One of the specified values is zero and the other is non-zero. This is an invalid combination.

System Action: The utility ignores the command.

User Response: Ensure that a valid combination of ALTSscreen rows and columns is specified. See the Resource Definition Guide for details of valid combinations.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5533 W SPECIFIED *keyword1* VALUE IS LESS THAN *keyword2* VALUE. THE DEFAULT VALUE HAS BEEN ASSUMED.

Explanation: A value has been specified for *keyword1* that is incompatible with the value for *keyword2*.

System Action: DFHCSDUP assumes the default value for *keyword1* and processes the command.

User Response: Ensure that the resulting resource definition is acceptable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5534 W WHEN YOU CHANGE THE VALUE OF DEVICE MANY OTHER VALUES MAY BE CHANGED FOR YOU.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. See the Resource Definition Guide for more guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5535 E COMMAND NOT EXECUTED. *restype* NAME *resname* IS RESERVED BY CICS.

Explanation: The user specified a resource name *resname* for resource type *restype* which is reserved for use by CICS.

System Action: The utility ignores the command.

User Response: Specify a different resource name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5536 W *keyword1* AND *keyword2* ATTRIBUTES ARE INCONSISTENT IF DEFINITION IS BEING SHARED WITH A BACK LEVEL RELEASE.

Explanation: *keyword1* has been preceded by *keyword2*. However, *keyword1* has been kept for compatibility reasons. After updating the definition, the value specified for *keyword1* has become inconsistent with the value specified for *keyword2*.

System Action: The definition is created or updated.

User Response: If sharing the CSD file with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5537 W PREFIX ALLOWED TO DEFAULT. USE OF DEFAULTS IS RECOMMENDED FOR MRO SESSIONS ONLY.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value '>' is supplied by CICS for send sessions and '<' for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use because duplicate names may occur if large numbers of sessions are defined.

System Action: CICS will generate session names using these prefixes.

User Response: If this is an LU6.1 session it is recommended that a different prefix should be chosen.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5538 W *resource* **NAMES STARTING WITH x MAY CONFLICT WITH SYSTEM SESSIONS NAMES.**

Explanation: The resource *resource* has been given a name starting with the character *x* which might be used for system generated SESSIONS names.

System Action: The definition is created or updated.

User Response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH56xx (DFHCSDUP) messages

DFH5600 E UNABLE TO GET STORAGE FOR MODULE DFHCICS. PRIMARY CSD HAS NOT BEEN INITIALIZED.

Explanation: There is insufficient storage to load module DFHCICS.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that there is sufficient storage to load the DFHCICS module.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5601 E UNABLE TO LOAD THE {FCT | RDT | LD} TABLE NAMED *table*.

Explanation: Table *table* cannot be loaded.

System Action: The system action depends on the type of table.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT

The CSD utility cannot load the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5602 E UNABLE TO UNLOAD THE {FCT | RDT | LD} TABLE NAMED *table*.

Explanation: Table *table* cannot be unloaded.

System Action: The system action depends on the type of table.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT

The CSD utility cannot unload the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5603 E UNABLE TO LOCATE THE {FCT | RDT | LD} TABLE NAMED *table*.

Explanation: Table *table* cannot be located.

System Action: The system action depends on the type of table specified.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT

The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5605 E DISALLOWED CHARACTER IN GROUP OR LIST NAME *object*.

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5606 S COMMAND IS NOT EXECUTED. UNABLE TO LOAD THE SERVICE MODULE *progrname*.

Explanation: The service module, *progrname*, cannot be loaded due to insufficient storage.

System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the utility command with an increased region size.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5607 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING THE FIRST SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5608 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING A SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5609 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE WRITING A PRIMARY CSD RECORD.

Explanation: An I/O error has occurred on the primary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5611 E COMMAND NOT EXECUTED. *parameter* PARAMETER MUST BEGIN WITH 'DFH'.

Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit the MIGRATE command with a valid table name or group name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5612 I *resource object* IN GROUP *grpname* IS UNCHANGED.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5613 E UNABLE TO LOCATE THE LIBRARY MEMBER *member*.

Explanation: The member is not in the libraries named in the JCL.

System Action: The utility terminates processing of the command that required access to library member *member*.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5614 E UNABLE TO LOAD THE LIBRARY MEMBER
member.**

Explanation: DFHCSDUP could not load library member *member*.

System Action: The utility terminates processing of the command that required access to the library member.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5617 S COMMAND IS TERMINATED. AN UNRECOGNIZED
TYPE OF RECORD WAS ENCOUNTERED WHILE
SECONDARY CSD WAS BEING READ.**

Explanation: The record-type field of an input CSD record is invalid.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5618 I AN ATTENTION INTERRUPT WAS REQUESTED
DURING DFHCSDUP EXECUTION.**

Explanation: An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System Action: Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the Customization Guide for more information about put-message exits.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5619 W AN INVALID VALUE OF THE PAGESIZE
PARAMETER HAS BEEN SPECIFIED. THE DEFAULT
VALUE OF 60 LINES PER PAGE WILL BE USED.**

Explanation: A value of the PAGESIZE parameter outside the allowed range (4–9999) has been specified.

System Action: The default value of 60 lines per page is taken.

User Response: Ensure that a valid PAGESIZE value is specified in future.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5620 E AN ILLEGAL RETURN CODE (RC= *ret-code*) HAS
BEEN RETURNED FROM THE {INITIALIZATION |
GET-COMMAND | TERMINATION} EXIT.**

Explanation: The specified user-exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated. The exit is not disabled.

User Response: Investigate the specified exit routine for the cause of the illegal return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5621 E A NON-ZERO RETURN CODE HAS BEEN
RETURNED FROM THE PUT-MESSAGE EXIT.**

Explanation: The put-message exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated and the put-message exit is disabled.

User Response: Investigate the put-message exit routine for the cause of the illegal return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

**DFH5622 S THE SECONDARY CSD HAS BEEN CLOSED
DURING CLEAN-UP PROCESSING FOLLOWING
THE INTERCEPTION OF AN ABEND.**

Explanation: An Abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post ABEND clean up processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5623 S THE PRIMARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post ABEND clean up processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5624 S THE EXTRACT EXIT PROGRAM HAS BEEN UNLOADED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-abend clean-up processing.

System Action: The EXTRACT command is terminated.

User Response: Refer to prior messages for further information regarding the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

+ **DFH5625 THE USER PROGRAM HAS PASSED AN INVALID DDNAME PARAMETER FOR *ddname* TO DFHCSDUP.**

+ **Explanation:** The user program has passed an invalid DDNAME as a parameter for either DFHCSD, SYSIN, or SYSPRINT. The alternative DDNAME is invalid because it begins with a blank.

+ **System Action:** The default DDNAME is used instead.

+ **User Response:** Correct the invalid DDNAME parameter.

+ **Destination:** Console

+ **Module:** DFHCSDUP

DFH57xx emergency restart backout messages

DFH5721 DL/I DATA ON DFHRSD, BUT NO DL/I SUPPORT ON THE SYSTEM. REPLY 'GO' OR 'CANCEL'

Explanation: DL/I backout data exists on the restart data set DFHRSD, but DL/I support has not been included in this execution of CICS. (The system initialization table (SIT) or override specified DLI=NO.)

System Action: The system waits for the operator to reply. If the reply is 'GO', all DL/I data on the restart data set is ignored. If the reply is 'CANCEL', CICS terminates abnormally with a dump and MVS user abend 0147.

User Response: Reply 'GO' or 'CANCEL'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDLBP

DFH5722 BACKOUT DATA PRESENT FOR FOLLOWING *xxxx(S)*, BUT THEY COULD NOT BE SCHEDULED: *list* REPLY 'GO' OR 'CANCEL'

Explanation: DL/I backout data exists on the restart data set for the listed program specification blocks (PSBs) or data management blocks (DMBs), but the control blocks in question cannot be scheduled.

System Action: The system waits for the operator to reply. If the reply is 'GO', all the data on the restart data set for the PSBs in question (or for the PSBs that reference the DMBs in question) is ignored. If the reply is 'CANCEL', CICS terminates abnormally with a dump and MVS user abend 0148.

User Response: Reply 'GO' or 'CANCEL'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDLBP

DFH5723 UNABLE TO BACKOUT DATA FOR PSB *filename* BACKOUT TERMINATED. REPLY 'GO' OR 'CANCEL'

Explanation: An error occurred when attempting to backout data for the specified program specification block (PSB) *filename*. The DL/I error exit, if any, was given control and it decided that the operator should be given the opportunity to cancel the startup.

System Action: The system waits for the operator to reply. If the reply is 'GO', backout continues with the next backout record. If the reply is 'CANCEL', CICS terminates abnormally with a dump and MVS user abend 0149.

User Response: Reply 'GO' or 'CANCEL'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDLBP

DFH5754 BACKOUT DATA PRESENT FOR FOLLOWING PSB(S) BUT NO DDIR ENTRY EXISTS. *psblst*. REPLY 'GO' OR 'CANCEL'

Explanation: During emergency restart, CICS has found backout records that require PSBs (DL/I program specification blocks) that have no entries in the PDIR (PSB directory list). The most likely reason for this error is that you are inadvertently using a different PDIR from the one that was in use during the previous CICS run that terminated abnormally.

System Action: If you reply 'GO', CICS ignores the records for undefined PSBs, and continues restart. If you reply 'CANCEL', CICS terminates abnormally with a system dump. The MVS user abend is 0152.

User Response: The safest response is 'CANCEL'. Before you restart CICS, either correct the PDIR, or specify the correct suffix in the SIT option or override, PDIR.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDLBP

DFH7xxx (DFHEXP) command-level translator diagnostic messages

Diagnostic messages may be issued by the command-level translator (DFHEAP for assembler language, DFHECP for COBOL, DFHEDP for C, and DFHEPP for PL/I) in the course of processing programs written in assembler language, COBOL, C, or PL/I. Assembler-language messages are inserted as macro notes (MNOTES) in the translator output file and can be seen by either printing or assembling the translator output file. COBOL, C, and PL/I messages are delivered to SYSPRINT. The same diagnostics are issued by the command-level interpreter, by the master terminal transaction (CEMT), and by CEDA.

A diagnostic message can have three components: a message number, a severity code, and message text. Each message is of the form DFH7nnn*l c line text* where

- *nnn* is a number,
- *l* is the information message identifier,
- *c* is the severity code
- *line* is the line number of the error and
- *text* is the text of the message.

In assembler language, COBOL, C, and PL/I, diagnostic messages can be allocated a severity code. This severity code is represented by a letter that, if present, will appear in the message immediately following the message number and preceding the message text. There are five levels of severity. Those for assembler language and PL/I are different from those for COBOL. The meanings of the codes and the associated return codes for the languages are as follows:

Assembler, C or PL/I	Return code	COBOL
U = Unrecoverable	16	D = Disaster
S = Severe	12	E = Error
E = Error	8	C = Conditional
W = Warning	4	W = Warning
I = Information	0	I = Information

The message text consists of the message itself, which may or may not include inserts. The inserts are positions within the message text where, in the actual message, specific information is given on the reasons for the diagnostic message. Not all the diagnostic messages, however, require inserts. Messages issued by the command-level translator are usually self-explanatory, and DFH7000 is an **example** of this type of message.

DFH7000 LISTING FILE CANNOT BE OPENED

Explanation: The listing data set was not opened.

System Action: The command-level translator is abnormally terminated. A dump is produced if a SYSABEND or SYSUDUMP DD statement has been provided.

User Response: Ensure the JCL is correct, or determine what is causing the error and preventing opening.

Destination: Console

Module(s): DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

DFHACxxxx (DFHACP) messages

DFHAC2001 *date time applid* Transaction '*tranid*' is unrecognized.
Check that the transaction name is correct.

Explanation: Either transaction *tranid* does not exist as an installed transaction definition, or it is disabled.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Processing continues.

User Response: Enter a valid transaction identifier.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2002 *date time applid* To use this transaction *tranid* you must sign on or have the right security level.

Explanation: You are signed on using the default *userid* but this *userid* does not have access to the requested transaction.

System Action: CICS does not initialize the invoked transaction. Other processing continues and message DFHAC2003 is sent to destination CSMT.

User Response: Sign on with an authorized *userid*.

Destination: Terminal End User

Module: DFHACP

DFHAC2003 *date time applid* Security violation has been detected
term id = termid, trans id = tranid, userid = userid.

Explanation: The operator with user ID *userid* has invoked a transaction *tranid* at terminal *termid* for which the operator is not authorized.

System Action: CICS does not initialize the invoked transaction. Other CICS processing continues and either message DFHAC2002 or DFHAC2033 is sent to the terminal operator.

User Response: Refer to the *userid* in the preceding message, DFHXS1111 on the CICS log, to determine the identity of the person trying to invoke transaction *tranid* and the reason for the attempt.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, termid, tranid, userid*

+

APAR PN82224

+ **DFHAC2004** *time applid* Transaction *tranid* has failed with abend
+ **AKCC. Resource backout was successful.**

+ **Explanation:** Transaction *tranid* is abnormally terminated with
+ abend AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction.

Destination: Terminal End User

Module: DFHACP

DFHAC2005 *time applid* Transaction *tranid* has failed with abend *abcode*.

Explanation: Transaction *tranid* has been defined with INDOUBT(WAIT) or INDOUBT(COMMIT) and has been in communication with a partner APPC system. A session failure has occurred while the session was INDOUBT during an explicit or implicit syncpoint. An immediate resync was attempted but could not be completed.

System Action: The task is abnormally terminated with a transaction dump. Unless overridden, APPC resynchronization is retried when the remote system is available.

User Response: For more information, see the abend code *abcode*. If necessary, resubmit the transaction after the cause of the abend has been removed.

Destination: Terminal End User

Module: DFHACP

DFHAC2006 *date time applid* Transaction *tranid* program *program name* abend *primary abcode* at *termid*.

Explanation: The system was unable to execute transaction *tranid*. *termid* identifies the terminal which initiated transaction *tranid*. If there is no associated terminal, *termid* appears as "?????". Program *programe* is the highest level program and is taken from the installed program definition. *abcode* is the CICS abend code.

System Action: The task is abnormally terminated with a dump.

User Response: Refer to abend code *abcode* for further information and guidance on how to solve the problem. If the code is not available, it is a user code generated by an EXEC CICS ABEND ABCODE(*abcode*) command. This command has been issued by a user program or by an IBM program (for example, a programming language library module).

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, program name, primary abcode, termid*

DFHAC2007 *date time applid* Transaction *tranid* cannot run as CICS shutdown is in progress.

Explanation: Transaction *tranid* cannot be run during system quiesce.

System Action: The system is in quiesce mode.

Note that destination CSMT is used for non-terminal transactions only.

User Response: Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2008 *date time applid* Transaction *tranid* has been disabled and cannot be used.

Explanation: Terminal *tranid* has been disabled.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Notify the programmer responsible for this area that transaction *tranid* has been disabled.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2009 *date time applid* Invalid non-terminal transaction *tranid*.

Explanation: Transaction *tranid* has been entered. No terminal is associated with this transaction. It may be that transaction *tranid* is a disabled transaction, or is one that cannot be run during system quiesce. Alternatively, an invalid transaction identifier may have been entered.

System Action: Other processing continues.

User Response: Determine and correct the reason for transaction *tranid*'s invalidity.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2010 *time applid* Transaction *tranid* is not executable on terminal *termid*.

Explanation: A conflict has been detected between the options specified for transaction *tranid*'s definition and those specified on terminal *termid*'s DFHTCT table entry. For example, transaction *tranid* is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System Action: The input is ignored.

User Response: If transaction *tranid* is to be entered from terminal *termid*, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Destination: Terminal End User

Module: DFHACP

DFHAC2012 *date time applid* Remote transaction *tranid* cannot be run on the local system.

Explanation: Transaction *tranid* is specified as remote. An attempt to route the transaction to a remote system failed either because there is no MRO/ISC defined in the running CICS system, or because the remote system name specified in the definition of the transaction is the same as that of the local system.

Note that destination CSMT is used for nonterminal transactions only.

System Action: The task is abnormally terminated.

User Response: Ensure that:

- MRO/ISC support is correctly defined
- The remote transaction definition is correct.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2014 *date time applid* **Transaction *tranid* is not executable because system *sysid* is not available.**

Explanation: Transaction *tranid* is specified as remote. An attempt to route the transaction to a remote system failed because the link is out of service.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until the link is available.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, sysid*

DFHAC2015 *date time applid* **This console has not been defined to CICS. Input is ignored.**

Explanation: The operator has attempted to use a console that has not been defined to CICS.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Input from this console is ignored.

User Response: Notify the system programmer, who should check the TCT for the correct specification of consoles in the system.

#

APAR PQ09812

The MVS operator command DISPLAY CONSOLES,CN=xx can be used to obtain the name and id of the console displayed in the message. The system programmer may also consider using 'pooled' consoles by defining TERMINAL definitions with a CONSNAM of DFHCONxx, or increasing the number of pooled consoles.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid*

DFHAC2016 *date time applid* **Transaction *tranid* cannot run because program *program name* is not available.**

Explanation: Transaction *tranid* is not executable because the initial program for transaction *tranid* is not available. Possible reasons for this are:

1. The program is missing.
2. The installed program definition is missing.
3. The program is disabled.
4. The program name in the installed transaction definition is invalid.
5. The installed transaction has been defined as remote and therefore has no program name, but the name of the remote system is the same as that of the local system.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Determine the cause of the error using the list given in the **Explanation**. The response depends on the reason as follows:

1. Load the program into the CICS program library.

2. Create an installed program definition for the program.
3. Enable the program.
4. Use a valid program name in the installed transaction definition.
5. Carry out whichever of the following is appropriate:
 - Use a local version of this transaction.
 - Use the correct remote version of this transaction.
 - Logon to the correct system and retry the transaction.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHAC2017 *date time applid* **Transaction *tranid* cannot run because terminal profile *profname* for the transaction is not available.**

Explanation: Transaction *tranid* is not executable because the terminal profile for the transaction is not available. This is because it has not been defined, or it has not been installed.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Notify the system programmer or system administrator.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, profname*

DFHAC2018 *date time applid* **An unrecognized Process Initialization Parameter (PIP) has been received in ATTACH for transaction *tranid*.**

Explanation: CICS has received an LU type 6.2 attach header with invalid process initialization parameters (PIPs).

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS rejects the attach request.

User Response: Inspect the received PIP data and its associated generalized data stream (GDS) header to determine why the parameters are invalid.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2019 *date time applid* **Transaction *tranid* does not support unmapped conversations.**

Explanation: Transaction *tranid* received an attach request that required the use of the generalized data stream (GDS) to access unmapped conversations, but transaction *tranid* does not support the use of the GDS interface.

System Action: CICS rejects the attach request.

Note that destination CSMT is used for non-terminal transactions only.

User Response: Inspect the subsystem that sent the attach header to see if the correct transaction was requested. If the request was correct, check the CICS transaction definition.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2020 *time applid* The conversation type requested by node *netname* was not recognized.

Explanation: CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

DFHAC2021 *time applid* An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node *netname*.

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

APAR PQ17887

Corrections to message DFHAC2022

DFHAC2022 *date time applid* Transaction *tranid* has initiated an incorrect sync point level request.

Explanation: The requested Synclevel does not match the synclevel negotiated in the Bind request, or Synclevel 2 was requested, but Lognames were not exchanged.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine that the correct transaction was requested. If it was, the CICS transaction definition should be checked.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2023 *time applid* An invalid sync point level has been requested by node *netname*.

Explanation: The synchronization level requested in the attach header is invalid for the session being used.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the synchronization level in the attach header and the bind should be compared.

Destination: Terminal End User

Module: DFHACP

DFHAC2024 *date time applid* A request from node *netname* has invalid security parameters.

Explanation: The received attach header did not match the required security parameters specified in the bind.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the ACC requirements in the attach header and the bind should be compared.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2025 *time applid* An invalid Unit of Work Identification (UOWID) has been supplied by node *netname*.

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Destination: Terminal End User

Module: DFHACP

DFHAC2026 *time applid* An invalid Function Management Header (FMH) has been supplied by node *netname*.

Explanation: The length field in the attach header was invalid.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

DFHAC2027 *date time applid* Transaction *tranid* does not support conversation restart.

Explanation: CICS will not accept LU type 6.2 attach headers with restart requested.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2028 *date time applid* Transaction *tranid* cannot be used and has been ignored.

Explanation: The transaction code CSAC or CESC, was entered from a terminal. This is not allowed.

System Action: If the transaction is CSAC, the transaction is run with no effect. If the transaction is CESC, the transaction is abnormally terminated with abend code ATOA.

User Response: Ensure that these transactions are not entered from a terminal.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2029 *date time applid* Transaction *tranid* is not executable. The system specified by the dynamic routing program is unavailable.

Explanation: Transaction *tranid* is specified as remote AND dynamic. An attempt to dynamically route transaction *tranid* to the remote system specified by the dynamic routing program has failed because the link is out of service.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until the link becomes available, then try to dynamically route the transaction again.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2030 *date time applid* All sessions are busy. Please try again.

Explanation: Transaction *tranid* is specified as remote AND dynamic. An attempt to dynamically route transaction *tranid* to the remote system specified by the dynamic routing program has failed because no sessions are immediately available.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until a session becomes available, then try to dynamically route the transaction again.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid*

DFHAC2033 *time applid* You are not authorized to use transaction *tranid*. Check that the transaction name is correct.

Explanation: Either an operator has attempted to execute transaction *tranid* while not authorized, or another transaction attempted to start transaction *tranid*, which was not authorized for this terminal.

System Action: Other processing continues. Message DFHAC2003 is sent to CSMT.

User Response: Either determine why the operator was trying to execute transaction *tranid* or enter an authorized transaction identifier.

Destination: Terminal End User

Module: DFHACP

DFHAC2034 *time applid* CICS Logic Error. An invalid error code has been passed to DFHACP. Transaction: *tranid* Terminal: *termid*.

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction *tranid* is terminated with a transaction dump. The dump code is AACA. Message DFHAC2035 is sent to the CSMT.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Terminal End User

Module: DFHACP

DFHAC2035 *date time applid* An invalid error code has been passed to DFHACP. Transaction *tranid* is terminated. Terminal *termid*.

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction *tranid* is terminated with a transaction dump. A transaction dump is taken. The dump code is AACA. Message DFHAC2034 is sent to the terminal user.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid*

+

APAR PN82224

+ **DFHAC2036** *date time applid* Transaction *tranid* has failed with abend AKCC. Resource backout was successful.

+ **Explanation:** Transaction *tranid* has abended with abend code AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction later.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2037 *date time applid* Transaction *tranid* is not executable on terminal *termid*.

Explanation: A conflict has been detected between the options specified for transaction *tranid's* definition and those specified on terminal *termid's* DFHTCT table entry. For example, transaction *tranid* is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System Action: The input is ignored.

User Response: If transaction *tranid* is to be entered from terminal *termid*, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid*

DFHAC2038 *date time applid* **The conversation type requested by node *netname* was not recognized.**

Explanation: CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2039 *date time applid* **An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node *netname*.**

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2040 *date time applid* **An invalid sync point level has been requested by node *netname*.**

Explanation: The synchronization level requested in the attach header is invalid for the session being used.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem. Compare the value of the synchronization level in the attach header and the bind.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2041 *date time applid* **An invalid Unit of Work Identification (UOWID) has been supplied by node *netname*.**

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2042 *date time applid* **An invalid Function Management Header (FMH) has been supplied by node *netname*.**

Explanation: The length field in the attach header was invalid.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2043 *date time applid* **Transaction has been rejected - CICS system is being recovered. Please wait for completion of recovery.**

Explanation: A request to initiate a transaction was received while the CICS system was in the process of recovering the session following an XRF takeover or persistent sessions restart. The error is detected by DFHZSUP, which then drives DFHACP to issue this message.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Depending upon the recovery notification requested for this terminal, the system will send either the recovery message or initiate the recovery transaction specified on the RECOVNOTIFY option of the typeterm definition for this terminal (see the *CICS/ESA Resource Definition Guide* for details).

User Response: After the recovery notification has been received, the user is able to continue operations.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid*

DFHAC2044 *date time applid* **An error occurred while trying to send SYNCPOINT ROLLBACK to terminal *termid*.**

Explanation: An attempt was made to send a SYNCPOINT ROLLBACK request. A nonzero return code was received by the sender of the request.

System Action: ABORT processing is initiated for terminal *termid*.

User Response: Notify the system programmer. Use trace to find the value of the return code from the SYNCPOINT ROLLBACK request. For IRC, the meaning of the return code can be found in the *CICS/ESA Data Areas*.

Destination: CSMT

Module: DFHZIS1

DFHAC2047

XMEOUT Parameters: *date, time, applid, termid*

DFHAC2047 *date time applid* While performing an attach for node *netname* a security violation was detected.

Explanation: A request to attach a remote transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user in the remote system, but the signon call failed.

System Action: The attach request is rejected.

User Response:

#

- # Refer to previous security messages which are written to TDQ
- # CSCS such as DFHSN1604 for further information and guidance.
- # If no previous messages were issued, examine the trace to determine the reason for the signon failure. Check that if the userid, password or profile are passed on the Attach FMH5, then they are valid.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2050 *time applid* An invalid function management header (FMH) has been supplied by node *netname*.

Explanation: The access security information length field in the attach header is invalid.

System Action: An exception trace entry containing the invalid FMH5 is issued. The attach request is rejected.

User Response: Notify the system programmer. Check the validity of the attach function management header and identify the cause of the error.

Destination: Terminal End User

Module: DFHACP

DFHAC2051 *date time applid* An invalid Function Management Header (FMH) has been supplied by node *netname*.

Explanation: The Access Security Information length field in the attach header was invalid.

System Action: An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2052 *time applid* While performing an attach for node *netname* a security violation was detected.

Explanation: A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System Action: An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User Response: Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Destination: Terminal End User

Module: DFHACP

DFHAC2053 *date time applid* While performing an attach for node *netname* a security violation was detected.

Explanation: A password was required in the attach FMH5, but was missing. A user ID was found, however, since the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System Action: An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User Response: Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2054 *time applid* You are not authorized to access this system.

Explanation: The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

System Action: The attach request is rejected by the remote system and the session is unbound. The remote system issues messages DFHAC2055 on CSMT and DFHAC4946 on CSNE.

User Response: Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2055 on CSMT and DFHAC4946 on CSNE issued by the remote system for more diagnostic information.

Destination: Terminal End User

Module: DFHACP

DFHAC2055 *date time applid* An attach request from node *netname* has sent BIND/FMH5 security data that is invalid.

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5). Message DFHAC4946 on CSNE contains sense information to help identify the reason for the failure.

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2056 *time applid* You are not authorized to access this system.

Explanation: The attach header that was sent to the remote system did not conform to the APPC protocol.

System Action: The attach request is rejected by the remote system and the session is unbound. The remote system will produce messages DFHAC2057 on CSMT and DFHZA4947 on CSNE.

User Response: Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2057 on CSMT and DFHZA4947 on CSNE issued by the remote system for more diagnostic information.

Destination: Terminal End User

Module: DFHACP

DFHAC2057 *date time applid* While performing an attach for node *netname* a security violation was detected.

Explanation: A request to attach a task has been received across an APPC link. However, the FMH attach parameters do not conform to the APPC protocol.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZA4947 is issued.

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZA4947 on CSNE which contains sense information to help identify the reason for the failure.

- + If the remote system has an earlier release of CICS or CICS on another platform, you may need to set USEDFTUSER. See 'Attach Time Security and the USEDFTUSER option' in the CICS/ESA CICS-RACF Security Guide.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2206 *time applid* Transaction *tranid* has failed with abend *abcode*. Resource backout was successful. *condmsg*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. All recoverable resources have been successfully backed out following the abnormal termination.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(*abcode*) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

If possible, a conditional message *condmsg* from the terminating system will be appended to this message.

System Action: Message DFHAC2236 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response:

Use the abend code, *abcode*, to diagnose the problem. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Resubmit the transaction after the cause of the original abend has been removed.

Destination: Terminal End User

Module: DFHACP

DFHAC2207 *time applid* Transaction *tranid* has failed with abend *abcode*. Resource backout was incomplete. *condmsg*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. Some changes to recoverable resources could not be backed out. Other message(s) sent to the master terminal operator identify the failure(s) more precisely.

If possible, a conditional message *condmsg* from the terminating system is appended to this message.

System Action: Message DFHAC2237 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Examine the CSMT messages for more information. If necessary, disable the affected resources until they can be recovered offline.

Destination: Terminal End User

Module: DFHACP

DFHAC2208 *time applid* Transaction *tranid* has failed with abend *abcode1*. Resource backout has also failed with abend *abcode2*. *condmsg*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode1*.

An unrecoverable error occurred during backout of the resources changed by the transaction. This resulted in the backout failing with abend code *abcode2*.

If possible, a conditional message *condmsg* from the terminating system is appended to this message.

System Action: Message DFHAC2238 is sent to the master terminal operator (destination CSMT). Abend processing continues as if dynamic transaction backout had not been specified.

User Response: If necessary, disable the affected resources until they can be recovered offline.

Destination: Terminal End User

Module: DFHACP

DFHAC2230 *date time applid* Transaction *tranid* terminal *termid* not executed due to I/O error at session startup. *message*

Explanation: Transaction *tranid* could not be executed because an I/O error occurred in the start up program on terminal *termid*.

System Action: Transaction *tranid* is not executed.

User Response: Correct the cause of the I/O error, which is probably due to the terminal not being powered on.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid, message*

+ DFHAC2236 *date time applid Transaction tranid abend secondary
+ abcode in program program name term termid
backout successful{ batchid = }batchid.message*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode* in program *programe*. The recoverable resources have been successfully backed out following the abend.

BATCHID=*batchid* is added when *tranid* is a shared database mirror transaction.

In the case of shared databases, a mirror transaction has terminated abnormally. The message describes what has happened to any DL/I updates performed by batch program *batchid* (following the specified checkpoint, if any).

Terminal *termid* represents the connection between the batch region and CICS rather than a real terminal.

The batchid value provided is **a** followed by **b**, where:

- a** is the *jobname.stepname.procname*. This is true unless a CHKP call has been issued by the batch program, in which case **a** is the checkpoint identifier.
- b** is the time (hh.mm.ss) at the start of the job or the latest checkpoint.

In the case of an MRO or an ISC APPC (parallel sessions), transaction *tranid* has terminated abnormally with abend *abcode* in program *programe*.

termid is a terminal identifier (transaction routing) or a session identifier.

The display ends with the termination message issued by the linked CICS system.

System Action: If possible, message DFHAC2206 is sent to the terminal user. Normal abend processing continues.

User Response: See the description of the abend code *abcode* for guidance. If *abcode* is not a CICS abend, it is a user code, in which case consult the programmer responsible for this area.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, secondary abcode, program name, termid, {1=batchid = }, batchid, message*

+ DFHAC2237 *date time applid Transaction tranid abend secondary
+ abcode in program program name term termid
backout failed {batchid = }batchid.message*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. Some changes to recoverable resources could not be backed out due to errors. Other messages sent to the master terminal operator (destination CSMT) identify the failure more precisely.

BATCHID=*batchid* is added to the message only when the transaction is a shared database agent (mirror) transaction. In this case, a shared database agent (mirror) transaction has terminated abnormally and the message describes what has happened to any DL/I updates performed by the specified batch program. This action follows the specified checkpoint, if applicable.

Terminal *termid* represents the connection between the region and CICS rather than a real terminal.

The *batchid* value provided is *x* followed by *t*, where *x* is the *jobname.stepname.procname*. This is true unless a CHKP call has been issued by the batch program, in which case *x* is the checkpoint identifier.

t is the time (hh:mm:ss) at the start of the job or the latest checkpoint.

System Action: If possible, message DFHAC2207 is sent to the terminal user. Normal abend processing continues.

User Response: Examine the CSMT messages for more information. If necessary, disable the affected resources until they can be recovered offline.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, secondary abcode, program name, termid, {1=batchid = }, batchid, message*

DFHAC2238 *date time applid Transaction tranid abend primary
abcode in program program name term termid
backout abended secondary abcode{batchid =
}batchid.message*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode1*. An unrecoverable error occurred during the backout of the resources changed by the transaction. This resulted in the backout itself failing with abend code *abcode2*.

BATCHID=*batchid* is added to the message only when the transaction is a shared database agent (mirror) transaction. In this case, a shared database agent (mirror) transaction has terminated abnormally and the message describes what has happened to any DL/I updates done by the specified batch program. This action follows the specified checkpoint, if one is applicable.

Terminal *termid* represents the connection between the region and CICS rather than a real terminal.

The *batchid* value provided is *x* followed by *t*, where:

- x** is the *jobname.stepname.procname*. This is true unless a CHKP is issued by the batch program, in which case *x* is the checkpoint identifier.
- t** is the time (hh:mm:ss) at the start of the job or the latest checkpoint.

System Action: If possible, message DFHAC2208 is sent to the terminal user. Abend processing continues as if dynamic transaction backout had not been specified.

User Response: If necessary, disable the affected resources until they can be recovered offline.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, primary abcode, program name, termid, secondary abcode, {1=batchid = }, batchid, message*

DFHAC2259 *date time applid Transaction tranid abend primary
abcode in program program name term termid
DFHPEP not linked.*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. An error occurred in attempting to link to the user-written program error program (DFHPEP). The error prevented DFHPEP from being given control.

If CICS terminates abnormally because of a program control restart failure, this message can appear during shutdown.

System Action: Depending on the reason for the failure, CICS may abnormally terminate or continue.

User Response: The transaction abend code, *abcode*, gives the reason for the original transaction failure.

Determine why DFHPEP could not be invoked. It may be disabled.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, primary abcode, program name, termid*

DFHAC2260 *date time applid* **Transaction *tranid* disabled by DFHPEP.**

Explanation: Transaction *tranid*, which has abnormally terminated, has been disabled. This is either as a result of user code in DFHPEP, or because the transaction has abended with abend ASRD and DISMACP=YES has been specified (or allowed to default) in the startup parameters. No further use can be made of transaction *tranid*.

System Action: Processing continues.

User Response: Correct the cause of the abnormal termination and enable the transaction.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2261 *System sysid* **System *sysid* sent message (sense code cccccccc). 'tacbmsg'.**

Explanation: A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system *sysid*. The message *tacbmsg* is supplied from the remote system.

System Action: Processing continues.

User Response: Correct the reason for the abnormal termination in the remote system and run the transaction again.

Destination: Terminal End User

Module: DFHACP

DFHAC2262 *date time applid* **System *sysid* sent message (sense code cccccccc). *tacbmsg***

Explanation: A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system *sysid*. The message *tacbmsg* is supplied from the remote system.

System Action: Processing continues.

User Response: Correct the reason for the abnormal termination in the remote system and run the transaction again.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, sysid, cccccccc, tacbmsg*

DFHAC2263 *date time applid* **Transaction *tranid* abend *primary abcode* in program *program name* term *termid* DFHPEP has abnormally terminated.**

Explanation: Transaction *tranid* has abended and the abnormal completion program (DFHACP) has linked to the user-written error program (DFHPEP). The error program has also abended.

System Action: Processing continues.

User Response: The transaction abend code *abcode* gives the reason for the original transaction failure. Correct the cause of the abnormal termination in the error program and run the transaction again.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, primary abcode, program name, termid*

DFHAC2603 *Syst.sense sysysense,termid,taskid*, **No authorization**

Explanation: An operator has attempted to execute a transaction for which the operator was not authorized. Alternatively, the operator's authorization was set to the capability of the default user and the requested transaction has a security value greater than 1.

System Action: Other processing continues.

User Response: Either sign on or confirm authority to enter this transaction as appropriate. See messages DFHAC2002 and DFHAC2003 for further information.

Destination: Terminal End User

Module: DFHACP

DFHAC2605 *Syst.sense sysysense,termid,taskid*, **Insufficient resource**

Explanation: The system was unable to execute the transaction at this time.

System Action: The transaction is purged.

User Response: Resubmit the transaction later.

Destination: Terminal End User

Module: DFHACP

DFHAC2606 *Syst.sense sysysense,termid,taskid*, **Function not executable**

Explanation: Either the transaction was not valid during system quiesce, or the transaction has been disabled.

System Action: The system action is error specific. For an invalid transaction during system quiesce, refer to the **System Action** of message DFHAC2007.

For a transaction that has been disabled, refer to the **System Action** of message DFHAC2008.

User Response: The user response is error specific.

For an invalid transaction during system quiesce, refer to the **User Response** of message DFHAC2007. For a transaction that has been disabled, refer to the **User Response** of message DFHAC2008.

Destination: Terminal End User

Module: DFHACP

DFHAIxxxx messages

DFHAI0101I *applid* **AITM initialization has started.**

Explanation: This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has begun.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0102I *applid* AITM initialization has ended.

Explanation: This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has completed.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0103I *applid* AITM initialization has failed.

Explanation: Autoinstall terminal model manager (AITM) initialization has failed.

System Action: Message DFHSI1521 is issued and initialization is terminated. A further error message from another domain may also be issued.

User Response: This error is identified by a trace entry. Refer to DFHSI1521, and any other error message issued, for further guidance.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0201I *date time applid* Terminal Model *modelname* has been re-installed.

Explanation: This is an audit log message indicating that a record of the dynamic replacement of auto-install terminal model *modelname* has been made in the transient data destination.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAI0202I *date time applid* Terminal Model *modelname* has been installed.

Explanation: This is an audit log message indicating that a record of the dynamic addition of auto-install terminal model *modelname* has been made in the transient data destination.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAI0203I *date time applid* Terminal Model *modelname* has been discarded.

Explanation: This is an audit log message indicating that a record of the dynamic deletion of auto-install terminal model *modelname* has been made in the transient data destination using the DISCARD command.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAKxxxx messages**DFHAK3106** *applid* Error during keypointing of volume descriptor table

Explanation: The activity keypoint program was unable to take an activity keypoint of the volume descriptor table.

System Action: CICS abends with MVS user abend code 3106.

User Response: Check for a valid DFHJCT when using standard-labeled tapes.

Destination: Console

Module: DFHAKP

XMEOUT Parameter: *applid*

DFHAK5801 *date time applid* Activity keypoint number *nnn* at time

Explanation: This is a time-stamp message for activity keypoint number *nnn*.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHAKP

XMEOUT Parameters: *date, time, applid, nnn, time*

DFHAK5802 *applid* Activity keypoint abend

Explanation: An abnormal condition has occurred during activity keypointing. DFHAKP issues this message when it intercepts an abend in any of the CICS services it uses.

System Action: CICS terminates abnormally with a dump.

User Response: Check any earlier messages for a possible cause of this failure. For example, check if the system log is unavailable. The first attempt to take a keypoint causes an abend with this message.

If the cause of the failure is not obvious, use the CICS trace to determine which CICS service was being invoked at the time of failure, and which abend code was issued. Read the description of the abend for an explanation of the failure and suggested action.

Destination: Console

Module: DFHAKP

XMEOUT Parameter: *applid*

DFHAK5803 *applid* Journal buffer too small for activity keypoint

Explanation: While taking a keypoint, CICS could not write an essential part of a CICS table to the system journal because the journal buffer was too small.

System Action: CICS terminates abnormally with a dump.

User Response: Reassemble the JCT with a larger BUFSIZE specification for the system journal, and restart CICS.

Destination: Console

Module: DFHAKP

XMEOUT Parameter: *applid*

DFHAMxxxx messages

DFHAM4800 I New group *grpname* created.

Explanation: A new group *grpname* has been created on the CSD.

System Action: None.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4801 I New list *lstname* created.

Explanation: A new list *lstname* has been created on the CSD.

System Action: None.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4802 E *applid name* is an invalid name.

Explanation: The name *name* in the command is invalid.

System Action: None.

User Response: Specify a valid name.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, name*

DFHAM4803 E *applid* Install failed because an existing definition for file *filename* could not be deleted.

Explanation: An attempt was made to install file *filename*. File *filename* already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

System Action: The install fails.

User Response: Rectify the problem and try the install again.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, filename*

DFHAM4804 E *applid* Invalid LIST name *lstname*.

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name *lstname* that contains characters unacceptable to RDO.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name or enter 'CANCEL', correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, lstname*

DFHAM4805 E Unable to perform operation: *name* is locked to APPLID *applid*, OPID *opid* to prevent updating.

Explanation: An attempt has been made to lock, or update, a group or a list that is currently locked to another user.

System Action: None.

User Response: Reenter the command when the group or the list is not locked.

Destination: Terminal End User

Module: DFHAMP

DFHAM4806 E *applid* Group name *grpname* exists as a LIST name.

Explanation: The system initialization table (SIT) GRPLIST parameter names a list that contains an unusable group name *grpname*. CICS cannot find this group because no resources are defined as belonging to it, and also because a list of the same name already exists in the CSD.

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

User Response: If you do not require group *grpname*, enter 'GO'.

If group *grpname* is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4808 E Object already exists in this group.

Explanation: An attempt has been made to define an object in a group, but an object with the same name already exists.

System Action: The definition on the CSD is presented to the user to overwrite.

User Response: Reenter the command with a different object name, or change the existing definition.

Destination: Terminal End User

Module: DFHAMP

DFHAM4809 E Date/time fields do not match (object updated by another user).

Explanation: The definition of an object on the CSD has been changed while the user was altering the definition.

System Action: None.

User Response: Reenter the command.

Destination: Terminal End User

Module: DFHAMP

DFHAM4810 E Object not found (deleted by another user).

Explanation: The definition of an object on the CSD has been deleted while the user was altering the definition.

System Action: None.

User Response: Determine why the definition has been deleted. Recreate and update the object if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4811 E applid name1 does not contain name2.

Explanation: The required object *name2* could not be found on the CSD in group *name1*.

System Action: None.

User Response: Determine why the definition cannot be found.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, name1, name2*

DFHAM4814 E applid List name listname exists as a group name.

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies an invalid list name *listname*. CICS cannot find the list because a group of the same name already exists in the CSD.

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name, or enter 'CANCEL', correct the GRPLIST system initialization parameter and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, listname*

DFHAM4815 E Group grpname not found in this list.

Explanation: The AFTER/BEFORE name entered in the command could not be found in this list. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System Action: None.

User Response: Reenter the command with a group name that exists on this list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4816 E applid Unable to install group grpname - group not found.

Explanation: The GRPLIST parameter of the system initialization table (SIT) names a list that contains an unusable group name *grpname*. CICS cannot find group *grpname* because no resources are defined as belonging to it.

System Action: CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

User Response: If you do not require group *grpname*, enter 'GO'.

If group *grpname* is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4819 E Group already exists in this list.

Explanation: The group already exists in the list.

System Action: None.

User Response: Determine why the group exists and reenter the command, perhaps with a different group name.

Destination: Terminal End User

Module: DFHAMP

DFHAM4820 S Unable to perform request - CSD full.

Explanation: The CSD file is full.

System Action: None.

User Response: Reenter the command when more space is available.

Destination: Terminal End User

Module: DFHAMP

DFHAM4821 S applid Unable to perform request - I/O error to CSD.

Explanation: An error occurred while the CSD file was being accessed during CICS initialization. This may be because the disk containing the CSD file was mounted incorrectly.

System Action: CICS terminates.

User Response: Retry the CICS initialization. If the problem persists, a hardware fault probably exists, and you should load a backup copy of the CSD.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4823 S applid Unable to perform request - DFHCSD not open.

Explanation: The CSD file (DFHCSD) is not open.

System Action: Other processing continues.

User Response: Ask the master terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4824 S *applid* Unable to perform request - Insufficient function in file definition for DFHCSD.

Explanation: During initialization, CICS has found a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD.

The most likely cause of this error is an incorrectly coded CSDACC parameter in the SIT entry for DFHCSD.

System Action: CICS terminates.

User Response: Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4825 S *applid* Unable to perform request - File Control has returned an INVREQ response.

Explanation: The file control file request handler (DFHFCFR) does not have sufficient function to support the CEDA command entered.

System Action: The CEDA command is ignored.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4826 S *applid* Unable to perform request - CSD corrupted or not initialized.

Explanation: During initialization, CICS finds a GRPLIST parameter in the SIT, but cannot access the CSD file because:

1. the CSD file has not been initialized, or
2. CSD initialization did not complete successfully, or
3. the CSD file has been corrupted.

System Action: CICS terminates.

User Response: If you have not used the CSD file before, initialize it using the offline utility, DFHCSDUP, and check the output listing from the utility for successful completion.

If you have used the CSD file before, it has probably been corrupted. In this case, load a backup copy of the CSD file and use it in place of the corrupted file.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4827 S *applid* Unable to perform request - DFHCSD could not be installed.

Explanation: During initialization, CICS finds a GRPLIST parameter in the system initialization table (SIT), but cannot access the CSD file because file control failed to install it.

System Action: CICS terminates.

User Response: Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file.

Assemble a new SIT as necessary.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4828 E *applid* Group *grpname* not found.

Explanation: The group name *grpname* in the command could not be found.

System Action: The command is ignored.

User Response: Retry the command with a group name that exists.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4829 S *applid* Storage violation. CSD primary control record not updated.

Explanation: The in-store version of the CSD primary record was corrupted.

System Action: The version on the CSD was not updated and is not necessarily affected.

User Response: None.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4830 E *restype* *resname* already exists in the target group.

Explanation: The COPY operation could not be performed, as a duplicate has been found in the target group.

System Action: The COPY command is ignored.

User Response: Reenter the command with the MERGE or the REPLACE option.

Destination: Terminal End User

Module: DFHAMP

DFHAM4831 E The new name *name* is longer than the four characters allowed for *restype* names.

Explanation: The specified name *name* is invalid because it is longer than four characters.

System Action: The command is ignored.

User Response: Enter a valid name.

Destination: Terminal End User

Module: DFHAMP

DFHAM4839 E *applid* List *listname* not found.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot find the list *listname* in the CSD file.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name.

If no suitable user-defined list exists, you can initialize a minimum-function system with GRPLIST=DFHLIST, then use the CEDA transaction to review and correct the faulty list, to install the

DFHAM4840 W

required group, and to rebuild a suitable list. Finally, cancel CICS, correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, listname*

DFHAM4840 W Group *grpname* not appended - group already exists in target list.

Explanation: The group *grpname* already exists in the target list.

System Action: That definition is not appended.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4841 E *applid* Install failed because definition of *restype resname* is in use by task no. *taskno* (transaction id. *transid*).

Explanation: An attempt was made to install object definition *restype resname* on the CICS system, but the installation failed because a read lock was held on that definition by task *taskno*.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, restype, resname, taskno, transid*

DFHAM4842 E *applid* Install failed because *restype resname* is currently in use.

Explanation: An attempt was made to install object definition *restype resname* on the CICS system, but the installation failed because the object was in use.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, restype, resname*

DFHAM4843 W *applid* *tttttt* *nnnnnnnn* is internally locked to OPID *opid* APPLID *applid*.

Explanation: The identified group or list *tttttt* is internally locked to operator *opid* on CICS system *applid* when an install is attempted. This could occur at a cold start when the CSD is shared between several CICS regions and operations on that group or list are incomplete.

System Action: The install will continue.

User Response: Check that the installed definitions correspond to your requirements.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tttttt, nnnnnnnn, opid, applid*

DFHAM4844 W *restype resname1* in group *grpname1* has the same name as a *restype* later in group *grpname2*.

Explanation: The CHECK command encountered a duplicate object name.

System Action: None in the CHECK command, but the earlier definition will be ignored when the definitions are installed, because they both belong to the same CICS table in which duplicate entries may not exist.

User Response: Determine why the duplicate condition exists and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4845 W *restype1 resname1* referenced by *restype2 resname2* in group *grpname* cannot be found.

Explanation: The CHECK command found a reference in a transaction definition to an object definition that does not exist.

System Action: None in the CHECK command, but errors may occur if that definition is installed and used.

User Response: Determine why the object definition cannot be found and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4846 W The *xxxxxxx* of transaction *transid1* in group *grpname* duplicates that of transaction *transid2* in group *grpname*.

Explanation: The CHECK command found a transaction definition with the same alias as another transaction.

System Action: No system action occurs for the CHECK command. However, errors may occur if that definition is installed and used.

User Response: Determine why the duplicate situation occurs and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4847 W RELOAD(YES) has been specified for non-RPG program *progrname* referenced by transaction *transid* in group *grpname*.

Explanation: The CHECK command found a transaction definition that referenced a non-RPG II program for which RELOAD=YES was specified.

System Action: If the definition is installed, CICS will not release storage for the first program invoked by a transaction unless the language is RPG II.

User Response: Specify RELOAD (NO).

Destination: Terminal End User

Module: DFHAMP

DFHAM4848 W Program *progname* in group *grpname* specifies language RPG which is not supported on OS.

Explanation: The CHECK command, executing under a CICS/OS/VS system, encountered an RPG II program definition. RPG II is not supported on CICS/OS/VS.

System Action: If the definition is installed, the program will be overwritten and unpredictable results will occur.

User Response: Change or remove the definition.

Destination: Terminal End User

Module: DFHAMP

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+ **DFHAM4849 W Netname *netname* of {CONNECTION | TERMINAL} *rsrcname1* in group *grpname1* duplicates that of {CONNECTION | TERMINAL} *rsrcname2* in group *grpname2*.**

+ **Explanation:** The CHECK command found a connection or terminal definition with a NETNAME that is the same as the NETNAME defined in another connection or terminal definition.

+ **System Action:** None in the CHECK command. However, it is not possible to install two terminals or a terminal and a connection with the same NETNAME. Also, you cannot have two or more APPC links with the same NETNAME, an APPC link and an LUTYPE6.1 link with the same NETNAME or two or more IRC connections with the same NETNAME.

+ **User Response:** Determine why the duplication exists and rectify the problem.

+ **Destination:** Terminal End User

+ **Module:** DFHAMP

DFHAM4850 W Transaction ID *tranid* begins with 'C'. Such transaction ID's are reserved and may be redefined by CICS.

Explanation: A transaction ID starting with C was specified, and these can be redefined by IBM.

System Action: Specify a different transaction identifier.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4852 W *restype name resname* begins with 'DFH'. Such names are reserved and may be redefined by CICS.

Explanation: A name beginning with DFH was specified.

System Action: If the definition is installed, errors may occur.

User Response: Names beginning with "DFH" are reserved and may be redefined by CICS. You should avoid starting names with "DFH".

Destination: Terminal End User

Module: DFHAMP

DFHAM4855 W DVSUPRT(VTAM) must be specified for PROFILE *profname* referenced by transaction *tranid* in group *grpname*.

Explanation: The CHECK command found a definition for a CICS-supplied transaction *tranid* without DVSUPRT(VTAM) specified in profile *progname*.

System Action: Unpredictable results will occur if the definition is installed and used.

User Response: Specify DVSUPRT(VTAM).

Destination: Terminal End User

Module: DFHAMP

DFHAM4856 W INBFMH(ALL) must be specified for PROFILE *profname* referenced by transaction *tranid* in group *grpname*.

Explanation: The CHECK command found a definition for a CICS-supplied transaction *tranid* without INBFMH(ALL) specified in profile *progname*.

System Action: The system abnormally terminates with abend code AXFO if the definition is installed and used.

User Response: Specify INBFMH(ALL).

Destination: Terminal End User

Module: DFHAMP

DFHAM4858 S *applid* Unable to perform request - DFHCSD not enabled.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file because it is disabled.

System Action: CICS terminates.

User Response: If you want to use the CSD file, check the system initialization parameters for DFHCSD and your JCL **before** the next CICS initialization.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4859 S *applid* Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.

Explanation: Insufficient VSAM strings are available to allow CEDA to proceed.

System Action: No CEDA commands may be executed.

User Response: Wait until other CEDA users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent CEDA transactions in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4861 W XTRANID of transaction *tranid* in group *grpname* duplicates transaction ID *tranid* in group *grpname*.

Explanation: The check command found a transaction *tranid* in group *grpname* whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the alias will be ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4862 W transaction id *tranid* in group *grpname* duplicates XTRANID of transaction *tranid* in group *grpname*.

Explanation: The check command found a transaction *tranid* in group *grpname* whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the first transaction in the message will be ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4863 I *name* is now locked. No group or list of that name exists.

Explanation: The LOCK command executed successfully, but no group or list of name *name* was found on the CSD file.

System Action: The name is locked.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4864 S *applid* Unable to perform operation - DFHCSD cannot be opened.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file for one of the following reasons:

1. The startup JCL does not contain the definition of the CSD file (DFHCSD).
2. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
3. VSAM has diagnosed that the CSD file cannot be opened.
4. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

System Action: CICS terminates.

User Response: The action to solve the problem depends on the cause as follows:

1. Correct the JCL.
2. Correct the JCL.

3. Check the system operator's console for VSAM messages, and correct all VSAM errors.

4. Increase the size limits of the DSAs or EDSAs.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4865 S *applid* Unable to perform operation - DFHCSD currently accessed by another user.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter. However, CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with SHAREOPTIONS(1).

System Action: CICS terminates.

User Response: To avoid a recurrence of this problem, recreate the CSD file specifying SHAREOPTIONS(2). See the *CICS/ESA System Definition Guide* for further details.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4866 E Unable to perform operation: *name* is IBM protected.

Explanation: The user has attempted to change the contents of a group or list whose name begins with "DFH". These are IBM-protected.

System Action: The command is not executed.

User Response: You can copy from IBM-supplied groups or lists and change the **copied** group or list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4867 E File name DFHCSD is reserved and must not be modified.

Explanation: You cannot define the CSD on the CSD itself.

System Action: The command is not executed.

User Response: Define DFHCSD via SIT options.

Destination: Terminal End User

Module: DFHAMP

DFHAM4868 W The LSRPOOLID of the LSRPOOL *lsrname* in group *grpname* duplicates that of LSRPOOL *lsrname* in group *grpname*.

Explanation: When invoking the CEDA CHECK command, an LSRPOOL definition *lsrname* in group *grpname* was found which duplicated the LSRPOOLID of another LSRPOOL.

System Action: None.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4869 E Single resource install of *restype resname* in group *grpname* is not allowed.

Explanation: The install of *restype resname* is not allowed via single resource install. It must be installed via group install.

System Action: The command is not executed.

User Response: Install group *grpname* via group install.

Destination: Terminal End User

Module: DFHAMP

DFHAM4870 E *applid* Install failed for program *programe* - language RPG is not supported under MVS.

Explanation: The GRPLIST parameter of the system initialization table (SIT) names a list in which a group contains a program *programe* that was defined with LANGUAGE(RPG).

System Action: CICS initialization continues. The definition in error is ignored.

User Response: Redefine program *programe* with the correct LANGUAGE definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, programe*

DFHAM4871 W *applid* File *filename* has been installed but set *filename* failed.

Explanation: Setting DSNAME and ENABLED takes place separately from the main part of INSTALL for a FILE, and can fail.

System Action: The file is installed but its state is not set.

User Response: Use the CEMT SET FILE command.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, filename, filename*

DFHAM4872 S *applid* Unable to connect to CICS catalog.

Explanation: DFHAMP was unable to connect to the CICS catalog for terminal installs.

System Action: CICS terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4873 S *applid* Unable to disconnect the CICS catalog.

Explanation: DFHAMP was unable to disconnect the CICS catalog for terminal installs.

System Action: CICS terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4875 E Unable to perform operation: *name* is currently being updated by APPLID *applid* OPID *opid* - please retry later.

Explanation: The command which you issued cannot be performed because another user of CEDA is currently changing the contents of the group/list to which you referred.

System Action: The command is not executed.

User Response: Try the command again.

Destination: Terminal End User

Module: DFHAMP

DFHAM4876 W PARTNER *partername* specifies NETNAME *netname* which is not found in any CONNECTION definition that specifies access method = VTAM.

Explanation: There is no VTAM connection within the current group for the netname referenced in the specified partner.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4877 W PARTNER *partername* specifies a NETNAME and PROFILE for which there is no common implied SESSIONS definition.

Explanation: The netname in a partner definition implies an associated connection definition which is in turn associated with a session definition. The profile definition referenced in a partner definition specifies a modename which can be associated with a sessions definition.

Within the current group, there is no common sessions definition implied by the specified partner definition.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4879 W Group *grpname* has been partially installed.

Explanation: During the execution of an INSTALL command for the group *grpname*, some of the elements in the group installed successfully, but at least one failed.

System Action: Messages are produced indicating why the element or elements failed to install.

User Response: Use the messages already produced to determine why the install failed and to rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4880 S *applid* Unable to perform operation - not allowed by file attributes for DFHCSD.

Explanation: The CSDACC parameter in the system initialization table for DFHCSD does not allow CEDA to complete the command entered. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following:

READWRITE
READONLY

DFHAM4881 I

In order for a particular command to function, the access must be set appropriately.

System Action: The CEDA command is ignored.

User Response: Correct the CSDACC parameter in the SIT. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4881 I Group *name* deleted.

Explanation: The Group *grpname* has been deleted from the CSD.

System Action: Processing continues.

User Response: Check that the deleted group is not present on any list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4882 W The {*TPNAME* | *XTPNAME*} of transaction *transid* in group *grpname* duplicates the {*TPNAME* | *XTPNAME*} of transaction *transid* in group *grpname*.

Explanation: The CHECK command found a transaction whose XTPNAME matches the TPNAME of another transaction.

System Action: No system action occurs for the CHECK command, but the XTPNAME or TPNAME for the first transaction in the message is ignored if the definitions are installed.

User Response: Determine why the duplication exists. To rectify the problem, rename either the TPNAME or the XTPNAME.

Destination: Terminal End User

Module: DFHAMP

DFHAM4883 I List *listname* deleted.

Explanation: The List *listname* has been deleted from the CSD.

System Action: None.

User Response: Check that the deleted list is not used at a cold start as the GRPLIST DFHSIT parameter.

Destination: Terminal End User

Module: DFHAMP

DFHAM4884 S *restype name resname* is reserved by CICS.

Explanation: The name *resname* you have selected for resource type *restype* is reserved by CICS and cannot be user defined.

System Action: The command is rejected.

User Response: Redefine *resname* and resubmit the command.

Destination: Terminal End User

Module: DFHAMP

DFHAM4886I *applid* Installing list *listname* which matches specified generic list *genlist*.

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name *genlist* that contains generic characters. While searching the CSD file, the list name *listname* was found to match the specified generic list.

System Action: The list name *listname* is installed.

User Response: None.

Destination: Console

Module: DFHAMP

XMEOUT Parameters: *applid, listname, genlist*

DFHAM4887 I *applid* Unrecognized resource type found in the CSD file and has been ignored.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAPxxxx messages

DFHAP0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively:

- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code *aaa/bbbb* is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user's system.

If *X'offset'* contains the value *X'FFFF'*, then module *modname* was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the *modname* insert contains the value *????*, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code *bbbb*. If *bbbb* is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

Note: The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the *CICS/ESA System Definition Guide*.

You may need further assistance from IBM to resolve this problem.

See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

- + **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPNT, DFHAPSM, DFHAPST, DFHAPSI, DFHAPRM, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHSAIQ, DFHSIPLT, DFHSRP, DFHSTDT, DFHSTFC, DFHSTIB, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTMP, DFHTSUT

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHAP0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the trace table (*X'code'* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the *CICS/ESA Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

- + **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPJC, DFHAPRM, DFHAPSI, DFHAPSIP, DFHAPSM, DFHAPST, DFHAPTI, DFHAPTIM, DFHAPTIX, DFHAPXM, DFHAPXME, DFHDKMR, DFHERM, DFHEISR, DFHICXM, DFHPCPG, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTIB, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHSUZX, DFHTMP, DFHTDXM, DFHVEH, DFHXCPA, DFHXSWM, DFHZCUT

XMEOUT Parameters: *applid, X'code', modname*

DFHAP0003 *applid* Insufficient storage (code *X'code'*) in module *modname*.

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *X'code'* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Customization Guide* for further information on controlling CICS storage.

DFHAP0004

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHAPDM, DFHAPSIP

XMEOUT Parameters: *applid, X'code', modname*

DFHAP0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPSM, DFHAPST, DFHAPSI, DFHAPRM, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHSAIQ, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTIB, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTSUT

XMEOUT Parameters: *applid, X'offset', modname*

DFHAP0005 *applid* A hardware error has occurred (module *modname*, code *X'code'*). MVS Store Clock found inoperative.

Explanation: A hardware error has occurred during the running of module *module*. The MVS store clock facility is the timing mechanism for the operating system.

The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the MVS store clock to determine whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZCUT

XMEOUT Parameters: *applid, modname, X'code'*

DFHAP0100 *applid* Suffix module *modname* cannot be loaded. Enter new suffix, 'YES'(unsuffix), 'NONE'(dummy), or 'CANCEL'

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded.

System Action: The AP domain initialization routines wait for the operator to:

- Enter an alternative two-character suffix,
- Enter 'YES' to request the unsuffixed version,
- Enter 'NONE' to request that a dummy version of the program or table be loaded, or
- Enter 'CANCEL'.

If 'CANCEL' is entered, CICS is abnormally terminated with a dump at the end of the nucleus process.

User Response: Determine whether the suffix is correct. If it is not, enter one of the replies listed in the System Action.

If you enter 'CANCEL', correct the error by adding the module to the appropriate library and then restart CICS.

Destination: Console

Module: DFHSIB1

XMEOUT Parameters: *applid, modname*

DFHAP0101 *applid* Suffix module *modname* cannot be loaded.

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded. This message is issued for all suffixable modules which cannot be located after CANCEL has been specified in response to a preceding DFHAP0100 message.

System Action: The AP domain initialization continues until the end of the nucleus load process. CICS is then abnormally terminated with a dump.

User Response: Determine whether the suffix is correct. If it is not, either correct the SIT or name the correct suffix via an override for the next initialization of CICS. Otherwise correct the error by adding the module to the appropriate library.

Destination: Console

Module: DFHSIB1

XMEOUT Parameters: *applid, modname*

DFHAP0501 *date time applid* **Program progname has issued an ADDRESS CSA command that is no longer supported.**

Explanation: The program *progname* has attempted to address the CSA. This function is no longer supported. The address returned is now fetch protected. Any attempt to reference this address results in an abend.

System Action: CICS continues.

User Response: Remove this command from the application program. Translate and compile. Remove any references to the address that was previously returned.

Destination: CMIG

Module: DFHEEI

XMEOUT Parameters: *date, time, applid, progname*

DFHAP0601 *applid* **Force purge of transaction id *tranid* transaction number *trannum* has been deferred because the transaction is executing post commit syncpoint processing.**

Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through processing the second phase of a two phase syncpoint. If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0408 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the purge until the target transaction is no longer protected against purge.

User Response: Retry the purge after a short interval if the target transaction has not ended.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum*

DFHAP0602 *applid* **Force purge of transaction id *tranid* transaction number *trannum* has been deferred because the transaction is executing transaction backout.**

Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through transaction backout processing (either as a result of an earlier transaction abend, or a syncpoint rollback request). If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this

state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the purge until the target transaction is no longer protected against purge.

User Response: Retry the purge after a short interval if the target transaction has not ended.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum*

DFHAP0603 *applid* **Forcepurge of transaction ID *tranid* transaction number *trannum*. Recovery token *X'rtoken'* has been deferred because the transaction is waiting for a DLI request in DBCTL to complete.**

Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is waiting in DBCTL (or an IMS DC system which CICS thinks is a DBCTL) for the DLI request to complete. If the force purge was accepted at this time, the IMS system would fail with a U113 abend. The target transaction cannot be purged while it is in this state. Transactions should only remain in this state for a short time, unless the transaction is requesting some data or resource held by some other task in DBCTL. The recovery token may be used to identify which DBCTL thread corresponds to your task. (Issue /DIS CCTL ALL against the relevant DBCTL). One of the other active threads probably holds the resource you are waiting for. A subsequent attempt to forcepurge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the forcepurge until the target transaction is no longer protected against purge.

User Response: Retry the forcepurge after a short interval if the target transaction has not ended. If the purge is still deferred, you will not be able to purge this transaction until the resource it is waiting for is released.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum, X'rtoken'*

DFHAP0701 *applid* **An abend (code *abcode*) has occurred in exit program *progname* at exit point *xxxxxxx*.**

Explanation: An abnormal end (abend) or program check has occurred in the program *progname*. This implies that there is an error in the error program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS

message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless:

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

Either CICS continues unless you have specified in the dump table that CICS should terminate.

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. If this is the case, a zero return code is returned to the CICS management module.

User Response: There might be a logic error in the user exit program *progname*. DISABLE the exit program from all exit points, by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit programs see the *CICS/ESA Customization Guide*.

Destination: Console

Modules: DFHSUEX, DFHUEH

XMEOUT Parameters: *applid, abcode, progname, xxxxxxxx*

DFHAP0704 *applid* **A possible loop has been detected in exit program *progname* at exit point *xxxxxxx*.**

Explanation: The exit program *progname* was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System Action: CICS returns a zero return code to the exit point. CICS also produces a system dump unless

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

User Response: There is a probable logic error in the user exit program *progname*. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

Refer to the *CICS/ESA Customization Guide* for further information about coding user exit programs.

If you think there is no loop, you can increase the runaway task time interval in the ICVR by using CEMT. This is explained in the *CICS/ESA CICS-Supplied Transactions*.

Destination: Console

Modules: DFHSUEX, DFHUEH

XMEOUT Parameters: *applid, progname, xxxxxxxx*

DFHAP0705 *W date time applid* **The enable of task related user exit program *progname* has caused CICS to force taskdataloc(below) for all transactions.**

Explanation: Task-related user exit program *progname* has been enabled with options TASKSTART and LINKEDITMODE, and *progname* has been linkedited AMODE 24. This ensures that it is always invoked in amode 24. An amode 24 task-related user exit program can only be invoked if the calling transaction is defined with TASKDATALOC(below).

By enabling the AMODE 24 task-related user exit for task start, the user has forced CICS to force all subsequent transactions to run with taskdataloc(below).

System Action: CICS continues, but for the remainder of the CICS run, CICS insists that all transactions run with taskdataloc(below).

User Response: To avoid all transactions having to run with taskdataloc(below), modify the task-related user exit so that it is capable of running AMODE(31) when invoked for task start.

Ideally the task-related user exit should be modified so that it always runs AMODE 31 for whoever is the caller. In this case the exit program can be linkedited with the AMODE 31 attribute, and enabled with the LINKEDITMODE option. This ensures CICS always invokes it in AMODE 31.

Alternatively the task-related user exit could be modified so it is capable of being invoked in either amode. In this case the exit should be enabled without the LINKEDITMODE option. This means the exit will be invoked in the amode of its caller. For CICS calls such as task start, this will always be AMODE 31, but it does allow the exit to be invoked AMODE 24 for calls from an amode 24 application if this is desired.

See the *CICS/ESA Resource Definition Guide* for more information on the TASKDATALOC option.

See the *CICS/ESA Customization Guide* for programming information on the LINKEDITMODE option when enabling task-related user exits.

Destination: Console and Transient Data Queue CSMT

Module: DFHUEM

XMEOUT Parameters: *date, time, applid, progname*

DFHAP0706 *applid* **A probable loop has been detected in task related user exit program *progname*.**

Explanation: The task related user exit program *progname* was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System Action: CICS produces a system dump unless you have specifically suppressed dumps in the dump table.

User Response: There is a probable logic error in the task related user exit program *progname*. DISABLE the exit program and correct the error.

Refer to the *CICS/ESA Customization Guide* for programming information about task-related user exit programs.

If there is no loop, you can avoid this problem by increasing the runaway task time interval in the ICVR using CEMT. This is explained in the *CICS/ESA CICS-Supplied Transactions*.

Destination: Console

Module: DFHERM

XMEOUT Parameters: *applid, progname*

DFHAP0707 *applid* **An abend (code *abcode*) has occurred in task related user exit program *progname*.**

Explanation: An abnormal end (abend) or program check has occurred in the task related user exit program *progname*. This implies that there is an error in the exit program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, X'0C1' or X'D37'). If an MVS code is not applicable, this field is filled with three hyphens.

The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: CICS makes an exception entry in the trace table and produces a system dump unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: There might be a logic error in the task related user exit program *progrname*. DISABLE the task related user exit program and correct the error.

For programming information about coding task related user exit programs see the *CICS/ESA Customization Guide*.

Destination: Console

Module: DFHERM

XMEOUT Parameters: *applid, abcode, progrname*

DFHAP1200I *applid* A CICS request to the Language Environment/370 has failed. Reason code *rc*.

Explanation: CICS has attempted to communicate with AD/Cycle Language Environment/370, but due to an error, the function requested by CICS could not be performed.

System Action: If the error occurs during system initialization, then the initialization continues but without support for the Language Environment/370. If the error occurs in a user application program, then the transaction is abnormally terminated.

User Response: For an explanation of the Language Environment/370 return code *rc*, refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual.

If the error occurs during system initialization, check that the Language Environment/370 modules and the modules required for the languages supported by that environment have been correctly installed. In particular ensure that:

- The interface module CEECCICS has been placed in a library concatenated to the STEPLIB DD statement of the CICS startup job stream
- The required modules in the CSD have been defined (these modules are listed in the file CEESAMP which is supplied with the sample files on the distribution tape).

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1201 *applid* CICS is unable to initialize COBOL2 support. Reason code *rc*.

Explanation: During system initialization, CICS could not correctly initialize VS COBOL II support. The reason code *rc* is a hexadecimal return code from the VS COBOL II module IGZ9CIC (alias IGZECIC).

System Action: CICS continues initialization, but transactions invoking VS COBOL II programs will abend.

User Response: The reason for the failure is explained in an associated IGZ message. IGZ messages are documented in the *VS COBOL II Application Programming Debugging Guide*.

Ensure that VS COBOL II has been installed successfully, and that the necessary steps to enable CICS support for VS COBOL II have been carried out. These are listed in the *VS COBOL II Installation and Customization* manual.

In particular, ensure that you have placed the COBOL-CICS interface module, IGZECIC, in a library concatenated to the STEPLIB DD statement of the CICS startup job stream. Also ensure that the VS COBOL II environment specific modules (ESM) IGZExxxx being used are those from COB2CICS. Check that COB2CICS appears before COB2LIB in the STEPLIB concatenation.

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1202I *applid* CICS is unable to initialize C/370 support. Reason code *rc*.

Explanation: During system initialization, CICS could not initialize C/370 correctly.

The C/370 support module, EDCCICS, has been loaded correctly, but the necessary setup is not complete.

System Action: CICS continues initialization, but transactions invoking C programs will abend.

User Response: Check that you have installed C/370 successfully and have carried out the necessary steps to enable CICS support for C. For details of the meaning of reason code *rc*, refer to the *IBM C/370 User's Guide* (SC09-1264-03).

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1203I *applid* Language Environment/370 is being initialized.

Explanation: This is an informatory message indicating that CICS is initializing support for the Language Environment/370.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1204I *applid* COBOL2 is being initialized.

Explanation: This is an informatory message indicating that CICS is initializing support for VS COBOL II.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1205I *applid* C/370 is being initialized.

Explanation: This is an informatory message indicating that CICS is initializing support for C/370.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1212 *date time applid* **The program *program_name* was defined as *language1* but CICS has redefined it as *language2*.**

Explanation: You have defined program *program_name* as *language1*. During validation CICS determined that *language1* is not a valid language for *program_name* and has redefined the program with *language2*.

CICS is able to determine the program language automatically. It is therefore not necessary for users to pass the language of a program to CICS via an autoinstall exit.

System Action: Processing continues.

User Response: None. This message is issued for information only.

Destination: CSTL

Module: DFHAPLI

XMEOUT Parameters: *date, time, applid, program_name, language1, language2*

DFHAP1213 *applid* **An unexpected error has occurred during language initialization.**

Explanation: Either an error was detected when CICS tried to load one of the required language interface modules, or the region size you have defined for CICS is too small.

During the language initialization phase of CICS startup, an unexpected error has occurred while CICS was initializing the necessary support. Possibly CICS has determined that there is insufficient storage to enable run-time language support to be correctly installed. Application program execution is likely to be severely restricted if CICS continues.

System Action: CICS initialization continues.

User Response: You should examine the console log for any error messages which may have been issued by the operating system immediately preceding this CICS message. If no operating system messages were issued, it is likely that there is insufficient storage for CICS to continue and you should restart CICS with a larger region size.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHCCxxxx messages

DFHCC0001 *applid* **An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in the {*local* | *global*} catalog, module *modname***

Explanation: An abnormal end (abend) or program check has occurred in module *modname* and will have occurred in either the local (DFHLCD) or the global (DFHGCD) catalog domains. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This will tell you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHCCCC, DFHCCDM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', {1=*local*, 2=*global*}, modname*

DFHCC0004 *applid* **A possible loop has been detected in the {*local* | *global*} catalog at offset *X'offset'* in module *modname***

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHCCDM, DFHCCCC

XMEOUT Parameters: *applid, {1=*local*, 2=*global*}, X'offset', modname*

DFHCC0100 *applid* Global Catalog initialization failure.
 {GENERATE ACB | OPEN ACB | GENERATE RPL |
 OPEN, SHOWCB.} R15 = X'yy' VSAM error code = X'
 zz'

Explanation: A VSAM error has occurred during global catalog initialization.

The VSAM codes given are explained in the *VSAM Programmer's Guide*, GC26-3838.

The possible versions of this message include the text

- "GENERATE ACB".
- "GENERATE RPL".

The GENCB failed with the R15 condition given in X'yy'.

The X'zz' code is only meaningful if X'yy' is X'04' when: X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.

- "OPEN ACB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

- "OPEN, SHOWCB".

OPEN has failed with the R15 condition code X'yy'.

This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: A system dump is produced, then CICS is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Look up the error codes in the *VSAM Programmer's Guide*, correct it then retry.

If this fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCDM

XMEOUT Parameters: *applid*, {1=GENERATE ACB, 2=OPEN ACB, 3=GENERATE RPL, 4=OPEN, SHOWCB.}, yy, zz

DFHCC0101 LOCAL CATALOG INITIALIZATION ERROR.
 {GENERATE ACB | OPEN ACB | GENERATE RPL |
 OPEN, SHOWCB.}R15 = X'yy' VSAM ERROR CODE
 = X'zz'

Explanation: A VSAM error has occurred during local catalog initialization.

The VSAM codes given are explained in the *VSAM Programmer's Guide*, GC26-3838.

The possible versions of this message include the text

- "GENERATE ACB".
- "GENERATE RPL".

The GENCB failed with the R15 condition given in X'yy'.

The X'zz' code is only meaningful when X'yy' is X'04' when: X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.

- "OPEN ACB".

OPEN has failed with the R15 condition code X'yy'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

- "OPEN, SHOWCB".

OPEN has failed with the R15 condition code X'yy'.

This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.

System Action: A system dump is produced, then CICS is terminated.

User Response: Look up the error codes in the *VSAM Programmer's Guide*, correct it then retry. If this fails, notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCDM

#

APAR PQ29306

DFHCC0102 *applid* Global Catalog data set is already in use.

Explanation: The VSAM error reported in the previous # DFHCC0100 message suggests that the global catalog is already # being used, possibly by another CICS region. The global catalog # data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHGCD DD statement for this # CICS specifies a different global catalog data set from any CICS # job that is already running.

If CICS still fails, notify the system programmer. You need further # assistance from IBM to resolve this problem. See Part 4 of the # *CICS/ESA Problem Determination Guide* for guidance on how to # proceed.

Destination: Console

Module: DFHCCDM

XMEOUT Parameter: *applid*

DFHCC0103 LOCAL CATALOG DATA SET IS ALREADY IN USE.

Explanation: The VSAM error reported in the previous # DFHCC0101 message suggests that the local catalog is already # being used, possibly by another CICS region. The local catalog # data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHLCD DD statement for this # CICS specifies a different local catalog data set from any CICS job # that is already running.

If CICS still fails, notify the system programmer. You need further # assistance from IBM to resolve this problem. See Part 4 of the

DFHCC0200

CICS/ESA Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHCCDM

DFHCC0200 *applid* VSAM error on the {local | global} catalog data set. VSAM return code in R15 = X'yy' RPL-FDBK=X'zz'.

Explanation: A catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced, then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If possible, correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the *VSAM Programmer's Guide GC26-3838*.

Inform the system programmer because this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: *applid*, {1=local, 2=global}, yy, zz

DFHCC0201 VSAM ERROR ON THE LOCAL CATALOG DATA SET, VSAM RETURN CODE IN R15 = X'yy' FDBK=X'zz'.

Explanation: A local catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: If possible correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the *VSAM Programmer's Guide GC26-3838*.

Inform the system programmer as this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCCC

DFHCC0202 *applid* The {local | global} catalog has started to use new secondary space allocation.

Explanation: Secondary space may be specified when the catalog data sets DFHLCD and DFHGCD are defined. This message is issued when the catalog starts using an additional space allocation.

See the *CICS/ESA System Definition Guide* for more information on controlling CICS storage.

System Action: An exception entry is made in the trace table, provided that trace is available at this time.

User Response: There are two possibilities.

- The system is in a loop which involves calls to the catalog to write onto the catalog data set. This is the most likely cause if the system suddenly starts to produce this message repeatedly.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is produced either:
 - during or shortly after CICS initialization, or
 - this message is only produced infrequently (and only a few are ever produced).

Look for any other symptoms of possible looping, and act accordingly. If looping has occurred then the system programmer should redefine the catalog during the next CICS cold start.

If CICS was not looping then notify the system programmer, who should increase the primary space allocated for this data set during the next CICS cold start.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: *applid*, {1=local, 2=global}

DFHCC0300 DFHCCUTL ERROR REPORT. ERROR {OPENING DFHLCD.|WRITING TO DFHLCD. R15 = X'yy' VSAM RPL FEEDBACK CODE = X'zz'.}

Explanation: The initialization of the local catalog data set, DFHLCD, has failed for the reasons given in the resulting job output.

System Action: Job terminates.

User Response: For the meaning of the VSAM codes, refer to the *VSAM Programmer's Guide GC26-3838*. Correct cause of error indicated and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCCUTL

DFHCExxxx messages

DFHCE3500 Unable to interpret keyword data. Sign-on is terminated.

Explanation: The keyword data supplied when invoking the sign on transaction is invalid.

System Action: Signon terminates.

User Response: Use the correct format to invoke the sign on transaction. The correct format is:

CESN USERID=userid,GROUPID=groupid,
 PS=password,NEWPS=new_password,
 LANGUAGE=language_code

See the *CICS/ESA CICS-Supplied Transactions*.

Destination: Terminal End User

Module: DFHSNP

DFHCE3501 Invalid keyword. Sign-on is terminated.

Explanation: The keyword which was entered was invalid.

System Action: The sign on transaction terminates.

User Response: Use a valid character keyword within the range 1-8.

Destination: Terminal End User

Module: DFHSNP

DFHCE3502 Your userid must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the USERID keyword has less than 1 or more than 8 characters.

System Action: Sign on terminates.

User Response: Use a valid userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3503 Your password must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the PS keyword has less than 1 or more than 8 characters.

System Action: Sign on terminates.

User Response: Use a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3504 Your new password must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the NEWPS keyword has less than 1 or more than 8 characters.

System Action: Signon terminates.

User Response: Use a valid new password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3506 Your groupid must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the GROUPID keyword has less than 1 or more than 8 characters.

System Action: Signon terminates.

User Response: Use a valid group name.

Destination: Terminal End User

Module: DFHSNP

DFHCE3507 Your language code must be three characters. Sign-on is terminated.

Explanation: The value of the LANGUAGE keyword is not a three-letter code.

System Action: Signon terminates.

User Response: Use a valid language code.

Destination: Terminal End User

Module: DFHSNP

DFHCE3520 Please type your userid.

Explanation: The system requests a userid.

System Action: None.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3521 CICS sign-on. Please type your userid.

Explanation: The system requests a userid.

System Action: The system waits for a response.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3522 CICS sign-on. Please type your userid==>

Explanation: The system requests a userid.

System Action: The system waits for a response.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3523 Please type your password.

Explanation: The system requests a password.

System Action: The system waits for a response.

User Response: Enter your password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3524 Please type your password==>@@@@@

Explanation: The system requests a password. @@@@@@ represents a character string provided by CICS to prevent the password being seen.

System Action: The system waits for a response.

User Response: Enter your password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3525 Your password has expired. Please type your new password.**Explanation:** The system requires a new password.**System Action:** The system waits for a response.**User Response:** Enter a new password.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3526 Your password has expired. Please type your new password==>@@@@@ @****Explanation:** The system requests a new password. @@@@@@ represents a character string provided by CICS to prevent the new password being seen.**System Action:** The system waits for a response.**User Response:** Enter a new password.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3527 Use your magnetic (OPID) card or press ENTER to cancel.****Explanation:** A magnetic card is required.**System Action:** The system waits for an opid (magnetic) card.**User Response:** Supply badge or terminate transaction.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3528 Signon failed during SECLABEL checking.****Explanation:** The signon request has failed because the external security manager (ESM) detected a critical error.**System Action:** The signon transaction terminates.**User Response:** Refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3529 The ESM is currently not accepting signons. Please try later.****Explanation:** The signon request has failed because the external security manager (ESM) was in a tranquil state. When in a tranquil state, only signons from special users are accepted.**System Action:** The sign on transaction terminates.**User Response:** The ESM has probably been put into a tranquil state to allow for ESM database maintenance. Determine whether maintenance is currently occurring and how long it will take. When maintenance is finished the tranquil state should be removed from the ESM which will allow you to sign on to CICS. If the ESM has not been put into a tranquil state then, refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3530 Your userid is invalid. Please retype.****Explanation:** Your userid is invalid.

The system requests a userid.

System Action: The system waits for a response.**User Response:** Enter a valid userid.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3531 Your userid is invalid. Please retype==>****Explanation:** Your userid is invalid.

The system requests a userid.

System Action: The system waits for a response.**User Response:** Enter a valid userid.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3532 Your password is invalid. Please retype.****Explanation:** The password entered was invalid.**System Action:** The system waits for a response.**User Response:** Enter a valid password.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3533 Your password is invalid. Please retype==>@@@@@ @****Explanation:** The password entered was invalid.**System Action:** The system waits for a response.**User Response:** Enter a valid password.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3534 Your new password is invalid. Please retype.****Explanation:** The new password entered was invalid.**System Action:** None.**User Response:** Enter a valid password.**Destination:** Terminal End User**Module:** DFHSNP**DFHCE3535 Your new password is invalid. Please retype==>@@@@@ @****Explanation:** The new password entered was invalid.**System Action:** The system waits for a response.**User Response:** Enter a valid password.**Destination:** Terminal End User**Module:** DFHSNP

DFHCE3536 Invalid OPID. Please enter a valid card or press ENTER to cancel.

Explanation: The OPID entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid card or press ENTER to cancel the signon.

Destination: Terminal End User

Module: DFH SNP

DFHCE3537 Language is invalid. Please retype.

Explanation: The language code entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid language code.

Destination: Terminal End User

Module: DFH SNP

DFHCE3538 Language is invalid. Please retype==>

Explanation: The language code entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid language code.

Destination: Terminal End User

Module: DFH SNP

DFHCE3539 Please reenter the new password for verification.

Explanation: You have entered a new password in the new password field and you are now being prompted to reenter the same password to assure yourself of the new password data.

System Action: The system waits for a response.

User Response: Reenter the new password in the password field.

Destination: Terminal End User

Module: DFH SNP

DFHCE3541 Security interface error (rc). Sign-on is terminated.

Explanation: An error has been detected in an external security manager. *rc* is the return code from the external security manager.

System Action: Signon terminates.

User Response: For a RACF signon, *rc* is the return code from the RACINIT macro. See the appropriate RACF manual for details of the macro return codes. The return codes are macro specific.

Destination: Terminal End User

Module: DFH SNP

DFHCE3542 Sign-on is not allowed at this terminal. Your sign-on is ignored.

Explanation: The TCT entry for this terminal has preset values for security.

System Action: The sign on transaction terminates.

User Response: Do not use the sign on transaction at this terminal.

Destination: Terminal End User

Module: DFH SNP

DFHCE3543 You have cancelled your sign-on request. Sign-on is terminated.

Explanation: The user has pressed ENTER when an OPID card was requested or has entered PF3 on a 3270 terminal device.

System Action: The sign on transaction terminates.

User Response: Retry the sign on procedure.

Destination: Terminal End User

Module: DFH SNP

DFHCE3544 Terminal authorization failed. Sign-on is terminated.

Explanation: RACF has responded to a security request with 'Terminal not authorized' and RACF response code X'30'.

System Action: The sign on transaction terminates.

User Response: Inform the systems programmer, who should refer to message DFHSN1118 on the CSCS log for the relevant information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFH SNP

DFHCE3545 Application authorization failed. Sign-on is terminated.

Explanation: RACF has responded to a security request with 'Application not authorized' and RACF response code X'34'.

System Action: The sign on transaction terminates.

User Response: Inform the systems programmer, who should refer to message DFHSN1119 on the CSCS log for the relevant information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFH SNP

DFHCE3546 Your signon {userid | group access} has been revoked. Signon is terminated.

Explanation: The response from RACF indicates that either the userid that you use to signon to CICS, or your access to the RACF group that contains it, has been revoked by the system.

System Action: The signon transaction terminates.

User Response: Contact your RACF administrator, who can re-authorize the revoked user ID.

Destination: Terminal End User

Module: DFH SNP

DFHCE3547 Security is not active. Sign-on cannot be performed.

Explanation: A request to sign on to the CICS system was rejected because the CICS security system was not active.

A user can only sign on to CICS when CICS security is active.

The CICS security system is activated using the system initialization parameter SEC=YES.

System Action: The sign on transaction terminates.

User Response: None.

Destination: Terminal End User

Module: DFH SNP

DFHCE3548 *date time applid* **Critical error has occurred in DFHNSP. Codes: 1,2,3,4,5.**

Explanation: The sign on program, DFHNSP, is abnormally terminated due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be one of ASNA, ASNB or ASNC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location, EIBFRCODE, EIBRESP and EIBRESP2.

System Action: DFHNSP is abnormally terminated with a transaction dump.. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User Response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This enables you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASNA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHNSP

XMEOUT Parameters: *date, time, applid, 1, 2, 3, 4, 5*

DFHCE3549 Sign-on is complete (Language *language*).

Explanation: The user has successfully signed on to the CICS system.

System Action: CICS is ready to receive user transactions.

User Response: Use terminal as required for CICS transactions.

Destination: Terminal End User

Module: DFHNSP

DFHCE3550 Sign-off option must be LOGOFF or GOODNIGHT. Sign-off is ignored.

Explanation: An option other than LOGOFF|GOODNIGHT was detected.

System Action: The sign-off transaction terminates.

User Response: Specify the correct option when invoking sign-off.

Destination: Terminal End User

Module: DFHSFP

DFHCE3551 *date time applid termid* **DFHNSP has detected an invalid COMMAREA. It has been ignored. The data is lost.**

Explanation: While processing a CESN transaction DFHNSP was passed a commarea that was not its own. This may be the result of an application issuing the EXEC CICS RETURN TRANSID(...) COMMAREA(...) with a *transid* of nulls (X'00000000'). This could be because the pointer to the *transid* is incorrectly set up or may be part of the system design.

System Action: DFHNSP continues with CESN transaction processing.

User Response: Investigate whether this message is issued validly as part of the system design, in which case the message can be ignored, or is an error. Investigate the previous transaction at this terminal.

Destination: CSMT

Module: DFHNSP

XMEOUT Parameters: *date, time, applid, termid*

DFHCE3560 Sign-off is not allowed at this terminal. Sign-off is ignored.

Explanation: The TCT entry for this terminal has preset values for security.

System Action: The sign-off transaction terminates.

User Response: Do not use the sign-off transaction at this terminal.

Destination: Terminal End User

Module: DFHSFP

DFHCE3570 Your groupid is invalid. Please retype.

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User

Module: DFHNSP

DFHCE3571 Your groupid is invalid. Please retype==>

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User

Module: DFHNSP

```
# _____ APAR PQ08190 _____
# |
# | New message DFHCE3587
# |
```

DFHCE3587 You cannot signon at this terminal at this time.

Explanation: You cannot signon at this terminal at this time. The # SNSCOPE initialization parameter disallows signon to more than # one terminal at a time. An internal failure during SNSCOPE # checking means that CICS is unable to confirm if the user is # already signed on elsewhere. The failure has occurred because the # limit of concurrent MVS ENQ requests has been reached.

System Action: The signon transaction terminates. Message # DFHUS0120 will have been written to the console. See the # explanation of this message for further information.

User Response: Please report this problem to your CICS # systems programmer.

Destination: Terminal End User

Module: DFHNSP

DFHCE3588 You are already signed on at another terminal. Signon cannot be performed.

Explanation: You cannot sign on at the current terminal because you are already signed on at another terminal. The SNSCOPE initialization parameter for the CICS system does not allow you to sign on to more than one terminal at a time.

System Action: The sign on transaction terminates.

User Response: Sign off from the other terminal before you attempt to sign on again.

Destination: Terminal End User

Module: DFHSNP

DFHCE3589 The external security manager is inactive. Signon cannot be performed.

Explanation: You cannot sign on because the external security manager is not active.

System Action: The sign on transaction terminates.

User Response: Wait until the external security manager has been reactivated before attempting to sign on again.

Destination: Terminal End User

Module: DFHSNP

DFHCE3590 Sign-off is complete.

Explanation: If the user issued a CESN to sign on to the system, then sign-off has been successful. If the user was not signed on, message DFHSN1213 is written to the CSCS log to indicate that the user has logged off but has not been allowed to sign off.

System Action: Other processing continues.

User Response: Use the terminal as required for CICS transactions.

Destination: Terminal End User

Module: DFHSFP

DFHCE3591 Sign-off is complete. LOGOFF option is invalid when using CRTE.

Explanation: The terminal is now signed off. The LOGOFF option which was specified has been ignored as it is invalid when using CRTE.

System Action: The CICS system, to which the user has connected via CRTE, has been signed off.

User Response: Do not use the LOGOFF option when signing off via CRTE.

Destination: Terminal End User

Module: DFHSFP

DFHCE3592 Sign-off is complete. GOODNIGHT option is invalid when using CRTE.

Explanation: The terminal is now signed off. The GOODNIGHT option which was specified has been ignored as it is invalid when using CRTE.

System Action: The CICS system, to which the user has connected via CRTE, has been signed off.

User Response: Do not use the GOODNIGHT option when signing off via CRTE.

Destination: Terminal End User

Module: DFHSFP

DFHCE3598 *date time applid* Critical error has occurred in DFHSFP. Codes: 1,2,3,4,5.

Explanation: The signoff program, DFHSFP, will abnormally terminate due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be ASFA, ASFB or ASFC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are *id_location* (in hexadecimal), EIBFRCODE, EIBRESP and EIBRESP2.

System Action: DFHSFP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User Response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This will enable you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASFA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHSFP

XMEOUT Parameters: *date, time, applid, 1, 2, 3, 4, 5*

DFHCPxxxx messages

DFHCP0101I *applid* CPI initialization has started.

Explanation: This is an informational message indicating the start of CPI initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0102I *applid* CPI initialization has ended.

Explanation: This is an informational message indicating that CPI initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0103I *applid* CPI initialization has failed.

Explanation: CPI has failed to initialize successfully.

System Action: Message DFHSI1522 will be issued following this message. CICS will terminate or continue initialization depending upon the operator's response to message DFHSI1522.

An exception trace entry will be written at the time the failure was detected.

Other CICS components called by CPI initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without CPI support, and respond accordingly to message DFHSI1522.

You should also investigate why CPI failed to initialize.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0701I *date time applid tranid program name* **CPI-C verb** *verb* used unrecognized **CONVERSATION_ID** *Conversation_ID*.

Explanation: The application program has used an unrecognized *conversation_ID* on one of its calls to CPI-C. This could mean that:

- The application program has not created a conversation successfully using either the CMINIT (Initialize_Conversation) or the CMA CCP (Accept_Conversation) verbs, or
- The application program has used the *conversation_ID* supplied to it by CPI-C incorrectly.

System Action: CICS returns control to the application program with *return_code* CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Determine which error has occurred and amend the application program accordingly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, verb, Conversation_ID*

DFHCP0702I *date time applid tranid program name Conversation_ID* **CPI-C verb** *verb* was disallowed because of the **conversation state** *state*.

Explanation: The CPI-C state machine detected a state error. This means that the conversation was in the wrong state to issue this verb.

System Action: CICS returns control to the application program with *return_code* CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Use the state machine defined in the *SAA CPI Communications Reference* manual, (SC26-4399), and the CICS trace information to determine the sequence of CPI-C calls issued that caused the state error. Amend the application program in accordance with the supplied guidelines.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, Conversation_ID, verb, state*

DFHCP0705I *date time applid tranid program name Conversation_ID* **invalid conversation_type parameter** (*X'conv_type*) **supplied on the CMSCT (Set_Conversation_Type) verb.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with an invalid *conversation_type* parameter value.

System Action: CICS returns control to the application program with *return_code* CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSCT in the application program to use a valid *conversation_type* parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPISA

XMEOUT Parameters: *date, time, applid, tranid, program name, Conversation_ID, X'conv_type'*

DFHCP0706I *date time applid tranid program name conversation_ID* **the supplied conversation_type parameter of CM_MAPPED_CONVERSATION conflicts with the current setting of the fill characteristic CM_FILL_BUFFER.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a *conversation_type* parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSF (Set_Fill) verb to set the *fill* characteristic.

This is not allowed in CPI-C.

System Action: CICS returns control to the application program with *return_code* CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it does not use these two verbs in this invalid combination.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPISA

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0707I *date time applid tranid program name conversation_ID* **the supplied conversation_type parameter CM_MAPPED_CONVERSATION conflicts with the current setting of log_data.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a *conversation_type* parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSLD (Set_Log_Data) verb to create some Log Data.

This is not allowed in CPI-C.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it does not use these two verbs in this invalid combination.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSA

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0708I *date time applid tranid program name conversation_ID*
invalid deallocate_type parameter
(X'deallocate_type) **supplied on the CMSDT**
(Set_Deallocate_Type) verb.

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with an invalid deallocate_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSDT in the application program to use a valid deallocate_type parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSB

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'deallocate_type'*

DFHCP0709I *date time applid tranid program name conversation_ID*
the supplied deallocate_type parameter
deallocate_type **conflicts with the current setting of**
the sync_level characteristic sync_level.

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with a deallocate_type of *deallocate_type* and with the sync_level characteristic set to *sync_level*.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSB

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, deallocate_type, sync_level*

DFHCP0710I *date time applid tranid program name conversation_ID*
invalid error_direction parameter (X'error_direction')
supplied on the CMSED (Set_Error_Direction) verb.

Explanation: The application program has called CMSED (Set_Error_Direction) with an invalid error_direction parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSED in the application program to use a valid error_direction parameter.

Destination: CCPI

Module: DFHPCPSC

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'error_direction'*

DFHCP0711I *date time applid tranid program name conversation_ID*
invalid fill parameter (X'fill') **supplied on the CMSF**
(Set_Fill) verb.

Explanation: The application program has called CMSF (Set_Fill) with an invalid fill parameter *fill*.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSF in the application program to use a valid fill parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSD

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'fill'*

DFHCP0712I *date time applid tranid program name conversation_ID*
CMSF (Set_Fill) call conflicts with the current
conversation_type of
CM_MAPPED_CONVERSATION.

Explanation: The application program has called CMSF (Set_Fill) when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSD

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0713I *date time applid tranid program name conversation_ID*
CMSLD (Set_Log_Data) call conflicts with the current conversation_type of CM_MAPPED_CONVERSATION.

Explanation: The application program has called CMSLD (Set_Log_Data) when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSE

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0714I *date time applid tranid program name conversation_ID*
log_data_length (log_data_length) supplied on CMSLD (Set_Log_Data) verb is not in the range 0-512.

Explanation: The application program has called CMSLD (Set_Log_Data) with a log_data_length parameter that is not in the range 0–512.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSLD in the application program to use a valid log_data_length parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSE

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, log_data_length*

DFHCP0718I *date time applid tranid program name conversation_ID*
invalid mode_name_length parameter (mode_name_length) supplied on the CMSMN (Set_Mode_Name) verb.

Explanation: The application program has called CMSMN (Set_Mode_Name) with a mode_name_length parameter outside the range of 0 –8.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSMN in the application program to use a valid mode_name_length parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSF

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name_length*

DFHCP0721I *date time applid tranid program name conversation_ID*
the partner_lu_name_length (partner_lu_name_len) supplied on the CMSPLN (Set_Partner_LU_Name) verb is not in the range 1-17.

Explanation: The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_lu_name_length parameter outside the range 1–17.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect either on the conversation or conversation characteristics.

User Response: Amend CMSPLN in the application program to use a partner_lu_name_length parameter within the range 1-17.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSG

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, partner_lu_name_len*

DFHCP0724I *date time applid tranid program name conversation_ID*
invalid prepare_to_receive_type parameter (X'ptr_type') supplied on the CMSPTR (Set_Prep_To_Receive_Type) verb.

Explanation: The application program has called CMSPTR (Set_Prep_To_Receive_Type) with an invalid prepare_to_receive_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSPTR in the application program to use a valid prepare_to_receive_type parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSH

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'ptr_type'*

DFHCP0725I *date time applid tranid program name conversation_ID*
the supplied prepare_to_receive_type parameter CM_PREP_TO_RECEIVE_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.

Explanation: The application program has called CMSPTR (Set_Prep_To_Receive_Type) with a prepare_to_receive_type parameter of CM_PREP_TO_RECEIVE_CONFIRM and with the sync_level characteristic set to CM_NONE.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSH

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0726I *date time applid tranid program name conversation_ID*
invalid receive_type parameter (X'receive_type)
supplied on the CMSRT (Set_Receive_Type) verb.

Explanation: The application program has called CMSRT (Set_Receive_Type) with an invalid receive_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSRT in the application program to use a valid receive_type parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSI

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'receive_type'*

DFHCP0727I *date time applid tranid program name conversation_ID*
invalid return_control parameter (X'return_control)
supplied on the CMSRC (Set_Return_Control) verb.

Explanation: The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSRC in the application program to use a valid return_control parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSJ

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'return_control'*

DFHCP0728I *date time applid tranid program name conversation_ID*
invalid send_type parameter (X'send_type) supplied
on the CMSST (Set_Send_Type) verb.

Explanation: The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSST in the application program to use a valid send_type parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSK

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'send_type'*

DFHCP0729I *date time applid tranid program name conversation_ID*
the supplied send_type parameter
CM_SEND_AND_CONFIRM is incompatible with the
current setting of the sync_level characteristic
CM_NONE.

Explanation: The application program has called CMSST (Set_Send_Type) with a send_type parameter of CM_SEND_AND_CONFIRM and with the sync_level characteristic set to CM_NONE.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSK

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0730I *date time applid tranid program name conversation_ID*
invalid sync_level parameter (X'sync_level) supplied
on the CMSSL (Set_Sync_Level) verb.

Explanation: The application program has called CMSSL (Set_Sync_Level) with an invalid sync_level parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSSL in the application program to use a valid sync_level parameter.

The SAA *CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSL

DFHCP0731I

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'sync_level'*

DFHCP0731I *date time applid tranid program name conversation_ID*
the supplied sync_level parameter CM_NONE is incompatible with the current setting of the send_type characteristic CM_SEND_AND_CONFIRM.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE. The send_type is CM_SEND_AND_CONFIRM.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0732I *date time applid tranid program name conversation_ID*
the supplied sync_level parameter sync_level is incompatible with the current setting of the deallocate_type characteristic deallocate_type.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of sync_level. The deallocate_type is deallocate_type.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, sync_level, deallocate_type*

DFHCP0733I *date time applid tranid program name conversation_ID*
the supplied sync_level parameter CM_NONE is incompatible with the current setting of the prepare_to_receive_type characteristic CM_PREP_TO_RECEIVE_CONFIRM.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE.

CM_PREP_TO_RECEIVE_CONFIRM is the prepare_to_receive_type.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0734I *date time applid tranid program name conversation_ID*
tp_name_length parameter (tp_name_length) supplied on the CMSTPN (Set_TP_Name) verb is not in the range 1-64.

Explanation: The application program has called CMSTPN (Set_TP_Name) with an tp_name_length parameter outside the range 1-64.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSTPN in the application program to use a valid tp_name_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPSM

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, tp_name_length*

DFHCP0740I *date time applid tranid program name* **No incoming conversation to accept.**

Explanation: The application program has called CMACCP (Accept_conversation) when there is no incoming conversation.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Ensure that there is an incoming conversation to accept.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP07411 *date time applid tranid program name* **Duplicate call to CMACCP (Accept_Conversation).**

Explanation: The application program has called CMACCP (Accept_conversation) more than once.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it only calls CMACCP once.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP07421 *date time applid tranid program name* **Session is not available for CPI-C as it is already in use by another process.**

Explanation: The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User Response: Ensure that the application uses only CPI-C on this session.

Destination: CCPI

Module: DFHPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP07431 *date time applid tranid program name* **Unable to use CPI-C as this transaction was initiated by ATI.**

Explanation: The application program has called CMACCP (Accept_conversation) after it was started by Automatic Transaction Initiation (ATI). This is not supported.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Ensure that applications abide by this restriction.

Destination: CCPI

Module: DFHPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP07471 *date time applid tranid program name conversation_ID* **CMCFM (Confirm) call conflicts with sync_level CM_NONE.**

Explanation: The application program has called CMCFM (Confirm) when the sync_level is set to CM_NONE. This is not allowed.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so this conflict no longer occurs.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCPCM

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP07491 *date time applid tranid program name* **Unrecognized sym_dest_name (sym_dest_name) supplied on the CMINIT (Initialize_Conversation) verb.**

Explanation: The application program has called CMINIT (Initialize_Conversation). The sym_dest_name parameter is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The *CICS/ESA Resource Definition Guide* explains how to use the partner resource correctly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name, sym_dest_name*

DFHCP07501 *date time applid tranid program name* **Unrecognized profile profile_name supplied in partner resource sym_dest_name.**

Explanation: The application program has called CMINIT (Initialize_Conversation). The profile found in the sym_dest_name supplied is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

In addition, the *CICS/ESA Resource Definition Guide* gives further information on partner resource definitions.

Modules: DFHPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name, profile_name, sym_dest_name*

DFHCP07511 *date time applid tranid program name conversation_ID*
invalid requested_length parameter requested_length
supplied on CMRCV (Receive).

Explanation: The application program has called CMRCV (Receive) with a requested_length parameter that has a value greater than 32767.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to use a valid value for the requested_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Modules: DFHPCPRI, DFHPCRW

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, requested_length*

DFHCP0752I *date time applid tranid program name conversation_ID*
data passed on call to CMSEND contains an invalid
GDS record.

Explanation: The application program has called CMSEND (Send_Data). Data passed on this call contains an invalid generalized data stream (GDS) record.

Note: This message is only issued on a basic conversation. That is, when conversation_type is set to CM_BASIC_CONVERSATION.

System Action: The data is not sent.

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to ensure that this parameter is correct.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The *CICS/ESA Distributed Transaction Programming Guide* provides additional information about GDS records.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0753I *date time applid tranid program name conversation_ID*
invalid send_length parameter send_length supplied
on CMSEND (send_data).

Explanation: The application program has called CMSEND (Send_Data) with a send_length parameter that is not in the range 0–32767 bytes.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

User Response: The send_length parameter should not exceed 32767 bytes. Amend CMSEND to send data that is within the

range 0–32767 bytes. This may entail sending the data in two chunks.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Modules: DFHPCPN1, DFHPCPN2, DFHPCPN3, DFHPCPN4, DFHPCPN5

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, send_length*

DFHCP0754I *date time applid tranid program name conversation_ID*
data sent so far is currently in the middle of a GDS
record so cannot send CMDEAL, CMCFM or CMPTR
requests.

Explanation: The application is using a basic conversation (that is, the conversation_type characteristic has been set to CM_BASIC_CONVERSATION).

The application has not sent all the data associated with the last Generalized Data Stream (GDS) record.

However, the application has tried to send one of the following requests:

- a CMDEAL (Deallocate),
- a CMCFM (Confirm), or
- a CMPTR (Prepare_to_receive).

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Inspect the data sent to determine why the previous send was in error. Check if the error was caused by the application truncating the last record or if there was an error in one of the length fields which caused CPI-C to misinterpret the data-stream and amend the application program accordingly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The *CICS/ESA Distributed Transaction Programming Guide* provides additional information about GDS records.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0756 *date time applid tranid program name conversation_ID*
received an unrecognized sense_code
X'sense_code' from the partner {program | program -
}tp_name.

Explanation: A sense code received from the partner program on a remote system was unrecognized. This could be for one of two reasons.

- a protocol error, or
- the partner program is running on a later release and new sense codes have been added to the APPC architecture.

System Action: CICS returns control to the application program with either return_code CM_DEALLOCATE_ABEND or CM_PROGRAM_ERROR_PURGING. This depends on whether

the unrecognized sense code has been interpreted as an error or interpreted as a conversation abend.

Note: *tp_name* is present only if this message is being issued on the front-end system.

User Response: Use the sense code provided in the message and your knowledge of the two communicating systems to determine which of the two possible cases documented above is the error.

If the error is a protocol error, you need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'sense_code', {2=program, 1=program - }, tp_name*

DFHCP07571 *date time applid tranid program name conversation_ID*
unrecognized netname netname supplied for CMALLC (Allocate) verb.

Explanation: The allocation of a session for this conversation failed due to an unrecognized netname *netname*.

This value is derived from the *partner_lu_name* specified either in the partner resource for the conversation, or on a CPI-C CMSPLN (set_partner_lu_name) verb.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

No session is allocated.

User Response: Amend the application program to use a recognized netname.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, netname*

DFHCP07581 *date time applid tranid program name conversation_ID*
unrecognized mode_name mode_name supplied for CMALLC (Allocate) verb.

Explanation: The allocation of a session for this conversation failed due to an unrecognized mode name *mode_name*.

This value is specified either in the profile named in the partner resource for the conversation, or on a CPI-C CMSMN (Set_mode_name) verb.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

No session is allocated.

User Response: Amend the application program to use a recognized mode_name.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP07591 *date time applid tranid program name conversation_ID*
invalid use of the SNA service TP X'tp_name'

Explanation: The allocation of a session for conversation *conversation_id* failed because the transaction program (TP) specified in the conversation control block (CPC) is an SNA service TP. This is not allowed.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different TP.

Destination: CCPI

Module: DFHCPCL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'tp_name'*

DFHCP07601 *date time applid tranid program name conversation_ID*
an invalid partner_lu_name partner_lu_name was specified for the CMALLC (Allocate) verb.

Explanation: The allocation of a session has failed. This is because the *partner_lu_name* specified in the conversation control block (CPC) does not conform to the following rules.

1. The *partner_lu_name* may take one of the following forms:
 - Netname (1-8 characters long), or
 - Network.netname (where network and netname are EACH 1-8 characters long).
2. Netname and network both consist of the following character sets, where the first character is always alphabetic.

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- A-Z
- a-z
- @
- \$
- #
- 0-9

+

Note: Lower case letters are translated to uppercase.

System Action: The session is not allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Depending on the application, the *partner_lu_name* either comes from the partner resource (specified on the CMINIT (initialize_conversation) verb in the sym_dest_name parameter) or an optional CMSPLN (set_partner_lu_name) verb. This value needs to be changed to conform to the rules above.

Destination: CCPI

Module: DFHCPCL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, partner_lu_name*

DFHCP07611 *date time applid tranid program name conversation_ID*
an invalid mode_name mode_name was specified for the CMALLC (Allocate) verb.

Explanation: The allocation of a session for conversation *conversation_id* has failed. This is because the *mode_name mode_name* specified in the conversation control block (CPC) is not allowed.

System Action: No session is allocated.

DFHCP0763I

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different mode_name.

Destination: CCPI

Module: DFHPCAL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP0763I *date time applid tranid program name conversation_ID*
the mode_name mode_name specified for the CMALLC (Allocate) verb is unknown to VTAM.

Explanation: The allocation of a session for conversation *conversation_ID* has failed. This is because the mode_name specified in the conversation control block (CPC) is known to the remote system, but is unknown to VTAM.

System Action: No session is allocated.

CICS returns control to the application program with return code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different mode_name.

Destination: CCPI

Module: DFHPCCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP0764I *date time applid tranid program name* **Partner Resource Manager is unavailable.**

Explanation: The application program has called CMINIT (Initialize_Conversation), but the partner resource manager (which provides access to the partner resource table) is not available.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User Response: First determine whether message DFHPR0106 was issued during CICS initialization; if so, refer to the advice given for that message. Otherwise it appears that CICS-owned storage (either the static storage address list, or the PR static storage) has been overlaid. Refer to the *CICS/ESA Problem Determination Guide* for guidance on how to deal with storage violations.

Destination: CCPI

Module: DFHPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0765I *date time applid tranid program name conversation_ID*
CPI-C verb verb was disallowed because of the BACKOUT-REQUIRED program state.

Explanation: The CPI-C state machine has detected a state error. The verb *verb* cannot be issued in BACKOUT-REQUIRED program state.

System Action: CICS returns control to the application program with return code CM_PROGRAM_STATE_CHECK.

User Response: Amend the application program in accordance with the supplied guidelines. See the *SAA CPI-C Reference* (SC26-4399), which contains a description of CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, verb*

DFHCRxxxx messages

DFHCR4300 *date time applid* **Transaction tranid not executed on terminal termid on system sysid. Transaction invalid on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed because transaction *tranid* is not defined on system *sysid*.

System Action: Other processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on system *sysid*.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4301 *date time applid* **Transaction tranid not executed on terminal termid on system sysid. Terminal invalid on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed because terminal *termid* is not defined on system *sysid*.

System Action: Other processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on system *sysid*.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4302 *date time applid* **Transaction tranid not executed on terminal termid on system sysid. Schedule request failed on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed.

System Action: Other processing continues.

User Response: Check the system definition tables of the remote system to determine why schedule requests might not be honored.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4310 *date time applid* **Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Transaction invalid on this system.**

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because transaction *tranid* is not defined in this system.

System Action: Processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on both systems.

Destination: CSMT**Module:** DFHCRS**XMEOUT Parameters:** *date, time, applid, sysid, tranid, termid*

DFHCR4311 *date time applid* Request from system *sysid* to initiate transaction *tranid* on that system on terminal *termid* was not executed. Terminal invalid on this system.

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because terminal *termid* is not defined on this system.

System Action: Processing continues.**User Response:** Ensure that terminal *termid* and transaction *tranid* are defined on both systems.**Destination:** CSMT**Module:** DFHCRS**XMEOUT Parameters:** *date, time, applid, sysid, tranid, termid*

DFHCR4312 *date time applid* Request from system *sysid* to initiate transaction *tranid* on that system on terminal *termid* was not executed. Schedule request failed

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because the schedule request failed.

System Action: Processing continues.**User Response:** Check the system definition tables of the local system to determine why schedule requests might not be honored.**Destination:** CSMT**Module:** DFHCRS**XMEOUT Parameters:** *date, time, applid, sysid, tranid, termid*

DFHCR4314 *date time applid* Request to initiate transaction *tranid* on remotely owned terminal *termid* has been purged. Request was not deliverable to system *sysid* within the ATI purge delay time interval.

Explanation: A request to initiate transaction *tranid* was not delivered to system *sysid*, probably because a link to system *sysid* had not been made available.

System Action: Processing continues.**User Response:** Ensure that a link to system *sysid* is made available between issuing the transaction initiation request and the elapse of the ATI purge delay time interval.**Destination:** CSMT**Module:** DFHCRQ**XMEOUT Parameters:** *date, time, applid, tranid, termid, sysid*

DFHCR4315 *date time applid* Request to initiate transaction *tranid* on remotely owned terminal *termid* has been purged. System *sysid* has not responded within the ATI purge delay time interval.

Explanation: A request to initiate transaction *tranid* was sent to system *sysid*. System *sysid* acknowledged the request but did not respond within the ATI purge delay time interval. If system *sysid* eventually responds, the task will not be executed.

System Action: Processing continues.**User Response:** Determine why system *sysid* did not respond. The system did not respond because

1. the task started and abnormally terminated, or
2. the task failed a security check, or
3. system *sysid* abnormally terminated and all details of the request were lost.

Destination: CSMT**Module:** DFHCRQ**XMEOUT Parameters:** *date, time, applid, tranid, termid, sysid*

DFHDBxxxx messages

DFHDB8101 I *date time applid* Connection to DBCTL *xxxx* is now complete. Startup Table Suffix used is *xx*.

Explanation: DBCTL has notified CICS that the CICS-DBCTL connection is complete.

System Action: CICS resynchronizes any outstanding DBCTL in-doubts.**User Response:** None.**Destination:** CDBC**Module:** DFHDBCT**XMEOUT Parameters:** *date, time, applid, xxxx, xx*

DFHDB8102 I *date time applid* Disconnection from DBCTL *xxxx* is now complete.

Explanation: CICS has successfully disconnected from DBCTL.**System Action:** CICS has successfully disconnected from DBCTL and performed its clean up.**User Response:** None.**Destination:** CDBC**Module:** DFHDBDI**XMEOUT Parameters:** *date, time, applid, xxxx*

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Corrections to message DFHDB8103

DFHDB8103 E *date time applid* IDENTIFY request to DBCTL *xxxx* has failed. MVS SSI return code *rc*, reason code.

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL is not currently executing. The return code from MVS SSI, reported in PAPLRETC, is *rc*. The reason code from MVS SSI, reported in PAPLRCD, is *reason*. The return and reason codes reported in PAPLRETC and PAPLRCD are explained in the *IMS Messages and Codes* manual.

System Action: CICS attempts to connect to DBCTL at 5 second intervals, issuing this message at each attempt, and message DFHDB8297 at 1 minute intervals, until either:

1. Disconnection is requested via the CICS supplied DBCTL support menu transaction, CDBC.
2. 10 minutes have elapsed, after which time CICS stops attempting to connect and IMS message DFS0690 is issued, requesting the operator to type in WAIT (retry the connection attempt) or CANCEL (abandon the connection attempt).

DFHDB8104 E

Refer to the explanation of DFHDB8297 for more information.
Refer to the *IMS Messages and Codes* manual for further
information on message DFS0690.
User Response: Check why DBCTL is not running. You can
cancel the connection attempts by using the CDBC transaction to
issue a disconnect request. If message DFH0690 has been issued
you should reply to this.
Destination: CDBC
Module: DFHDBCT
XMEOUT Parameters: *date, time, applid, xxxx, rc*

DFHDB8104 E *date time applid* **IDENTIFY request to DBCTL xxxx has been rejected by DBCTL.** {*System abend code | IMS user abend code | DBCTL return code*}*rc*.

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL has rejected the identify request.

System Action: The attempt to connect to DBCTL is abandoned and the storage associated with the CICS-DBCTL interface is cleaned up. Message DFHDB8102 is output.

User Response: For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *MVS/ESA Message Library: System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, {1=System abend code , 2=IMS user abend code , 3=DBCTL return code } , rc*

DFHDB8105 W *date time applid* **Operator has requested cancellation of the connection to DBCTL.**

Explanation: DBCTL notifies CICS that the operator has replied 'CANCEL' to IMS message DFS0690. Refer to the *IMS Messages and Codes* manual for information on IMS message DFS0690.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and issues message DFHDB8102.

User Response: None. This message is for information only.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid*

DFHDB8106 E *date time applid* **The DRA has abnormally terminated. CICS is no longer connected to DBCTL id xxxx.**

Explanation: DBCTL has notified CICS that the database resource adapter (DRA) is abnormally terminating.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and disconnects from DBCTL. CICS then issues message DFHDB8102.

User Response: See the *CICS/ESA CICS-IMS Database Control Guide* for information about problem determination. If you wish to reconnect CICS to DBCTL, use the menu transaction CDBC.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8107 E *date time applid* **DBCTL xxxx has abnormally terminated. Will attempt to reconnect.**

Explanation: DBCTL notifies CICS it is about to terminate.

System Action: CICS will attempt to reconnect to DBCTL.

User Response: Notify the system programmer.

Look for messages output by the DBCTL system and determine why DBCTL failed. Restart DBCTL if required.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8108 I *date time applid* **DBCTL xxxx has received a CHECKPOINT FREEZE command. CICS will disconnect from DBCTL.**

Explanation: DBCTL notifies CICS that it is about terminate because a CHECKPOINT FREEZE command has been issued.

System Action: CICS will clean up the storage associated with the CICS-DBCTL interface and will then output message DFHDB8102.

User Response: None.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8109 E *date time applid* **Request to DL/I failed for transaction *tranid*, task *taskid*, recovery token X'*nn'*{*system abend code | , IMS user abend code | , DBCTL return code*}*rc*, DBCTL id *xxxx*.**

Explanation: DBCTL *xxxx* returns a nonzero response code *rc* when a DL/I request has been issued from an application program.

System Action: The CICS transaction may be abnormally terminated.

User Response: If the CICS transaction is abnormally terminated, refer to the accompanying CICS transaction abend code.

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *MVS/ESA Message Library: System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

For further information about the unit of recovery, refer to the *CICS/ESA CICS-IMS Database Control Guide*.

Destination: CDBC

Module: DFHDLIDP

XMEOUT Parameters: *date, time, applid, tranid, taskid, X'*nn'*, {1=, system abend code , 2=, IMS user abend code , 3=, DBCTL return code } , rc, xxxx*

DFHDB8110 E *date time applid* **Non zero return code from DFHDBAT. Return code rc for request request.**

Explanation: The module DFHDBAT, which is a task related user exit forming part of the CICS-DBCTL interface, returns a nonzero return code in reply to a request issued from CICS to DBCTL.

System Action: The request to DBCTL fails.

Three types of request to DBCTL can fail in this way:

1. A request to connect to DBCTL from module DFHDBCON
2. A request to disconnect from DBCTL from module DFHDBDSC
3. A DL/I request from an application program via module DFHDLIDP

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The return code is one of the following:

4 — CALL NOT UNDERSTOOD

This can be returned when attempting to connect, disconnect or issue DL/I requests to DBCTL. The most likely cause is a storage overwrite. If CICS detects a storage overwrite, a dump is taken.

8 — REDUNDANT INTERFACE CALL

This can be returned when attempting to connect or disconnect from DBCTL. The request is ignored.

16 — DISCONNECT PRE-EMPTED

This can be returned when attempting to disconnect from DBCTL while a disconnection request is already being processed.

24 — ADAPTER NOT READY

A request has been made to the adaptor DFHDBAT but CICS is still in the process of connecting to DBCTL.

28 — ADAPTER IS DISABLED

This indicates that the CICS-DBCTL interface is not available.

Destination: CDBC

Modules: DFHDBCON, DFHDBDSC, DFHDLIDP

XMEOUT Parameters: *date, time, applid, rc, request*

DFHDB8111 E *date time applid* **Connection has failed. DBCTL return code rc.**

Explanation: DBCTL returns a nonzero response code when CICS is attempting to connect to it.

System Action: The connection attempt is abandoned.

User Response: Notify the system programmer.

For further information about the DBCTL return code, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, rc*

DFHDB8112 E *date time applid* **Unable to generate Task Token due to purge request.**

Explanation: The module, DFHDBTOX, was invoked:

- To set up a task token, or
- To GETMAIN some storage.

The GETMAIN failed.

System Action: Processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the *CICS/ESA Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBTOX

XMEOUT Parameters: *date, time, applid*

DFHDB8113 E *date time applid* **Getmain failure for storage to hold the in-doubt list. Resync has not taken place.**

Explanation: Connection to DBCTL has been completed, but there are some in-doubts outstanding. The GETMAIN to store the in-doubts has failed.

System Action: CICS remains connected to DBCTL but the in-doubts are not resolved.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the *CICS/ESA Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid*

DFHDB8114 E *date time applid* **Connection has failed. DRA startup table with suffix xx cannot be found.**

Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Startup Table with the suffix *xx* cannot be found.

System Action: The connection attempt is abandoned.

User Response: If you were using the DBCTL Support Menu transaction, CDBC, check to see if you have mistyped the suffix value.

If you have not mistyped the suffix value then notify the system programmer.

Place the DRA Startup Table in a CICS STEPLIB library. For further guidance on how to do this, see the *CICS/ESA CICS-IMS Database Control Guide*.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, xx*

DFHDB8115 E *date time applid* **Connection has failed. Module DFSPRR0 cannot be found.**

Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Router module, DFSPRR0, cannot be found.

System Action: The connection attempt is abandoned.

User Response: Place the module DFSPRR0 in a CICS STEPLIB library. For further guidance on how to do this, refer to the *CICS/ESA CICS-IMS Database Control Guide*.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid*

DFHDB8116 I *date time applid* **Connection to DBCTL xxxx is proceeding. Startup Table Suffix used is xx.**

Explanation: The first phase of connecting CICS to DBCTL has been completed.

System Action: CICS connection to DBCTL proceeds.

User Response: None.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, xxxx, xx*

DFHDB8117 W *date time applid* **No connection to DBCTL made although the connection program is in the PLT.**

Explanation: The connection program, DFHDBCON, has been placed in the program list table (PLT) but CICS was not connected when CICS last shut down.

System Action: CICS will not connect to DBCTL.

User Response: This is a warning message. In this case, if you wish to connect CICS to DBCTL then use the DBCTL Support Menu transaction, CDBC.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid*

DFHDB8118 E *date time applid* **Connection to DBCTL xxxx has been rejected by CICS. Reason code rc.**

Explanation: CICS has rejected the connection attempt to DBCTL for reason *rc*. The value in the reason code field is 4. This indicates an invalid IMS/ESA release for storage protection. That is, CICS storage protection was active, and an attempt was made to connect to a DBCTL system running a release of IMS/ESA that does not support the storage protection function.

System Action: On completion of phase 2 connection processing, CICS indicates to the database resource adapter (DRA), in the control exit, that the DRA should terminate. CICS then completes cleanup of the CICS-DBCTL interface. The status of the interface is that CICS is not connected to DBCTL.

User Response: Connection to this DBCTL system is only possible if CICS is run with storage protection turned off. To run with storage protection on, install a release of IMS/ESA that supports the storage protection function.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, rc*

DFHDB8119 I *date time applid* **CICS is INDOUBT about the LUW with recovery token X'rectok' after issuing a single phase commit request to DBCTL, {SYSTEM ABEND CODE | IMS USER ABEND | DBCTL RETURN CODE} rc.**

Explanation: CICS was attempting to syncpoint updates made to IMS databases via DBCTL for the logical unit of work (LUW) identified by unit of recovery X'rectok'. CICS has detected that updates were made to only one resource manager, DBCTL, in this LUW, and hence has issued a single-phase commit to DBCTL, in place of the normal two-phase commit process. An unexpected response to the single-phase commit has been received from DBCTL, and so CICS is INDOUBT about this LUW. CICS is unable to report whether the updates made via DBCTL have been committed or backed out. No local CICS resources are affected.

System Action: The transaction terminates abnormally with abend code ADCS and a transaction dump. CICS processing continues.

User Response: The unit of recovery X'rectok' output with this message can be used in conjunction with IMS message DFSxxxx output on the IMS console to determine the outcome of the LUW.

If the IMS region has failed, on restart of the IMS region, IMS will output DFSxxxx messages for each LUW that has committed using the single-phase commit protocol. The DFSxxxx message contains the same X'rectok' recovery token as output in this message. While matching up the recovery tokens, if a DFSxxxx message is found with the same recovery token, then the LUW was committed. Failure to find a relevant DFSxxxx message means that the LUW has been backed out.

Rather than the IMS region failing, if the bad response to single-phase commit was caused by an individual thread failure and the LUW has been committed, then IMS outputs a DFSxxxx message for just this LUW.

For further information on IMS message DFSxxxx, refer to the *IMS Messages and Codes manual*

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *MVS/ESA Message Library: System Codes manual*
- An **IMS user abend code**, refer to the *IMS Messages and Codes manual*
- A **DBCTL return code**, refer to the *IMS Messages and Codes manual*.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, X'rectok', {1=SYSTEM ABEND CODE, 2=IMS USER ABEND, 3=DBCTL RETURN CODE}, rc*

DFHDB8120 I *date time applid* **DBCTL may be INDOUBT about the LUW with recovery token X'nn', which CICS has {committed | backed out}, {SYSTEM ABEND CODE | IMS USER ABEND CODE | DBCTL RETURN CODE} rc.**

Explanation: CICS has received a bad return code from DBCTL for a commit or backout request for the logical unit of work (LUW) identified by unit of recovery X'nn'.

System Action: CICS has either backed out or committed this LUW. CICS continues.

User Response: At the next reconnection, CICS and DBCTL resolve all INDOUBTs.

Alternatively you can request DBCTL to find out if the LUW is INDOUBT, and instruct DBCTL to commit it or back it out. For more information on how to do this, refer to the *CICS/ESA CICS-IMS Database Control Guide*.

For further information about the nonzero response code, if *rc* is:

- a **system abend code**, refer to the *MVS/ESA Message Library: System Codes manual*
- an **IMS user abend code**, refer to the *IMS Messages and Codes manual*
- a **DBCTL return code**, refer to the *IMS Messages and Codes manual*.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, X'nn', {1=committed, 2=backed out}, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE}, rc*

DFHDB8121 I *date time applid* **A failure has occurred in DBCTL during syncpoint prepare processing.** {System abend code | IMS user abend code | DBCTL return code | IMS fast path status code} *rc*.

Explanation: CICS has detected a failure in DBCTL during syncpoint prepare processing.

System Action: The transaction terminates abnormally with abend code ASP7 and a transaction dump. CICS processing continues.

User Response: Refer to the abend code ASP7 for further information about the accompanying CICS transaction.

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *MVS/ESA Message Library: System Codes manual*
- An **IMS user abend code**, refer to the *IMS Messages and Codes manual*
- A **DBCTL return code**, refer to the *IMS Messages and Codes manual*
- An **IMS fast path status code**, refer to the *IMS Application Programming: EXEC DLI Commands manual* if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the *Application Programming: DL/I Calls*.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=IMS fast path status code}, rc*

DFHDB8122 I *date time applid* **CICS is about to disconnect from DBCTL for CICS shutdown.**

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

System Action: CICS disconnection from DBCTL proceeds.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid*

DFHDB8123 I *date time applid* **CICS disconnection from DBCTL for CICS shutdown has completed successfully.**

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS has successfully disconnected from DBCTL.

System Action: CICS shutdown continues.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid*

DFHDB8124 E *date time applid* **CICS disconnection from DBCTL for CICS shutdown has** {failed, | timed out.}{System abend code | IMS user abend code | DBCTL return code | }*rc*

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS disconnection from DBCTL failed for one of the reasons given in the message text.

System Action: CICS shutdown continues.

User Response: If the failure is due to a timed out condition, the message indicates that the time elapsed since CICS requested disconnection has reached the interval specified in the TIMEOUT parameter of the DRA interface without a response from DCBTL. The default interval is 60 seconds.

If failure is due to any other condition, a nonzero return code is given. If *rc* is:

- A **system abend code**, refer to the *MVS/ESA Message Library: System Codes manual*
- An **IMS user abend code**, refer to the *IMS Messages and Codes manual*
- A **DBCTL return code**, refer to the *IMS Messages and Codes manual*.

Destination: Console

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, {1=failed, , 2=timed out.}, {1=System abend code , 2=IMS user abend code , 3=DBCTL return code , 4= }, rc*

DFHDB8128 W *date time applid* **Error linking to the CICS-DBCTL user replaceable program DFHDBUEX from module modname.**

Explanation: An attempt was made to invoke the user replaceable module, DFHDBUEX, but the module was not available.

System Action: CICS disregards the failure and continues execution.

User Response: Ensure that module DFHDBUEX is available.

Destination: CDBC

Modules: DFHDBCT, DFHDBDSC.

XMEOUT Parameters: *date, time, applid, modname*

DFHDB8129 E date time applid Getmain failure in the Control Exit DFHDBCTX.

Explanation: The MVS GETMAIN request failed in DFHDBCTX.

System Action: The CICS-DBCTL interface remains unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. Check for other messages issued from the CICS region to the MVS console.

See the *CICS/ESA Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBCTX

XMEOUT Parameters: *date, time, applid*

DFHDB8130 E date time applid Disconnection has failed. DBCTL return code rc.

Explanation: The disconnection attempt failed in DBCTL.

System Action: CICS abandons the attempt to disconnect from DBCTL.

User Response: For further information about the DBCTL return code, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBDSC

XMEOUT Parameters: *date, time, applid, rc*

DFHDB8131 E date time applid The CICS-DBCTL control transaction has abnormally terminated with abend abcode.

Explanation: The CICS-DBCTL control transaction, CDBO, has failed.

System Action: The CICS/DBCTL interface is no longer usable.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the description of abend *abcode* for further guidance.

If you wish to use DBCTL from this CICS system again, you have to restart CICS.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, abcode*

DFHDB8199 E GETMAIN REQUEST FOR CICS-DBCTL CONTROL WORK ELEMENT (CWE) HAS FAILED.

Explanation: While notifying the CICS-DBCTL control transaction of changes to the state of the CICS-DBCTL interface a GETMAIN request for storage to hold a CICS-DBCTL control work element failed.

System Action: CICS uses control exit storage in DBCTL global block (DGB) to notify the control transaction of the error. The control transaction issues message DFHDB8129 to transient data destination CDBC. CICS abandons the attempt to change the state of the CICS-DBCTL interface.

User Response: This message indicates that there is a storage management problem. See any other messages issued from the CICS region to the MVS console for further guidance. You need

further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDBCTX

DFHDB8201I The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key when using either

- CDBI, the CICS-DBCTL support inquiry transaction (Module DFHDBIQ), or
- CDBC, the CICS-DBCTL support menu transaction (Module DFHDBME).

System Action: CICS ignores the key pressed.

User Response: Check the allowable keys display which appears at the bottom of the screen and try a valid key.

Destination: TERMCDBC

Modules: DFHDBIQ, DFHDBME

DFHDB8202 Selection must be one of those shown above.

Explanation: The terminal operator has typed in an invalid option when using CDBC, the DBCTL Support Menu Transaction.

System Action: CICS rejects the invalid option.

User Response: Check the allowable options that appear on the screen and choose the appropriate one.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8204 Invalid DRA startup table suffix supplied.

Explanation: The terminal operator has typed an invalid startup table suffix when using CDBC, the DBCTL Support Menu Transaction. The suffix must be one or two characters long consisting only of characters valid for a partitioned data set member name.

System Action: CICS rejects the invalid Startup Table Suffix.

User Response: Correct the startup table suffix and try again. You may need to check the suffix with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8207D Connection to DBCTL requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be connected to DBCTL.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then CICS will connect to DBCTL. If any other key is pressed in response to this message, CICS will not connect to DBCTL.

User Response: Press the PF5 key if you wish to proceed with connecting CICS to DBCTL. If you do not wish the connection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8208D DBCTL immediate disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL immediately.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all DL/I requests issued from this CICS system and currently being processed in DBCTL will complete and then CICS will disconnect from DBCTL. Tasks which have been using DBCTL but have not yet issued a CICS SYNCPOINT, either explicitly in the application or implicitly as a result of CICS task termination processing, will abnormally terminate with abend code ASP7. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL immediately. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8209D DBCTL orderly disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL in an orderly manner.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all tasks running in this CICS system that have already used DBCTL will complete and then CICS will disconnect from DBCTL. No new tasks running in this CICS system will be permitted to use DBCTL until CICS is connected to DBCTL again. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL in an orderly way. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8210D Connection to DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8207 or the CDBC transaction was used from the MVS operator console to connect to DBCTL. CICS issues further messages concerning the connection to the CDBC transient data destination.

System Action: CICS proceeds with the connection attempt.

User Response: Press PF3 to terminate the transaction. Press PF2 to refresh the status information on the screen. If you are running the CDBC transaction on the console, the PF key functions are not available. Check the CDBC transient data destination for further messages.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8211D Orderly disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8209. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages to the MVS console.

System Action: CICS proceeds with the disconnection attempt.

User Response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8212D Immediate disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8208. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages.

System Action: CICS proceeds with the disconnection attempt.

User Response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8213 Connection to DBCTL is already in progress. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL and CICS is already trying to connect to DBCTL.

System Action: This connection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the "DBCTL connected and ready" message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was connecting to DBCTL. The operator should also check the MVS console as the message DFS0690 may have been issued, and be waiting for a reply.

Destination: TERMCDBC

Module: DFHDBME

**DFHDB8214 Connection to DBCTL has already been done.
Request is ignored.**

Explanation: The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

System Action: This connection request is ignored.

User Response: If you did not expect DBCTL to be connected to CICS then check the CDBC transient data destination to see when CICS did connect to DBCTL (message DFHDB8101).

Destination: TERMCDBC

Module: DFHDBME

**DFHDB8215 Orderly disconnection from DBCTL in progress.
Request is ignored.**

Explanation: The terminal operator has either:

- Requested that CICS should disconnect from DBCTL when CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL when CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the refresh key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

**DFHDB8216 Immediate disconnection from DBCTL in progress.
Request is ignored.**

Explanation: The terminal operator has either:

- Requested that CICS should disconnect from DBCTL while CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL while CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL. If necessary, check the location of the CDBC destination with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8217 DBCTL not currently connected to CICS. Request ignored.

Explanation: The terminal operator has requested that CICS should disconnect from DBCTL when CICS is not connected to DBCTL.

System Action: This disconnection request will be ignored.

User Response: If you did not expect DBCTL to be disconnected from CICS then check the CDBC transient data destination to see when and why CICS did disconnect from DBCTL (message

DFHDB8102). If you do not know where the CDBC destination is, then please check with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8218 CDBC - Please specify CONNECT or DISCONNECT.

Explanation: The terminal operator has used CDBC, the DBCTL support menu transaction, from the MVS operator console and has not selected an option.

System Action: No action is taken until the operator selects an option.

User Response: Select an option by typing in CDBC with a connect or disconnect option.

See the *CICS/ESA CICS-Supplied Transactions* for guidance on using CDBC.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8219 DBCTL connection phase 1 in progress. Request is ignored.

Explanation: The first phase of connecting CICS to DBCTL has not completed yet, but the terminal operator has requested disconnection from DBCTL.

System Action: This disconnection request is ignored.

User Response: Try requesting disconnection again if you wish to proceed with disconnecting CICS from DBCTL. If you still cannot disconnect then check the CDBC transient data destination to see if any messages have been issued which indicate that there are problems with the connection attempt. Also check if any messages have been issued from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8220 CICS-DBCTL connection is unusable. Request is ignored.

Explanation: A failure has occurred in the CICS-DBCTL interface.

System Action: Any requests to connect or disconnect from DBCTL is ignored.

User Response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination for any messages issued from CICS and also by checking for any messages issued from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8221 Non zero return code rc from DFHDBAT. The request is ignored.

Explanation: The module DFHDBAT returns a nonzero return code in reply to a request issued to DBCTL. DFHDBAT is a task-related user exit and forms part of the CICS-DBCTL interface.

System Action: The request to DBCTL fails.

User Response: See message DFHDB8110 for further guidance.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8222 Connection has failed. DBCTL return code is rc.

Explanation: DBCTL rejects a request from CICS to connect to it.

System Action: The connection does not proceed.

User Response: See the *IMS Messages and Codes* manual for an explanation of the DBCTL return code.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8223 DRA startup table with suffix xx cannot be found. Request is ignored.

Explanation: A connection request has been issued and the startup table with the suffix specified cannot be found.

System Action: The connection does not proceed.

User Response: If you were using the DBCTL Support Menu transaction, CDBC, check if you have mistyped the suffix value.

Place the DRA startup table in a CICS STEPLIB library. For guidance on how to do this, see the *CICS/ESA CICS-IMS Database Control Guide*.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8224 Module DFSPRRC0 cannot be found. Connection cannot be done.

Explanation: The DRA router module, DFSPRRC0, could not be found during an attempt to connect to DBCTL.

System Action: The connection does not proceed.

User Response: Place the module DFSPRRC0 in a CICS STEPLIB library. For guidance on how to do this, see the *CICS/ESA CICS-IMS Database Control Guide*.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8225I applid The DBCTL ID is xxxx. The DRA Startup Table suffix is xx.

Explanation: This message is issued from module DFHDBME when CDBC, the DBCTL support menu transaction, is used from the MVS operator's console. This message is issued from module DFHDBIQ when CDBI, the DBCTL support inquiry transaction, is used from the MVS operator's console.

System Action: Processing continues.

User Response: None.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8226 There was an error starting CDBT. Disconnection from DBCTL failed.

Explanation: An error has occurred, starting the disconnection transaction CDBT.

System Action: The disconnection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that the disconnection transaction CDBT is available. Check that the disconnection module DFHDBDSC is available.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8227 There was an error linking to DFHDBCON. Connection to DBCTL failed.

Explanation: An attempt was made to connect to DBCTL but there was an error when linking to the connection module.

System Action: The connection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8228 The period (.) and subsequent characters have been removed.

Explanation: A comment was found at the end of the command. The CDBM transaction has removed the comment before sending the IMS command. Comments start with the period character (.) and continue to the end of the command.

System Action: The IMS command is sent without the comment.

User Response: None.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8229 Spaces immediately after the CRC (/) have been removed.

Explanation: One or more spaces were found between the command recognition character (CRC) and the IMS verb. The default CRC is the oblique stroke (/). Spaces in this position would normally cause an IMS command to fail.

System Action: The CDBM transaction removes the spaces before sending the IMS command.

User Response: None. The operator should not add spaces between the CRC and the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8230 The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key.

System Action: CICS ignores the key pressed.

User Response: Check the display of key functions at the bottom of the screen and try a valid key.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8231 FORCE IMS LOG END OF VOLUME was not set to 1 or 2.

Explanation: When entering a /DBDUMP or /DBRECOVER IMS command, the value in the FORCE IMS LOG END OF VOLUME field must be set to either 1 or 2. If you select 1, which is the default, the command has the NOFEOV option set; this does not force IMS End OF LOG for this command. To override this, select option 2; the NOFEOV option is not added.

System Action: The command is not sent.

User Response: Choose option 1 or 2 and press Enter.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8232 Initial CRC (/) was not found. Reenter the IMS command.

Explanation: The command recognition character (CRC) is expected at the start of the command line. The default CRC is the oblique stroke (/).

System Action: The command is not sent.

User Response: Reenter the command with the CRC as the initial character.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8233 A second CRC (/) was found. Reenter the IMS command.

Explanation: The command field can accept only one command. A command must start with the command recognition character (CRC). The default CRC is the oblique stroke (/). A second CRC within the command field is not allowed and must be removed before the command is sent to IMS.

System Action: The command is not sent.

User Response: Correct the command field by removing the second command or correcting the command syntax.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8234 An invalid wildcard was found. Reenter the IMS command.

Explanation: More than one database name contains a wildcard. You can use the asterisk (*) to refer to any number of characters, or the plus sign (+) to refer to a single character. However, in a command you can use wildcard characters in one database name only. Wildcards in more than one database name are not permitted and should be removed.

System Action: The command is not sent.

User Response: Remove the invalid wildcard. Either change the first wildcard string to include the database names matched by the second wildcard string, or explicitly name the databases. Alternatively issue the command with the first wildcard string, retrieve the command by pressing F9 (Retrieve) and replace the first wildcard string with the second. If there are other database names within the command, you may need to remove them before sending the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8235 Incorrect wildcard position. Reenter the IMS command.

Explanation: You can use a wildcard character in a command only to refer to database names. In this case a wildcard character, an asterisk (*) or plus sign (+), has been wrongly positioned in the command.

System Action: The command is not sent.

User Response: Correct the command by moving the wildcard to a position where it can refer to a database name or names.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8236 Invalid IMS command verb. Reenter the IMS command.

Explanation: The command has been rejected by IMS because the verb is not recognized as a valid IMS operator command.

System Action: IMS rejects the command.

User Response: Correct the command and press Enter.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8237 Command not allowed. Enter a valid IMS command.

Explanation: This command has been rejected by IMS because it cannot be executed using the AIB interface used by CICS.

Certain IMS operator commands such as /MODIFY are not valid with the CDBM transaction and must be issued via the MVS console.

System Action: IMS rejects the command.

User Response: Enter a valid IMS operator command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8238 Command not authorized. Enter a valid IMS command.

Explanation: The command has been rejected by IMS because the application or user does not have the necessary authorization to execute the command as entered.

System Action: IMS rejects the command.

User Response: Get the necessary authorization and reissue the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8239 aaaa call failed, AIB Return X'bbbb' Reason X'cccc'

Explanation: The command has been rejected by IMS.

System Action: IMS rejects the command.

User Response: For the IMS function code, examine the AIB return code and reason code to determine the cause of the error. See the *IMS/ESA Messages and Codes* manual for an explanation of these codes.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8240 DBCTL not connected. Run CDBC to connect.

Explanation: CICS was unsuccessful in its attempt to schedule the program specific block (PSB) DFHDBMP before issuing the IMS command.

System Action: The command is not sent.

User Response: Ensure that the DBCTL system is attached using the CICS supplied transaction CDBC.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8241 PSB schedule unsuccessful. UIB return codes
 (X'aaaa)

Explanation: CICS was unsuccessful in its attempt to schedule the program specification block (PSB) DFHDBMP before issuing the IMS command.

System Action: The command is not sent.

User Response: Ensure that PSB DFHDBMP is available to your system. See the summary of abends and return codes in the *CICS/ESA CICS-IMS Database Control Guide* for an explanation of the UIB return codes.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8242 Command in progress. Issue /DISPLAY command for status.

Explanation: The command sent to IMS has not returned a segment but has sent an acknowledgment.

System Action: The IMS command is proceeding or has completed.

User Response: Issue a /DISPLAY command to determine the status. Press F9 (Retrieve) to retrieve the IMS command and change the command to a /DISPLAY command. Alternatively press F12 (Cancel) and enter a new command to display the status.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8290I DBCTL not connected to CICS.

Explanation: This message is displayed when CICS is not connected to DBCTL.

If you are using the CDBC transaction, the DBCTL support menu transaction, then the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: None.

Destination: TERMCDDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8291I DBCTL connect phase 1 in progress.

Explanation: CICS is in phase 1 of connecting to DBCTL and has not yet moved into phase 2 of connection processing.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF2 key to refresh the status information on the screen. Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8292I DBCTL connect phase 2 in progress.

Explanation: CICS is in phase 2 of connecting to DBCTL. (That is, phase 1 of connection has been completed and CICS has not yet heard from DBCTL that phase 2 of connection has been completed.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL support inquiry transaction, then this message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface. Check that the DBCTL system you are trying to connect to has been initialized.

Check the MVS operator console for any IMS console messages that need a reply (for example, message DFS0690).

Destination: TERMCDDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8293I DBCTL connected and ready.

Explanation: CICS is connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8294I DBCTL orderly disconnect in progress.

Explanation: CICS is disconnecting from DBCTL in an orderly manner. (That is, all tasks using DBCTL from this CICS system will run to termination before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8295I DBCTL immediate disconnect in progress.

Explanation: CICS is disconnecting from DBCTL immediately. (That is, all DL/I requests issued from this CICS system and currently being processed by DBCTL will complete before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

If there is an IMS console message DFS0690 waiting for an operator reply, this message continues to be displayed until the operator replies to the IMS console message.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8296I DBCTL cannot be connected to CICS.

Explanation: A failure has occurred in the CICS-DBCTL interface.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination and checking any messages issued from DBCTL.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8297 applid CICS/DBCTL CONNECTION BEING ATTEMPTED

Explanation: This message only occurs when there is no recoverable service table (RST). CICS has attempted to connect to DBCTL but has failed on one or more occasions. DBCTL may not be running, or it may be restarting after a DBCTL abend.

System Action: CICS continues to attempt to connect every 5 seconds. This message is reissued every minute for ten minutes or until connection is made.

If the connection is not made in ten minutes, CICS will stop attempting to connect and IMS message DFS0690 is issued. If the user replies WAIT to the IMS DFS0690 message, then the IMS DRA will take over responsibility for retrying the connection attempt. The TIMER parameter in the DRA startup table specifies how often the DRA will retry the connect to DBCTL.

User Response: Check why DBCTL is not running. You can cancel the connection attempts using the CDBC transaction by issuing a disconnect request.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDDxxxx messages**DFHDD0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

- + The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37).
- + If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDDDM, DFHDDDI, DFHDDLO, DFHDDBR

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDD0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: Directory Domain has received an unexpected error response from some other part of CICS. The operation requested by Directory Domain is described by code X'code'.

For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

| **Modules:** DFHDDDM, DFHDDDI, DFHDDLO, DFHDDBR
 | **XMEOUT Parameters:** *applid, X'code', modname*

DFHDLxxxx messages

DFHDL3900 *applid* Error in logging DL/I data base

| **Explanation:** IMS requested the logging of a control record. Such a record should not be written by IMS when running under CICS/ESA.

| **System Action:** The system is abnormally terminated with an MVS dump.

| **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Destination:** Console

| **Module:** DFHDLR

| **XMEOUT Parameter:** *applid*

DFHDL3901 *date time applid* Transaction *tranid* DL/I abend *abcode*

Explanation: This message indicates that DL/I has pseudo-abended transaction *tranid*.

System Action: The transaction is abnormally terminated with a CICS dump.

User Response: Notify the programmer responsible for this area.

See the *IMS Messages and Codes Reference* manual. for an explanation of the DL/I pseudoabend code, *abcode*

Destination: CSMT

Module: DFHDLR

XMEOUT Parameters: *date, time, applid, tranid, abcode*

DFHDL3905 *date time applid* Backout failure for PSB *psb*, transaction *tranid*. Databases with uncommitted updates will be stopped.

Explanation: An error occurred during dynamic transaction backout, which prevented backout for updates to IMS databases from being completed successfully.

System Action: Any databases updated by the task during the failing logical unit of work (LUW) will be stopped (closed). These databases will be listed in messages, such as DFHDL3907, which are output after this message.

All transactions currently scheduled with intent on these databases will be abnormally terminated with abend code ADLA in the next call to DL/I.

User Response: Correct the cause of the backout failure and perform the backout using the IMS database backout utility. See the *CICS/ESA Recovery and Restart Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLX

XMEOUT Parameters: *date, time, applid, psb, tranid*

DFHDL3906 *date time applid* Backout failure for PSB *psb*. Databases with uncommitted updates will be stopped.

Explanation: An error occurred while trying to back out updates to an IMS database (or group of databases) during emergency restart. The backout(s) could not be completed successfully.

System Action: The databases (which were being updated by inflight tasks to PSBxxxxxxx when the previous CICS run abnormally terminated) will be stopped. These databases will be listed in messages, such as DFHDL3907, which are output after this message.

User Response: Correct the cause of backout failure and perform the backout using the IMS database backout utility. See the *CICS/ESA Recovery and Restart Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLX

XMEOUT Parameters: *date, time, applid, psb*

DFHDL3907 *date time applid* Database *dbdname* has been stopped

Explanation: A failure has occurred either during dynamic transaction backout or during emergency restart. Either message DFHDL3905 or DFHDL3906 has been issued previously.

System Action: For the sake of database integrity, database *dbdname* is stopped (closed).

User Response: Correct the cause of the backout failure. See the *CICS/ESA Recovery and Restart Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLX

XMEOUT Parameters: *date, time, applid, dbdname*

DFHDL3908 *date time applid* Database *dbdname* has been stopped on request from subsystem *sysid*

Explanation: A backout failure has occurred in IMS data sharing subsystem *sysid*. Subsystem *sysid* stops database *dbdname* because of this failure.

System Action: PSB scheduling is stopped for transactions attempting to access database *dbdname*. The database is closed. Any transactions using the database at the time it was closed will abnormally terminate with abend code ADLA.

User Response: When database *dbdname* is available again, issue a CEMT OPEN GLOBAL command from subsystem *sysid*. (This assumes that subsystem *sysid* is a CICS system.) To make the database available to a single (CICS) subsystem, issue a local CEMT OPEN command.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLG

XMEOUT Parameters: *date, time, applid, dbdname, sysid*

DFHDL3909 *date time applid command* **command requested by subsystem sysid for database dbdname {Successful | Failed} RC=rr**

Explanation: Command *command* is OPEN, CLOSE, DUMPD, or RECOVERDB. *rr* is the secondary return code issued by CEMT for invalid requests (08 is the primary code). *sysid* is the issuing IMS data sharing subsystem.

Subsystem *sysid* has issued the global command *command*. The return code *rr* relates to the local CICS system, and is the return code that would be received if the command were issued locally.

System Action: The system action is indicated in the message. Scheduled PSBs will have been terminated before command *command* was attempted.

User Response: Refer to the *CICS/ESA CICS-Supplied Transactions* for an explanation of the CEMT secondary return codes, *rr*, documented in this message.

Destination: CSMT

Module: DFHDLG

XMEOUT Parameters: *date, time, applid, command, sysid, dbdname, {1=Successful, 2=Failed}, rr*

DFHDL3910 *date time applid* **Transaction tranid dfsnn**

Explanation: This message is a header for an IMS message. *tranid* is the transaction identifier. The IMS message number (*nnn*) is part of this message, and can be used to locate the IMS message in the *IMS Messages and Codes Reference Manual*.

System Action: The message is issued when IMS requires a message to be sent.

User Response: Take action appropriate to the *DFSnnn* message that is printed.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLR

XMEOUT Parameters: *date, time, applid, tranid, dfsnnn*

DFHDL3911 *applid* **DBRC backout failure notification error. CICS will be terminated.**

Explanation: DBRC has not been able to process a request from CICS informing it that a backout failure has occurred.

System Action: CICS is abnormally terminated to maintain data integrity and a system dump is produced.

Register 15, at the time of the dump, contains the return code when CICS attempted to either acquire the storage for the DBRC parameters, or to notify DBRC of the backout failure.

User Response: See the *IMS Messages and Codes* manual for an explanation of the return code. Take the appropriate action and restart CICS.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3913 *applid* **Unable to notify datasharing subsystems of backout failure. CICS will be terminated.**

Explanation: The internal resource lock manager (IRLM) has been unable to notify all sharing subsystems of a backout failure within CICS.

System Action: CICS is abnormally terminated to maintain data integrity and a system dump is produced.

User Response: Register 15 at the time of the dump contains the return code from the DFSLM macro.

See the *IMS Messages and Codes* manual for an explanation of the return code. Take the appropriate action and restart CICS.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3914 *applid* **Retained DBRC authorizations for datasharing users have been released**

Explanation: DBRC has retained database authorizations because the previous CICS run did not shut down normally. A subsequent CICS restart causes this message to be issued at the end of CICS system initialization (after backout has been performed, if the restart is emergency).

System Action: All authorizations for this CICS subsystem, held because of a previous failure by this subsystem, are freed.

User Response: If all the appropriate backouts have been done, no action need be taken. Take care to ensure that any backouts have been done prior to doing a cold CICS or IMS start.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3915 *applid* **DBRC signon recovery end call failed, RC = rr**

Explanation: DBRC has retained database authorizations because the previous CICS run did not shut down normally. After restarting, CICS performs any necessary backouts unless a CICS cold start or an IMS cold start was performed.

CICS is now attempting to inform DBRC that backout processing is complete so that any held authorizations may be released. However, IMS DBRC is unable to process this request. The request fails with an IMS DBRC return code of *rr*.

System Action: CICS is abnormally terminated to maintain data integrity. A system dump is produced.

User Response: See the *IMS Messages and Codes* manual for an explanation of the IMS return code. Correct the error and restart CICS.

Destination: Console

Module: DFHDLX

XMEOUT Parameters: *applid, rr*

DFHDL3916 *applid* Retained IRLM locks have been released.

Explanation: The internal resource lock manager (IRLM) has retained database record locks because the previous CICS run did not shut down normally. A subsequent CICS restart causes this message to be issued at the end of CICS system initialization (after backout has been performed, if the restart is an emergency restart.)

System Action: All IRLM locks for this CICS subsystem, held because of a previous failure by this subsystem, are freed.

User Response: If all the appropriate backouts have been done, no further action is required. Take care to ensure that necessary backouts have been done **prior** to performing a cold CICS or IMS start.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3917 *applid* IRLM purge call failed, RC = *rr*

Explanation: The internal resource lock manager (IRLM) has retained database record locks because the previous CICS run did not shut down normally. After restarting, CICS performed any necessary backouts, unless a CICS cold start or a IMS cold start was performed.

CICS is now attempting to inform the IRLM that backout processing is complete so that any held locks may be released. However, the IRLM has been unable to process this request. The request fails with an IRLM return code of *rr*.

System Action: CICS continues, but any previous record locks will be held.

User Response: See the *IMS Messages and Codes* manual for an explanation of the IRLM return code. Correct the error and restart CICS.

Destination: Console

Module: DFHDLX

XMEOUT Parameters: *applid, rr*

DFHDL3918 *applid* Unable to attach CSGX, the global command processor.

Explanation: Transaction CSGX, which processes global command requests issued from other subsystems, cannot be started.

System Action: CICS continues processing. Global commands issued from sharing subsystems will not be processed.

User Response: Ensure that CSGX (group DFHDLI) has been installed using RDO.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3919 *applid* Unable to attach CSSX, the IRLM failure processor.

Explanation: Transaction CSSX, which handles internal resource lock manager (IRLM) failures, cannot be started.

System Action: CICS is abnormally terminated to maintain data integrity and a system dump is produced.

User Response: Ensure that CSSX (group DFHDLI) has been installed using RDO.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3920 *date time applid* Status condition processor CSSX has abended. CICS will be terminated.

Explanation: Transaction CSSX, which handles internal resource lock manager (IRLM) failures, has abnormally terminated.

System Action: CICS is abnormally terminated to maintain data integrity and a system dump is produced.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the supplied dump to help determine the cause of the CSSX abend. Take the appropriate action, and restart CICS.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLX

XMEOUT Parameters: *date, time, applid*

DFHDL3921 *date time applid* Identify failed during reconnect - RC = *rr-ss*

Explanation: After an internal resource lock manager failure, CICS was trying to reconnect to the new IRLM by means of the CEMT PERFORM RECONNECT command.

System Action: The CEMT PERFORM RECONNECT command is rejected with return code *rr* from the IRLM "IDENTIFY" request.

User Response: The return code will provide more information about the failure. Look up its meaning in the *IMS Messages and Codes Reference* manual. Take the appropriate corrective action. Then retry the CEMT PERFORM RECONNECT command.

Destination: CSMT

Module: DFHDLX

XMEOUT Parameters: *date, time, applid, rr, ss*

DFHDL3922 *applid* Unable to acquire global command lock during reconnect

Explanation: CICS has requested a global command lock from the internal resource lock manager (IRLM) to effect a reconnect to the IRLM. The IRLM has rejected this request.

System Action: CICS is abnormally terminated to maintain data integrity and a system dump is produced.

Register 15 at the time of the abend contains the return code from the IRLM lock acquisition request.

User Response: See the *IMS Messages and Codes* manual for an explanation of the IRLM return code. Take the appropriate corrective action and restart CICS.

Destination: Console

Module: DFHDLX

XMEOUT Parameter: *applid*

DFHDL3924 *applid* System log indicates that DL/I backout is required, but DBRC does not. CICS terminated.

Explanation: CICS has found a task that requires DL/I backout to be performed. However, DBRC indicates that no recovery is expected (that is, no database authorizations are held).

System Action: CICS abnormally terminates.

User Response: Check that the correct system log is being used for restart.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHDL3925 *date time applid* Global command task CSGX has abended. No further commands received by this system can be processed.

Explanation: Transaction CSGX, which handles global command requests issued from other subsystems, has abnormally terminated. Any further global command requests issued by other subsystems will not be able to be processed by this subsystem.

System Action: CICS produces a system dump and continues normally with data sharing without loss of data integrity.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the use of global commands is critical to your operations, consider restarting CICS. If their use is not critical, operations may be continued without loss of data integrity.

If the problem recurs and you cannot resolve it, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHDLG

XMEOUT Parameters: *date, time, applid*

DFHDL3926 *applid* DBRC subtask has abended.

Explanation: The DBRC subtask has abnormally terminated

System Action: The system is abnormally terminated with an MVS dump. The dump options are those specified for the DBRC subtask itself.

User Response: Use the supplied dump and any associated error messages to help determine the reason for the DBRC failure and correct it.

Note: DBRC processing runs under an MVS subtask that is attached at CICS initialization.

Destination: Console

Module: DFHDLR

XMEOUT Parameter: *applid*

DFHDL3927 *applid* Program DFHDLRP cannot be found

Explanation: DFHDLRP, the CICS program for DL/I restart, cannot be found. CICS cannot find DFHDLRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a system dump.

User Response: To correct this error, place DFHDLRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHDL3928 *applid* DL/I restart failed

Explanation: The CICS DL/I restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated itself with abend code ADLH.

System Action: CICS writes a transaction dump for the DL/I restart task.

CICS sends two messages to the console, one to identify the error detected by the DL/I restart task, and one, DFHDL3928, to say that the task has failed. A third message follows either message to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Destination: Console

Module: DFHDLRP

XMEOUT Parameter: *applid*

DFHDL3929 *applid* Program DFHDLBP cannot be found - DL/I databases cannot be backed out

Explanation: DFHDLBP, the CICS program for DL/I backout, cannot be found.

CICS cannot find DFHDLBP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a system dump.

User Response: To correct this error, place DFHDLBP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHDLRP

XMEOUT Parameter: *applid*

DFHDL3930 *applid* Dynamic allocation subtask has abended

Explanation: The dynamic allocation subtask has abnormally terminated.

System Action: CICS continues. Tasks that require dynamic allocation may hang.

User Response: This failure has occurred outside CICS.

Ensure that your IMS DFSMDA macros are correctly coded and check the MVS abend code in the dump for the failing subtask.

Destination: Console

Module: DFHDLR

XMEOUT Parameter: *applid*

DFHDL3932I *applid* Error in logging DL/I database

Explanation: The CICS DL/I interface issued a DFHJC request in order to write a record (or wait for a record to be written) to the system log. The request was rejected by DFHJCP.

System Action: The system is abnormally terminated with an MVS dump in order to preserve the integrity of the database subsystem.

User Response: Use the supplied dump and any associated error

messages to help determine the reason for the rejection of the DFHJC request and correct it.

Destination: Console

Module: DFHDLR

XMEOUT Parameter: *applid*

DFHDL3933 *date time applid* : Error on the CICS catalog during DL/I processing DDIR = *ddir* Function = *fn* return code = *rc*

Explanation: A severe error occurred using the CICS catalog.

fn identifies the function being performed at the time of the failure.

ddir identifies the DDIR entry being processed.

rr is the DFHDLX catalog return code as follows:

- 4 record not found
- 6 length error
- 8 record was replaced
- 12 invalid request
- 16 disaster
- 20 error occurred on disconnect

When *fn* = 10, a write error has occurred on the CICS catalog while writing an I/O toleration EEQE record.

When *fn* = 20, an error has occurred on the CICS catalog while deleting an I/O toleration EEQE record.

When *fn* = 3*x*, an error has occurred on the CICS catalog during I/O toleration EEQE restore processing, as follows:

- 31 start browse failed
- 32 get next failed
- 33 delete failed
- 34 end browse failed

When *fn* = 4*x*, an error has occurred on the CICS catalog while restoring DDIR status information, as follows:

- 41 purge failed
- 42 start browse failed
- 43 get next failed
- 44 delete failed
- 45 end browse failed

When *fn* = 50, an error has occurred on the CICS catalog while writing DDIR status information.

System Action: For function codes 31, 32, 33, and 34, the DL/I restart task ends abnormally with abend code ADLM. This may cause messages DFHSI1521 and DFHSI1522 to be issued. DL/I services will not be available.

For other function codes, CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify your system programmer. Refer to abend code, ADLM and to any associated error messages for further guidance on user action.

Destination: Console and Transient Data Queue CSMT

Module: Function codes 10 and 20 DFHDLR.

Other function codes DFHDLX.

XMEOUT Parameters: *date, time, applid, ddir, fn, rc*

DFHDL3934 *date time applid sysid* : No DDIR entry found for *dbname* during DL/I restart processing

Explanation: This message is displayed if a DDIR restart record is read from the CICS catalog and there is no matching entry in the DDIR table.

dbname is the name of the database.

System Action: The catalog record is deleted.

User Response: This message will occur if a DFHDLDBD entry for a database was deleted from the DDIR prior to this warm or emergency restart.

If the database was intended to be deleted then the message can be ignored.

If this is not the case, CICS initialization should be canceled if the database is critical.

Destination: Console

Module: DFHDLX

XMEOUT Parameters: *date, time, applid, sysid, dbname*

DFHDL3935 *applid* : No DDIR entry found for *dbname* but there are IMS EEQE records present on the CICS catalog

Explanation: This message is displayed if IMS I/O toleration records (EEQEs) are present for database *dbname* for which there is no matching DFHDLDBD entry in the DDIR table.

The EEQEs would have been created by prior I/O errors on the database.

System Action: Message DFHDL3936 is displayed asking if the EEQE records for this database should be deleted.

User Response: Refer to message DFHDL3936 for further information and guidance.

Destination: Console

Module: DFHDLX

XMEOUT Parameters: *applid, dbname*

DFHDL3936 *applid* Reply 'DELETE' or 'IGNORE'. Reply REPEAT to have the previous DFHDL3935 message repeated.

Explanation: This message is displayed after message DFHDL3935. Refer to message DFHDL3935 for background details.

System Action: A reply of either DELETE or IGNORE is expected. If the reply is 'DELETE', all EEQEs for database *dbname* in message DFHDL3935 are deleted.

If the reply is 'IGNORE', all EEQEs for database *dbname* in message DFHDL3935 are IGNORED and kept in the CICS catalog. Message DFHDL3935 recurs on the next CICS restart.

Any other reply causes message DFHDL3935 to be repeated.

User Response: Contact your system programmer.

A reply of either DELETE or IGNORE is expected. Reply 'DELETE' if the deletion of this database from the DDIR was intentional.

Reply 'IGNORE' in any other case.

Notes:

1. Database damage can occur if you reply 'DELETE' and then reinstall the DDIR on a subsequent CICS startup.
2. If you are unsure of the status of the database, reply 'IGNORE'. This causes the EEQEs for the database to be kept in the CICS catalog until the next CICS restart. Messages DFHDL3935 and DFHDL3936 are then repeated if the DDIR entry is still missing.
3. In any case, ensure that the proper recovery procedures have been run for the database.

Destination: Console**Module:** DFHDLX**XMEOUT Parameter:** *applid***DFHDL3937** *date time applid* : The I/O error limit (DLIOLIM) has been exceeded for data base: *dbdname*. Database will be stopped.**Explanation:** The number of I/O errors for database *dbdname* has exceeded the DLIOLIM value that was specified in the DFHSIT table.**System Action:** Database *dbdname* will be stopped after all IMS activity to it has completed.**User Response:** Perform the installations forward recovery procedures on the database.**Destination:** Console and Transient Data Queue CSMT**Module:** DFHDLR**XMEOUT Parameters:** *date, time, applid, dbdname***DFHDL3938** *date time applid sysid* : An invalid delete EEQE request was received for DL/I data base *dbdname*. Data base will be stopped.**Explanation:** IMS I/O toleration processing issued a request to delete an existing "write type" EEQE.

This message is produced when DFHDLR cannot find the EEQE to be deleted on the CICS catalog.

dbdname is the name of the database.

This message can be triggered if the CICS catalog was initialized between CICS starts.

System Action: The database is stopped after all IMS activity to it has completed.**User Response:** The database can be restarted if:

1. The database had been recovered prior to this CICS execution
2. DBRC is in use and this CICS execution was **not** an emergency restart.

If neither of these conditions is met then the installations forward recovery procedures **must** be performed on the database.**Destination:** Console and Transient Data Queue CSMT**Module:** DFHDLR**XMEOUT Parameters:** *date, time, applid, sysid, dbdname***DFHDL3939** *applid* : Unable to notify DBRC of logging activity. CICS is forced to abend, RC = *rc***Explanation:** CICS has made a system log switch but is unable to notify DBRC of the change. CICS instead receives a nonzero return code from DBRC.**System Action:** CICS is abended to maintain DATA integrity.**User Response:** Check the return code in the *IMS Messages and Codes* manual, and take appropriate action.**Destination:** Console**Module:** DFHDLX**XMEOUT Parameters:** *applid, rc***DFHDL3940I** *applid* System log BUFSIZE raised to 1100 for DL/I.**Explanation:** This is an informational message indicating that the system log buffer size has been increased to accommodate large records that are written by IMS.**System Action:** System initialization continues.**User Response:** None**Destination:** Console**Module:** DFHDLQ**XMEOUT Parameter:** *applid***DFHDL3941** *applid* Signon to DBRC with APPLID *applid* failed. RC = *rr* CICS is terminated.**Explanation:** CICS has tried to sign on to DBRC following a successful takeover. However, the attempt was rejected. *applid* is the CICS generic applid that is passed to DBRC. RC = *rr* indicates the return code from IMS module DFSPCCC0.**System Action:** CICS is abnormally terminated with abend code 3941.**User Response:** See the *IMS Messages and Codes* manual for an explanation of the IMS return code. Correct the error, or restart without DL/I.**Destination:** Console**Module:** DFHDLQ**XMEOUT Parameters:** *applid, applid, rr***DFHDL3942** *applid* Error in logging DL/I data base**Explanation:** An attempt has been made by IMS/VS to perform DL/I logging during CICS initialization **before** the CICS logging facility is available. This may have been caused by an invalid option being specified by the user. For example, the DLMON option (requesting DL/I DB Monitor) requires that the user provides a DD card with the DD name of IMSMON to receive monitor output; if this DD card is omitted, IMS attempts to write to the log, resulting in message DFHDL3942.**System Action:** The system is abnormally terminated with an MVS dump.**User Response:** Check whether DLMON has been specified without the requisite IMSMON DD card (see above). If no error is found, you will need further assistance from IBM to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.**Destination:** Console**Module:** DFHDLR

XMEOUT Parameter: *applid*

DFHDL3943 *applid* Abend has been detected while holding data base lock. CICS will be terminated.

Explanation: An abend has occurred during the scheduling of an IMS PSB, while CICS was holding the IMS block mover latch. IMS data integrity could not be maintained if CICS were to continue processing.

System Action: CICS terminates abnormally to maintain the integrity of the database system and produces a dump.

User Response: Use the messages and the dump to determine the cause of the failure.

Destination: Console

Module: DFHDLILP

XMEOUT Parameter: *applid*

DFHDL3944I W *applid* : DL/I Segment Intent Scheduling was requested but is not supported. DL/I Program Isolation Scheduling will be used.

Explanation: PISCHD=NO was specified either as a system initialization parameter. However, CICS was generated for an IMS/ESA release which does not support DL/I segment intent scheduling.

System Action: CICS initialization continues, but DL/I program isolation scheduling is used when an IMS database is accessed.

User Response: To prevent this message being issued during future CICS initializations, specify PISCHD=YES as a system initialization parameter.

For information about the PISCHD system initialization parameter see the *CICS/ESA System Definition Guide*.

Destination: Console

Module: DFHDLQ

XMEOUT Parameter: *applid*

DFHDL3945 *applid* Local PSBs exist but there are no DBDs.

Explanation: The PDIR specified in the SIT contains local PSBs (program specification blocks) but the DDIR specified in the SIT contains no DBD (database description) entries.

System Action: CICS suppresses the initialization of IMS. All schedule requests for PSBs are assumed to be remote only.

User Response: Check the DDIR and PDIR table generation. Either the PDIR should contain remote entries only, or the DDIR should contain DBD entries. Ensure the correct table suffixes have been specified in the SIT (or SIT overrides).

Destination: Console

Module: DFHDLQ

XMEOUT Parameter: *applid*

DFHDMxxxx messages

DFHDM0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in the module *modname*. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or something else and may give you some guidance concerning user response.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMMDM, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDM0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or, this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in the CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMMDM, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, X'code', modname*

DFHDM0003 *applid* **Insufficient storage to satisfy GETMAIN (code X'code') in module modname.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16Mb line.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMMDM and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Try increasing the size limits of the DSAs or EDSAs. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHDMMDM, DFHDMIQ, DFHDMWQ

XMEOUT Parameters: *applid, X'code', modname*

DFHDM0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in

milliseconds). This means that the module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMMDM, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, X'offset', modname*

DFHDM0005 *applid* **A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMMDM, DFHDMWQ, DFHDMDS

XMEOUT Parameters: *applid, modname, X'code'*

DFHDM0101I *applid* **CICS is initializing.**

Explanation: This message is for information only.

CICS initialization has started. The domain (DM) manager is about to attach an initialization task for each domain defined in the local CICS catalog, DFHLCD.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDMMDM

XMEOUT Parameter: *applid*

DFHDM01021 *applid* CICS is quiescing.

Explanation: This message is for information only.

The controlled shutdown of CICS has started. The domain (DM) manager is about to attach a quiesce task for each CICS component.

System Action: Processing continues.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHDMDM

XMEOUT Parameter: *applid*

DFHDM0103 *applid* Unsuccessful quiesce of domain domain. CICS will terminate.

Explanation: A domain has failed to quiesce.

System Action: CICS terminates. An exception trace and a dump are issued by the domain in error.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDS

XMEOUT Parameters: *applid, domain*

DFHDM0104 *applid* Unsuccessful load of program domain. CICS will terminate.

Explanation: The domain (DM) manager has called the loader to load a program for an initialization task but the load has failed. The module is missing from the DFHRPL concatenation, possibly because the SDFHLOAD is missing. Alternatively, if the module name given in the message is not a legitimate CICS module, the CICS catalog could be corrupted.

System Action:

APAR PQ26111

CICS terminates. A system dump with dump code DM0006 is taken unless you have suppressed dumps in the dump table.

An exception trace is issued by the domain manager. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDM

XMEOUT Parameters: *applid, domain*

DFHDM0105 *applid* Unsuccessful initialization of domain domain. CICS will terminate.

Explanation: A domain has failed to initialize.

System Action: CICS terminates.

| Diagnostics are issued by the domain in error. Message DFHME0116 is normally produced containing the symptom string for this problem.

| **User Response:** Review the diagnostics and take remedial action for any installation-related problems. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDS

XMEOUT Parameters: *applid, domain*

DFHDM0106 *applid* The Domain Manager records on the CICS Catalog may have been corrupted.

Explanation: A problem was detected when calling the CICS catalog to browse the domain (DM) manager records. For example, the domain manager records may not be present. This message may follow message DFHDM0002.

System Action: This is a critical error and CICS terminates, even if you have specified in the dump table that CICS should not terminate.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Try reinitializing the local CICS catalog, DFHLCD, using DFHCCUTL, and cold start CICS.

| If this does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDM

XMEOUT Parameter: *applid*

+ APAR PN85196

+ DFHDM0107 removed

DFHDSxxxx messages.**DFHDS0001** *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

1. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
2. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
3. If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
4. If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSM, DFHSDS2, DFHSDS3, DFHSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDS0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, see the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. If *code* is *X'0056'*, CICS takes a kernel domain system dump, which is not suppressible. Otherwise CICS takes a normal system dump, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action taken depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSM, DFHSDS2, DFHSDS3, DFHSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid, X'code', modname*

DFHDS0003 *applid* Insufficient storage (code *X'code'*) in module *modname*.

Explanation: A CICS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the overall size limits of the DSAs or EDSAs. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDSBR

XMEOUT Parameters: *applid, X'code', modname*

DFHDS0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *module* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSDM, DFHSDSDS2, DFHSDSDS3, DFHSDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid*, *X'offset'*, *modname*

DFHDS0005 *applid* A hardware error has occurred (code *X'code'*, module *modname*). The Time-of-Day clock is invalid.

Explanation: A hardware error has occurred during the running of module *module*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDSTCB

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHDS0006 *applid* Insufficient storage to satisfy GETMAIN (code *X'code'*) in module *modname*. MVS code *mvscode*.

Explanation: An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

This error may occur either above or below the 16M line. This depends on context.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHSDSDM, DFHSDSDS2, DFHDSSR

XMEOUT Parameters: *applid*, *X'code'*, *modname*, *mvscode*

DFHDS0101 *applid* Dispatcher cannot enable the CICS post exit.

Explanation: The dispatcher has been unable to gain authorization to enable the CICS post exit. This is probably because the CICS SVC number has been defined incorrectly in the SIT.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check to see whether the CICS SVC number has been defined correctly in the SIT and the SIT overrides.

Check that the SVC and other code has been correctly installed as described in the *CICS/ESA Installation Guide*. In particular, ensure that the CICS post-exit stub (DFHDSPEX) is in the LPA.

Destination: Console

Module: DFHDSMD

XMEOUT Parameter: *applid*

DFHDXxxx messages**DFHDX0001** *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table.

For module DFHDXDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDXDTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

For module DFHDXDU, a system dump is taken. This dump cannot be suppressed.

CICS processing continues.

For other modules, a system dump is taken.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If the abend occurred in modules DFHDXDT or DFHDXDTM, the dump table is not available. Therefore, any EXEC API commands relating to dump codes fail and any dumps taken are processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDXDT, DFHDXDTM, DFHDXDU, DFHDXD, DFHDXIO, DFHDXSU, DFHDXW, DFHPCXDF, DFHSAXDF, DFHDLXDF, DFHDXDF, DFHXRDF, DFHTCXDF, DFHTRDF, DFHFCXDF

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDX0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table.

For module DFHDXDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you've specified in the dump table that CICS should terminate.

For module DFHDXDTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If the error occurred in modules DFHDUDT or DFHDUTM, the dump table may not be available. Therefore, any EXEC API commands relating to dump codes may fail and any dumps taken may be processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDUDT, DFHDUTM

XMEOUT Parameters: *applid, X'code', modname*

DFHDU0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDUDT, DFHDUTM, DFHDUXD, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSAXDF, DFHDLXDF, DFHXDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF

XMEOUT Parameters: *applid, X'offset', modname*

DFHDU0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.**

Explanation: An MVS GETMAIN was issued module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message) and a system dump is taken. This dump cannot be suppressed. CICS processing continues.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

As the problem is in module DFHDUTM, EXEC API commands for browsing the dump tables may not work, or additions to the dump tables may not work.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you need to bring CICS down to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUTM

DFHDU0102 *applid* **DFHDUIO could not be loaded. Transaction dump is inoperative.**

Explanation: CICS could not locate module DFHDUIO during initialization.

System Action: An exception trace entry is produced, and CICS continues with the transaction dump facility inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the exception trace entry and any other relevant messages to determine why module DFHDUIO was not available.

Destination: Console

Module: DFHDUDM

XMEOUT Parameter: *applid*

DFHDU0103 *applid* An abend has occurred during initialization of dump domain in module DFHDUDM.**Explanation:** A dump domain has failed to initialize.**System Action:** CICS terminates.

An exception trace and a kernel dump are issued by the dump domain. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console**Module:** DFHDUDU**XMEOUT Parameter:** *applid***DFHDU0201** *applid* About to take SDUMP. Dumpcode: *dumpcode*, Dumpid: *dumpid*.

Explanation: An error, possibly signalled by a previous message, has caused a call to the CICS dump (DU) domain. Dump domain will issue this message immediately before calling the MVS SDUMP facility if the following conditions are satisfied:

- The SIT option, DUMP=YES, for SDUMPS has been specified.
- The dump table entry for dump code *dumpcode* specifies that a system SDUMP is required.
- The maximum dump limit for this dump code in the dump table entry has not been exceeded.
- The user exit XDUREQ does not suppress the taking of this dump.

The dump code *dumpcode* is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

The dumpid *dumpid* is the unique 9-character string identifying this dump.

System Action: When the dump is complete, message number DFHDU0202 is issued.

User Response: Inform the system programmer, who should refer to the CICS message indicated by *dumpcode* to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console**Module:** DFHDUDU**DFHDU0202** *applid* SDUMP complete.

Explanation: This message is issued on successful completion of an SDUMP.

System Action: Processing continues unless a CICS shutdown is requested by either the dump table entry for this dump or the dump call to the dump (DU) domain.

User Response: Print off the system dump if required. A previous MVS message identifies in which SYS1.DUMP data set this dump can be found.

Note: This message cannot be changed with the message editing utility.

Destination: Console**Module:** DFHDUDU**DFHDU0203I** *date time applid* A transaction dump was taken for dumpcode: *dumpcode*, Dumpid: *dumpid*.

Explanation: A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has taken a transaction dump.

- + The dump code *dumpcode* is normally the 4-character CICS transaction abend code, if the dump was requested as the result of
- + a transaction abend (see "CICS abend codes" on page 516). It
- + may also be the value of the DUMPCODE operand on an EXEC
- + CICS DUMP TRANSACTION request. For more information of
- + transaction dump codes, see Chapter 3, "Transaction Dump
- + Codes" on page 637.

The dump ID *dumpid* is the unique 9-character string identifying this dump

System Action: A transaction dump is written to the current CICS dump data set, either DFHDMPA or DFHDMPB.

CICS may terminate if the dump table entry for the specified abend code specifically requests it.

User Response: Print off the transaction dump if required.

Destination: CDUL**Module:** DFHDUDU**XMEOUT Parameters:** *date, time, applid, dumpcode, dumpid***DFHDU0205** *applid* A system dump for dumpcode: *dumpcode* was suppressed by the *reason*.

Explanation: An error, possibly signalled by a previous message, has caused a call to the CICS (DU) dump domain, which failed to take a system dump for reason *reason*. Reason *reason* indicates what has caused dump suppression.

- The XDUREQ user exit.
- The dump table option for dump code *dumpcode*.
- The global system dump suppression option.

The dump code *dumpcode* is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

System Action: A system dump is not produced. However, CICS will be terminated if the dump table entry for this dump code or the caller of the dump domain requests CICS termination.

User Response: If a system dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program not to suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code *dumpcode*.
- If the global system dump suppression option has suppressed the dump, specify DUMP=YES on the SIT to allow future system dumps to be taken.

Note: This message cannot be changed with the message editing utility.

Destination: Console**Module:** DFHDUDU

DFHDU0206I *date time applid* A transaction dump for dumpcode: *dumpcode* was suppressed by the *reason*.

Explanation: A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump for the reason *reason*. Reasons *reason* indicates the reason for dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code *dumpcode* is the 4-character CICS transaction abend code.

System Action: A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

User Response: If a transaction dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit, XDUREQ, has suppressed the dump, either inactivate this exit, or as a more permanent measure, change the user exit program so that it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code *dumpcode*.

Destination: CDUL

Module: DFHDUDU

XMEOUT Parameters: *date, time, applid, dumpcode, reason*

DFHDU0207I *date time applid* Transaction and system dumps for dumpcode: *dumpcode* were suppressed by the *reason*.

Explanation: A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump nor a system dump for reason *reason*. Reasons *reason* indicates what caused dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code *dumpcode* is the 4-character CICS transaction abend code.

System Action: Neither a transaction nor a system dump is produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

User Response: If a transaction dump and/or a system dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message:

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or, as a more permanent measure change, the user exit program so it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for this dump code.

Destination: CDUL

Module: DFHDUDU

XMEOUT Parameters: *date, time, applid, dumpcode, reason*

DFHDU0208 *applid* SDUMP busy - CICS will retry in five seconds.

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A non-zero value for the DURETRY parameter on the SIT means that CICS is waiting for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMER macro which caused CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS will delay and retry every five seconds for a total time equal to the number of seconds specified on the DURETRY SIT parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0209 *applid* Retrying SDUMP.

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHDU0208) and is now about to reissue the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0210 *applid* SDUMPX REQUEST FAILED - *reason*.

Explanation: An MVS SDUMPX request from CICS signalled by message DFHDU0201 has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.

The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY

At the time of the MVS SDUMPX request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the DURETRY SIT parameter, CICS retries the SDUMPX request every five seconds for the specified period. This message is only issued if SDUMPX is still busy after the final retry.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE

No SYS1.DUMP data sets were available at the time the SDUMPX request was issued.

SDUMPX RETURN CODE X'nn' REASON = X'mm'

MVS has rejected the SDUMPX request for some other reason than those listed above. X'nn' gives the SDUMPX return code and X'mm' gives the SDUMPX reason code.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMPX after an SDUMPX BUSY condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NOT AUTHORIZED IN CICS

SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUSVC FESTAE FAILED

CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMPX request. The FESTAE has been rejected by MVS.

IWMWQWRK RETURN CODE X'xx' REASON X'yy' REMOTE DUMPS NOT TAKEN

CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request for dumps of related CICS systems. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. In this case CICS was unable to dump related CICS address spaces but has attempted to dump the local address space.

DFHDUSVC INVALID PROBDDESC

The SDUMPX PROBDDESC parameters, created by DFHDUSVC, contain invalid data.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (*reason*), for the failure.

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.

See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMPX return code X'nn'. Use MVS problem determination methods to determine why a partial dump was taken.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY

Cause the SDUMP to be reissued after, if appropriate, increasing the value of the DURETRY system initialization parameter. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE

Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'

No action is required if the dump was suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language*

Programs for an explanation of the SDUMPX return code X'nn' and reason code X'mm'

STIMERM FAILED

Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NOT AUTHORIZED IN CICS

This reason is unlikely to occur because SDUMPX is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFGB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUSVC FESTAE FAILED

Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the FESTAE macro.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'.

CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. See the *MVS/ESA Application Development Macro Reference* for an explanation of the return and reason codes.

DFHDUSVC INVALID PROBDDESC

The SDUMPX PROBDDESC parameters, created by DFHDUSVC during the processing of the SDUMPX request, are invalid. The PROBDDESC parameters have probably been accidentally overwritten.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0211 *applid* THE XDUREQ USER EXIT IS NOT CALLED FOR DUMPCODE *dumPCODE*.

Explanation: Because of a severe system error, the XDUREQ user exit (which allows you to suppress system dumps) has not been called for system dump *dumPCODE*.

System Action: The XDUREQ user exit is not called.

DFHDU0211 is followed either by message DFHDU0201, indicating that dump *dumPCODE* was taken, or by message DFHDU0205, indicating that dump *dumPCODE* was suppressed. Message DFHDU0201 or DFHDU0205 is followed by message DFHDU0309 if CICS terminates.

The XDUREQ user exit is called for subsequent system dumps.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0212 *applid* Requested transaction dump code *dumpcode* is invalid.

Explanation: A requested transaction dump code has unprintable characters, or has leading or imbedded blanks.

System Action: A transaction dump is produced unless suppressed by the user exit XDUREQ. However, no dump statistics are committed. The transaction dump is complete when message DFHDU0203 is issued. The invalid dump code is shown in dump domain (DU) trace points X'0600' and X'0601'.

User Response: Print off the transaction dump and determine how an abend or EXEC CICS request was issued with an invalid dump code.

Destination: Console

Module: DFHDUDU

XMEOUT Parameters: *applid, dumpcode*

DFHDU0213 REMOTE SDUMPX REQUEST FAILED - *reason*.

Explanation: A remote MVS SDUMPX request from CICS has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.

DFHDUMPX must run in the MASTER address space. CICS stops processing the remote SDUMPX request if it detects that DFHDUMPX is running in another address space.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.

The MVS IWMWQWRK service found no CICS address spaces with work relating to the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.

CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with a warning return code.

IWMWQWRK FAILED WITH AN ERROR.

CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with an error return code.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.

DFHDUMPX is invoked by MVS under the IEASDUMP.QUERY exit. If MVS does not supply the SDUMPX PROBDESC parameters then DFHDUMPX is unable to determine whether a remote dump should be taken or suppressed.

DFHDUMPX RECOVERY ROUTINE ENTERED

An abnormal end (abend) or program check has occurred in DFHDUMPX. This implies that there is an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

CICS adds diagnostic data to the MVS SDWA and makes an entry in SYS1.LOGREC.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (*reason*), for the failure.

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.

Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.

This reason is unlikely to occur because CICS requests that the MVS CSVDYNEX service adds DFHDUMPX as an IEASDUMP.QUERY exit in the MASTER address space.

If you do get this reason, there was probably an error during CICS initialization.

Notify the system programmer.

You will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.

This is unlikely to be an error. DFHDUMPX is invoked on all the MVS images in a SYSPLEX for a remote SDUMPX request. Some of the images may not have any CICS address spaces with work relating to the CICS system which originated the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the *MVS/ESA Application Development Macro Reference* for an explanation of the IWMWQWRK return code and reason.

IWMWQWRK FAILED WITH AN ERROR.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the *MVS/ESA Application Development Macro Reference* for an explanation of the IWMWQWRK return code and reason.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED

Ensure sufficient storage is available to MVS for subpool 253 requests.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.

This is an error if the remote SDUMPX request was made by CICS for a system dumpcode which included the RELATED option, or if the operator entered a remote SDUMPX request which included PROBDESC parameters.

A GTF trace may aid in problem diagnosis.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

DFHDUMPX RECOVERY ROUTINE ENTERED

Notify the system programmer.

To resolve the problem, collect any data from

SYS1.LOGREC, any dumps and any relevant messages. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0214 DFHDUMPX IS ABOUT TO REQUEST A REMOTE SDUMP.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if the following conditions are satisfied:

- a dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found related CICS work on this MVS image or
- the operator requested remote dumps from the console, including the CICS DFHJOB keyword in the MVS PROBDISC parameters, and DFHDUMPX has found CICS jobs on this MVS image which match the DFHJOB data.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0215 DFHDUMPX IS ABOUT TO SUPPRESS A REMOTE SDUMPX.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if it has found that a remote dump should be suppressed.

The remote dump is suppressed under the following conditions:

- A dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found no related CICS work on this MVS image or
- The operator requested remote dumps from the console, including the CICS DFHJOB keyword in the MVS PROBDISC parameters, and DFHDUMPX has found no CICS jobs on this MVS image which match the DFHJOB data.

The remote dump is also suppressed if an error occurred during the DFHDUMPX processing. Look for a previous DFHDU0213 message to find the reason for the error.

System Action: Processing continues.

User Response: To determine whether action is necessary refer to any DFHDU0213 message preceding this one.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0216 PROBDISC DOES NOT CONTAIN CICS DATA.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message if it has found that the SDUMPX PROBDISC parameters do not contain CICS data. It is probable that this is not an error and that the remote dump was requested by a product other than CICS. However, if you were expecting a CICS remote dump it could be that the PROBDISC parameters were accidentally overwritten.

System Action: DFHDUMPX will request that MVS suppresses the remote dump and then processing continues.

User Response: You need to take the action only if you were expecting a remote CICS dump.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0302I *applid* Transaction Dump Data set *dataset* to be closed due to *text-descr*

Explanation: This message is output when attempting to write a record to the transaction dump data set. *text-descr* is one of the following:

- DCB ABEND
- TASK TIMEOUT
- TASK CANCEL

System Action: None unless *text-descr* is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

User Response: Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

Destination: Console

Module: DFHDUIO

XMEOUT Parameters: *applid*, *dataset*, *text-descr*

DFHDU0303I *applid* Transaction Dump Data set *dataset* closed.

Explanation: This message is issued in one of the following situations:

- A request to close the dump data set is issued by the operator.
- The CICS system is shut down.
- A request to switch between dump data sets is issued by the operator.
- A transaction dump data set becomes full.

The insert *dataset* indicates the name of the data set being closed.

System Action: Processing continues.

If autoswitching of the transaction dump data set is not active, the transaction dump environment is available only if the XDUOUT user-exit is active.

If autoswitching is enabled, this message is followed by DFHDU0304 and DFHDU0305 to indicate that the data set switch is successful.

If the switch is unsuccessful, this message is followed by DFHDU0306.

User Response: None.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, dataset*

DFHDU0304I *applid* Transaction Dump Data set *dataset* opened.

Explanation: This message is output when any of the following situations occur:

- A request to open the dump data set is issued by the operator.
- The CICS system is brought up.
- A request to switch between dump data sets is issued by the operator.
- Automatic switching between dump data sets is being performed.

dataset in the message indicates the name of the data set being opened.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, dataset*

DFHDU0305I *applid* Transaction Dump Data set switched to *ddname*

Explanation: This message is issued when one of the following situations occurs:

- A command is issued by the operator to switch dump data sets.
- Automatic switching is being performed between dump data sets due to a dump data set being full.

This message is always preceded by message DFHDU0304 and also, if the old dump data set was open, by message DFHDU0303.

ddname in the message indicates the ddname of the active transaction dump data set (either DFHDMPA or DFHDMPB).

System Action: Processing continues.

User Response: Print or copy the completed dump data set, and if required, reissue the command CEMT SET DUMP AUTO.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, ddname*

DFHDU0306I *applid* Unable to open Transaction Dump Data set *dataset - text-descr*

Explanation: This message occurs when attempting to open a transaction dump data set.

text-descr is one of:

OPEN ERROR An attempt was made to open the dump data set, and an abend exit was invoked. This condition is usually accompanied by MVS system messages.

INSUFFICIENT STORAGE An MVS GETMAIN was issued to obtain storage below the 16MB line. This request was unsuccessful.

System Action: An exception entry is made in the trace table.

In both cases, the transaction dump data set is not open, and unless the XDUOUT exit is active, the transaction dump is inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any associated MVS messages for further guidance.

Destination: Console

Module: DFHDUIO

XMEOUT Parameters: *applid, dataset, text-descr*

DFHDU0307I *applid* Module DFHDUIO is unavailable. Transaction dump is inoperative.

Explanation: This message is issued either when an attempt is made to open or close a dump data set, or when switching between dump data sets, to remind the user that CICS could not locate module DFHDUIO during initialization. CICS will have issued message DFHDU0102 during initialization to warn the user of this condition.

System Action: CICS continues with the transaction dump facility inoperative.

User Response: If necessary, refer to the user response for message DFHDU0102.

Destination: Console

Module: DFHDUSU

XMEOUT Parameter: *applid*

DFHDU0308I *applid* CICS will terminate because the Dump Table entry for the transaction dump code: *dumrcode* specifies shutdown.

Explanation: This message is issued when a transaction dump has been requested for the transaction dump code *dumrcode* and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a transaction dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Process any transaction dump in the normal way.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for *dumrcode* was explicitly defined, it can be modified to prevent CICS from terminating, if desired, using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold start, CICS does not restore the dump table from the catalog.

Destination: Console

Module: DFHDUDU

XMEOUT Parameters: *applid, dumrcode*

DFHDU0309I applid CICS will terminate because the Dump Table entry for the system dump code: *dumpcode* specifies shutdown.

Explanation: This message is issued when a system dump has been requested for the system dump code *dumpcode* and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a system dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Print off any system dump if required.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for *dumpcode* was explicitly defined, it can be modified to prevent CICS from terminating using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold start, CICS does not restore the dump table from the catalog.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU1601 DATA SET READ ERROR.

Explanation: The access method has indicated a read error. The dump data set may not have been opened during the most recent CICS execution.

System Action: The record is skipped.

User Response: Either ensure that the JCL is correct, or determine the reason for the read errors.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU410

DFHDU1602 36 CONSECUTIVE UNIDENTIFIABLE RECORDS, DUMP UTILITY TERMINATED.

Explanation: An identification record has an incorrect code or format. The most common reasons for this error include the following.

- The wrong data set is being processed.
- The dump data set that the utility is trying to process has not been used in the current CICS execution.

In the latter case, the error would arise because no dumps were produced in the current execution or because the data sets had been switched.

System Action: Records are skipped and execution is terminated with a return code of 8.

User Response: Ensure that the correct data set is being processed. Alternatively, check for a possible error in the dump control program, DFHDSCP.

If two dump data sets are being used, check that the data set being processed has been used before in the current CICS execution.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU410

DFHDU1603 NO {DUMP | PRINT} DATA SET DD CARD {DFHDMPDS | DFHPRINT}, DUMP UTILITY TERMINATED.

Explanation: A dump or a print data set was not successfully opened.

System Action: If it was a dump data set that failed to open successfully, the system prints the message on the print data set and terminates execution with a return code of 12.

If it was the print data set that failed to open successfully, the system terminates execution with a return code of 16.

User Response: If the JCL is correct with the stated ddnames as in the message, determine why the data set cannot be opened. The return codes are issued by DFHDU410. They only identify whether a dump or print data set failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU410

DFHDU1604 END OF FILE ENCOUNTERED, LAST DUMP MAY BE INCOMPLETE.

Explanation: The dump data set has been filled.

System Action: The dump utility program DFHDU410 terminates.

User Response: Check that the dump is complete and that no incomplete message is at the end of it. If there is an incomplete message at the end of the dump, the last dump in the data set may not contain all the information required. You should recreate the problem to try and get a complete dump. If dump data set auto-switching was active at the time the dump was taken, a complete version of the dump is present on the alternate dump data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHDU410

DFHDU1609 36 CONSECUTIVE INVALID READ ERRORS. DUMP UTILITY TERMINATED.

Explanation: The access method has indicated 36 consecutive invalid records in the dump data set. The most probable cause of this problem is an invalid end-of-file marker which caused the access method to attempt to read beyond the last record in the data set. This problem may also have been caused if:

- DFHDU410 has been run with a data set that has never been accessed by CICS before. The data set may contain an invalid type of record format.
- DFHDU410 has been run with a data set that has been copied with the wrong block size and record format.

System Action: The dump utility execution is terminated with a return code of 8 from DFHDU410.

User Response: Determine and correct the reason for the access failure. Recreate the dump if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU410

+ **DFHDU1610 DUMP FORMATTING HAS ENCOUNTERED AN INVALID TRACE BLOCK. TRACE ENTRIES MAY BE LOST.**

+ **Explanation:** The dump utility program, DFHDU410, has detected an error while copying trace records from the trace data set. Trace records may be omitted from the formatted output.

+ **System Action:** DFHDU410 attempts to read the next trace block and continues formatting trace records.

+ **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** SYSPRINT

+ **Module:** DFHDU410

+ **DFHDU1611 FILE ERROR, FULL TRACE FAILED. DUMP FORMATTING WILL CONTINUE WITH ABBREVIATED TRACE.**

+ **Explanation:** Due to an error in the MVS NOTE macro, the dump utility program, DFHDU410, was unable to note the position on the data set at which the trace data started. It is therefore not possible to return to the start of the trace data after the abbreviated trace has been formatted in order to print the trace with format FULL.

+ **System Action:** Transaction dump formatting continues with only abbreviated trace for this dump.

+ **User Response:** If only the full trace is required, rerun the DFHDU410 job with the NOABBREV parameter. Otherwise attempt to recreate the dump. If the problems recurs, you will need assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** SYSPRINT

+ **Module:** DFHDU410

DFHDXxxxx messages

| **DFHDX8300I *applid* GETMAIN REQUEST FAILED. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

| **Explanation:** The CICS system, with specific applid given, was unable to obtain working storage to control the sequencing of DBCTL connection attempts defined in the RST. (Recovery Service Table).

| **System Action:** CICS attempts to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

| **User Response:** The working storage can be above the 16MB line so the GETMAIN request is unlikely to fail for genuine lack of space. If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHDXAX

| **DFHDX8301I *applid* LOAD REQUEST FAILED FOR *rstname*. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

| **Explanation:** The CICS system, with the specific applid given, was unable to load the RST *rstname* while looking for the names of alternative DBCTL subsystems to which to connect.

| **System Action:** CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

| **User Response:** Check that the RST suffix in the SIT is correct and that the RST is actually present in the authorized library.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHDXAX

| **DFHDX8302I *applid* VALIDATION FAILED FOR *rstname*. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

| **Explanation:** The CICS system, with the specific applid given, found that the RST *rstname* was invalid.

| It is unable to use it to look for the names of alternative DBCTL subsystems to which to connect.

| **System Action:** CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

| **User Response:** Check that the RST suffix in the SIT is correct and that the RST has been correctly prepared using the DFHRST macro that is supplied as part of the CICS product.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHDXAX

| **DFHDX8303 *applid* DELETE REQUEST FAILED FOR *rstname*.**

| **Explanation:** The CICS system, with the specific applid given, was unable to delete the RST *rstname* after completing an attempt to connect to a DBCTL subsystem.

| **System Action:** CICS continues normally.

| **User Response:** If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHDXAX

| **DFHDX8304 *applid* CICS/DBCTL RECONNECTION IN PROGRESS.**

| **Explanation:** This message occurs in an XRF environment only. It occurs when CICS attempts to connect to DBCTL but believes that DBCTL is restarting.

| The message is displayed two minutes after the attempted connection, and then after each subsequent minute.

| **System Action:** CICS continues to attempt to reconnect.

| **User Response:** Check why DBCTL is not restarting. You can cancel the connection using the CDBC transaction.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

Module: DFHDXAX

DFHDX8309 *applid* Unable to detach subtask during CICS termination.

Explanation: CICS has detected that a subtask, attached during CICS XRF support of DBCTL, cannot be detached during CICS termination.

System Action: CICS abends with code A03.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: None. This abend occurs as a result of a previous error. Check for earlier DFHDX832x, DFHDX833x, or DFHDX834x error messages for further information and guidance.

Destination: Console

Module: DFHAPDM

XMEOUT Parameter: *applid*

DFHDX8310I *applid* Initiating catch-up tasks.

Explanation: The catch-up transaction, CXCU, has received control.

System Action: The catch-up transaction is about to initiate the catch-up tasks for specific functional areas.

User Response: None. This is simply a "work is in progress" message. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8311I *applid* System initialized with XRF=NO. Catch-up transaction CXCU took no action.

Explanation: The catch-up transaction, CXCU, was invoked but the CICS system specified XRF=NO. Catchup functions are not relevant.

System Action: The catch-up transaction terminates normally without taking any action.

User Response: None.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8312I *applid* Catch-up transaction failed to run program *progrname*. Catch-up is incomplete.

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific *applid* given, was unable to call the specific catch-up service routine *progrname*. This may be either DFHDXCU (DBCTL catch-up) or DFHZXCU (terminal catch-up).

System Action: The catch-up associated with routine *progrname* is not performed.

The active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists check that the routine *progrname* is present in the load library.

Destination: Console

Module: DFHCXCU

XMEOUT Parameters: *applid*, *progrname*

DFHDX8313I *applid* Catch-up transaction failed.

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific *applid* given, has failed. CXCU runs either in response to a transaction request from an end-user, or automatically by an active CICS system in response to the appearance of an alternate CICS system. Its purpose is to inform the alternate of the active's state regarding terminals and DBCTL connection.

System Action: The CXCU transaction abends with a dump and transaction abend code ACXA.

Both active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover. For example, terminal backup sessions may not be established.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists diagnose problem from the dump.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8315I *applid* XRF DBCTL state catch-up starting.

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been started on the CICS system with specific *applid* named.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8316I *applid* XRF DBCTL state catch-up ending.

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been completed on the CICS system with specific *applid* given.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8317I *applid* XRF DBCTL state catch-up ignored for reason *nn*.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific *applid*.

Although this system has DL/I installed, and an RST has been specified in the SIT, catch-up for DBCTL has proved unnecessary for reason *nn*, where *nn* may be one of the following.

Reason Meaning

01 DBCTL has not been used yet.

02 XRF DBCTL has not been used yet.

- 03 There is no connection state information to send.
 04 The system is running with XRF=NO.
 05 There is no alternate CICS to which to send state data.

System Action: None. No catch-up is needed.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid, nn*

DFHDX8318I *applid* XRF DBCTL state catch-up failed for reason *nn*.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific *applid*.

The transaction has failed for reason *nn*, where *nn* may be one of the following.

Reason Meaning

- | | |
|----|--|
| 01 | The CAVM message service returned an unidentifiable return code. |
| 02 | The CAVM message service returned an unexpected exception return code. |
| 03 | The CAVM message service returned an unexpected failure reason code. |

System Action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXB.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check for any other messages relating to CAVM data set problems for further information and guidance.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid, nn*

DFHDX8319I *applid* XRF DBCTL state catch-up failed.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific *applid*.

The transaction has failed.

System Action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXA.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Diagnose the error from the dump.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8320I *applid* DBCTL Restart processing completed after DBCTL failure.

Explanation: The user exit XXDFA requested a restart of DBCTL. The restart was initiated successfully.

System Action: The active CICS continues normally and will attempt to reconnect to DBCTL.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8321 *applid* Unable to determine JES affiliation of DBCTL subsystem for reason X'*nn*'.

Explanation: CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

nn may be one of the following.

***nn* Meaning**

- | | |
|-------|----------------------|
| X'09' | MVS GETMAIN failure. |
| X'10' | MVS ATTACH failure. |

System Action: The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User Response: None.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, X'nn'*

DFHDX8322 *applid* LOAD request failed for *xxxxxxxx*. DBCTL/XRF support will not be provided for this connection.

Explanation: CICS has been notified of a DBCTL failure, but has been unable to load the specified Recovery Service Table (RST) to determine if XRF support is required.

System Action: CICS continues as if no XRF support had been requested for the failing DBCTL subsystem.

User Response: Re-link-edit a valid RST into STEPLIB. DBCTL may have to be restarted manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, xxxxxxxx*

DFHDX8323 *applid* Unable to complete search for DBCTL alternate.

Explanation: CICS has been notified of a DBCTL failure, but has been unable to complete the search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System Action: CICS continues as if no DBCTL alternate had been found. An ADDI transaction dump will be produced. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8324 *applid* Unable to restart DBCTL xxxxxxxx for reason X'nn'.

Explanation: CICS was unable to restart DBCTL owing to an internal failure indicated by the value of *n*. *n* may be one of the following.

<i>n</i>	Meaning
X'08'	An MVS GETMAIN failed.
X'09'	An MVS ATTACH failed.

System Action: The active CICS continues but was not able to restart DBCTL automatically. However, it will attempt to reconnect to DBCTL in the normal way.

User Response: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, xxxxxxxx, X'nn'*

DFHDX8325 *applid* Restart command issued unsuccessfully to subsysid for reason X'xx' X'yy'.

Explanation: The user exit XXDFA requested a restart of DBCTL. The restart request was issued to *subsysid* but was rejected with hexadecimal reason codes X'xx' and X'yy'.

System Action: The active CICS continues normally and will attempt to reconnect to DBCTL.

User Response: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, subsysid, X'xx', X'yy'*

DFHDX8326 *applid* DBCTL state message lost owing to message services error.

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the alternate.

System Action: The active system writes an error entry in its CAVM status record, but otherwise continues normally.

User Response: Check for any other messages relating to CAVM data set problems.

Were the CICS alternate to take over now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience. It may be preferable to cancel the alternate and restart it, either manually or via an overseer.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8327 *applid* DBCTL state message lost owing to CAVM services failure.

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the overseer.

System Action: Processing continues.

User Response: Check for any other CICS messages relating to CAVM data set problems (DFH66xx).

Were the overseer to oversee a takeover now it might try to restart the wrong DBCTL. There would be no database integrity exposure

but there might some loss of availability as well as operational inconvenience.

If the overseer is being used to control XRF takeovers then disconnecting and reconnecting to the DBCTL will cause a re-write of the status record.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8328 *applid* Unable to determine Jes affiliation of (*jobname, jobid*).

Explanation: CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

System Action: The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User Response: It is recommended that DBCTL should be run under the same JES as the active CICS system.

The message indicates that either a system or set-up problem has occurred. If there is a system problem then message DFHDX8321 will also be displayed.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, jobname, jobid*

DFHDX8329 *applid* Restart request after DBCTL failure ignored for reason X'nn'.

Explanation: The user exit XXDFA requested a restart of DBCTL. This request has been ignored for the reason indicated by *nn*.

The reason code *nn* should be one of the following.

<i>nn</i>	Meaning
X'09'	There is no alternate DBCTL to be restarted.
X'10'	Possibly, the DBCTL subsystem is under a different JES from the active CICS system.
X'11'	The DBCTL subsystem was an IMS DB/DC system.

System Action: The active CICS continues as if the user exit had indicated 'no action'.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, X'nn'*

DFHDX8330 *applid* IMS DB/DC region has requested XRF support.

Explanation: This message is produced when CICS connects to an IMS system for which the user has requested XRF support (via the RST), but which is unable to participate in XRF. For example, in an IMS/DC system without the XRF option.

System Action: The system continues to run without XRF.

User Response: Either enable IMS/DC for XRF, or remove SSID from RST.

Destination: Console

Module: DFHDBCT
XMEOUT Parameter: *applid*

DFHDX8331 *applid* **CAVM message input service error** *xxxxxxx*,
X'nn', *xxxxxxx*.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

User Response: Check for any other messages relating to CAVM data set problems. In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid*, *xxxxxxx*, *X'nn'*, *xxxxxxx*

DFHDX8332I *applid* **Connection to** *xxxxxxx* **notified after**
xxxxxxx **failure initiated takeover.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received a message from the CAVM message input service, after a takeover decision from the global user exit XXDFB has been accepted.

This problem is usually caused by a setup or an operational error.

System Action: The takeover continues. If the message is a notification of a successful connection, then the global user exit XXDTO may be driven.

User Response: In order for the active CICS system to reconnect to an element of the RSE, a DBCTL must have been restarted in the active CEC. Consequently, the alternate CICS will not be able to restart an element of the RSE in the alternate CEC without terminating this new active DBCTL.

The global user exit XXDTO will be driven as part of CICS takeover processing. This exit could be used to request a takeover of the DBCTL that was restarted in the active CEC.

Locate and correct any setup or operational errors.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid*, *xxxxxxx*, *xxxxxxx*

DFHDX8333 *applid* **Unrecognized message type** *xxxxxxx*
received by DBCTL tracking task.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an unrecognized message from the CAVM message input service.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMB transaction dump is produced. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid*, *xxxxxxx*

DFHDX8334 *applid* **Error detected in** *xxxxxxx* **for reason** *nn*.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has detected an invalid recovery service table (RST) during processing of a CICS|DBCTL failure.

nn may be one of the following.

<i>nn</i>	Meaning
01	The CICS SVC detected an error in the RST. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.
02	The RST could not be loaded by the XRF/DBCTL tracking task, or the XRF/DBCT tracking task detected that the RST was invalid.
03	The CICS SVC detected an error in the RST during initialization. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.
04	The CICS SVC detected an error in the RST during connect time. Refer to the accompanying DFHXG64xx or DFHXA65xx message for the reason for the error.

System Action: The tracking transaction continues as if no XRF support had been requested via the RST for the connected DBCTL.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually. When the failure is detected during the initialization of the XRF/DBCTL tracking task the RST should be assembled and link-edited to resolve the problem.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid*, *xxxxxxx*, *nn*

DFHDX8335 *applid* **Unable to complete search for DBCTL**
alternate.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System Action: The tracking transaction continues as if no DBCTL alternate had been found.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHDX8336 *applid* **Unable to provide DBCTL/XRF support for**
reason: *X'nn'*.

Explanation: The user exit XXDFB or XXDTO requested a restart of DBCTL. This request has been ignored for the reason indicated by the value of *nn*.

n may be one of the following.

<i>nn</i>	Meaning
X'46'	No valid RST was found. Refer to DFHDX8334.
X'50'	DBCTL subsystem is an IMS DB/DC system.

DFHDX8337

- X'51'** There is no alternate DBCTL to be restarted.
- X'52'** The DBCTL subsystem is, or may be, under a different JES from the active CICS system.
- X'53'** The active CICS system has already attempted a restart of DBCTL.

System Action: The alternate CICS continues as if the user exit had indicated 'no action'.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8337 *applid* Takeover request rejected by CAVM, reason code X'nn'.

Explanation: The user exit XXDFB requested a takeover as a result of a DBCTL failure, but the CAVM rejected the takeover request.

System Action: The alternate CICS continues as if the user exit had indicated 'no action'.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options. The message indicates that a CICS internal error has occurred, normally as a result of an earlier problem. It may be necessary to initiate a manual CICS takeover.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8338 *applid* Unable to issue *command* command to *subsysid* for reason X'nn'.

Explanation: The user exit XXDFB/XXDTO issued a restart request to the DBCTL/XRF tracking task, the task was unable to process the request for the reason indicated in the message.

The issued command should either be a switch system backup command or an ERE command.

The reason code X'nn' should be one of the following.

<i>nn</i>	Meaning
X'09'	MVS GETMAIN failure
X'10'	MVS ATTACH failure.

System Action: The takeover continues.

User Response: Restart the DBCTL subsystem manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, command, subsysid, X'nn'*

DFHDX8339 *applid* *command* command issued unsuccessfully to *subsysid* for reason X'nn'.

Explanation: The DBCTL/XRF tracking task issued a restart command (either switch or ERE) to an alternate DBCTL subsystem but the request was rejected for reason *nn*.

XXDFA or XXDTO requested CICS takeover with DBCTL. The error was detected when the request was made.

System Action: The takeover continues.

User Response: Restart the DBCTL subsystem manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, command, subsysid, X'nn'*

DFHDX8340 *applid* DBCTL tracking task started in an invalid environment reason X'nn'.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code X'nn' may be one of the following.

<i>nn</i>	Meaning
X'65'	XRF=NO specified in the SIT.
X'67'	CICS system is running as active.
X'69'	MVS GETMAIN failure.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

User Response: The user response depends on the reason code issued.

For reasons X'65' and X'67', there is a possible error in CICS code. In this case you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

For reason X'69', specify a smaller overall size limit for the EDSAs.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8341I *applid* Takeover request accepted.

Explanation: The DBCTL/XRF tracking task issued a takeover request due to a request from user exit XXDFB. The request has been accepted.

System Action: The takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL = 0.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHDX8342I *applid* Restart command issued successfully.

Explanation: The DBCTL/XRF tracking task issued a restart command to an alternate DBCTL subsystem due to a request from user exit XXDFB/XXDTO. The request was issued successfully.

System Action: Takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL = 0.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHERxxxx messages

DFHER2813I applid Program DFHRCEX cannot be found

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Modules: DFHDLBP, DFHTCBP, DFHUSBP

XMEOUT Parameter: *applid*

DFHER5724 applid One or more of the above DMB's have no DDIR entry. CICS will be terminated

Explanation: This message follows DFHER5722. During emergency restart, an IMS/VS database was required to be backed out, but no entry for the database was contained in the DDIR (database directory) table.

System Action: CICS terminates abnormally with a dump and MVS user abend 0150.

User Response: Ensure that the DDIR table contains the required data management blocks (DMBs) and then retry.

Destination: Console

Module: DFHDLBP

XMEOUT Parameter: *applid*

DFHER5725 applid Unrecoverable DL/I backout error. CICS will be terminated

Explanation: An error occurred while the system was attempting to back out changes to an IMS/VS database. The error was too far-reaching to be containable with database integrity (for example, incorrect log record data).

System Action: CICS terminates abnormally with a dump and MVS user abend 0151.

User Response: Ensure that the correct system log is being used. Take note of the IMS/VS message (DFSxxxx) explaining the reason for the backout error.

Destination: Console

Module: DFHDLBP

XMEOUT Parameter: *applid*

DFHER5730 applid User recovery beginning

Explanation: During emergency restart, CICS issues this message when the CICS module DFHUSBP starts processing. DFHUSBP presents all active user journal records in the system log to the user exit, XRCINPT. (Active user records are all user journal records that relate to in-flight tasks, or that have the high order bit set in the JCRUTRID (user header) field).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHUSBP

XMEOUT Parameter: *applid*

DFHER5731 applid No active user records on the system log

Explanation: During emergency restart, CICS issues this message when the CICS module DFHUSBP finds no active user journal records in the system log. (Active user records are all user journal records that relate to in-flight tasks, or that have the high order bit set in the JCRUTRID (user header) field. DFHUSBP presents active user records to the user exit XRCINPT.)

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHUSBP

XMEOUT Parameter: *applid*

DFHER5732 applid User recovery completed

Explanation: During emergency restart, CICS issues this message when the CICS module DFHUSBP finishes processing. DFHUSBP presents active user records to the user exit, XRCINPT. (Active user records are all user journal records that relate to in-flight tasks, or that have the high order bit set in the JCRUTRID (user header) field.)

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHUSBP

XMEOUT Parameter: *applid*

DFHER5750 applid DL/I backout beginning

Explanation: During emergency restart, CICS issues this message when the CICS module DFHDLBP starts processing. (DFHDLBP backs out changes to DL/I databases that were made by in-flight tasks, that is tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHDLBP

XMEOUT Parameter: *applid*

DFHER5751 applid No DL/I backout required

Explanation: During emergency restart, CICS issues this message when the CICS module DFHDLBP finds no changes to DL/I databases that need to be backed out. (DFHDLBP backs out changes to DL/I databases that were made by in-flight tasks, that is tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHDLBP

XMEOUT Parameter: *applid*

DFHER5752 *applid* DL/I backout complete

Explanation: During emergency restart, CICS issues this message when the CICS module DFHDLBP finishes processing. (DFHDLBP backs out changes to DL/I databases that were made by in-flight tasks, that is tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHDLBP

XMEOUT Parameter: *applid*

DFHER5760 *applid* Message and ISC state recovery beginning

Explanation: During emergency restart, CICS issues this message when the CICS module DFHTCBP starts processing. (DFHTCBP recovers terminal messages and the intersystem coupling state for use during session resynchronization.)

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHTCBP

XMEOUT Parameter: *applid*

DFHER5761 *applid* No message or ISC state recovery required

Explanation: The previous system recovery did not occur at a time when session synchronization was affected, therefore the CICS module, DFHTCBP, does not need to do any recovery. (DFHTCBP recovers terminal messages and the intersystem coupling state for use during session resynchronization.)

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHTCBP

XMEOUT Parameter: *applid*

DFHER5762 *applid* Message and ISC state recovery completed

Explanation: The CICS module DFHTCBP has finished processing. (DFHTCBP recovers terminal messages and the intersystem coupling state for use during session resynchronization.)

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHTCBP

XMEOUT Parameter: *applid*

DFHER5763 *applid* Message and ISC state recovery failed. CICS logic error.

Explanation: The CICS module DFHTCBP has failed.

System Action: CICS terminates with abend code ABP3.

User Response: None.

Destination: Console

Module: DFHTCBP

XMEOUT Parameter: *applid*

DFHEXxxxx messages**DFHEX0001** An abend (code *aaa/bbbb*) has occurred in module *modname*.

Explanation: An unexpected program check or abend *aaa/bbbb* has occurred in module *modname*. This implies that there may be an error in external CICS interface code.

Alternatively, unexpected data has been passed on an external CICS interface call or storage has been overwritten.

The code *aaa/bbbb* is, if applicable, a 3-digit hexadecimal MVS system completion code *aaa* (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa* is, if applicable, a user abend code produced by the external CICS interface. If the user abend code is not applicable, this field is filled with four hyphens.

System Action: An exception entry is made in the external CICS interface internal trace table, and to the GTF trace dataset (if GTF is active), and a SYSMDUMP is taken.

The external CICS interface terminates the current request, and attempts to recover to a consistent state so that further EXCI requests can be serviced. For an application using the EXCI CALL API, a response of EXCI_SYSTEM_ERROR with a REASON of ESTAE_INVOKED is returned to the application. For an application using the EXCI EXEC API, an EXEC_RESP of LINKERR is returned to the application, together with an EXEC_RESP2 of ESTAE_INVOKED or EXEC_ESTAE_INVOKED, depending on whether the call level ESTAE routine, or the EXEC level ESTAE routine was invoked.

User Response: Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If applicable, see the description of abend code *bbbb* for further guidance.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXCPRH, DFHXCEIP

DFHEX0002 A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the EXCI internal trace table and to GTF if it is active, (*X'code'* in the message). A system dump is taken.

This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued. For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the reason for the error. For applications using the EXCI EXEC API, the reason is returned in the EXEC_RESP2 field of the RETCODE area.

User Response: This failure indicates a serious error in the external CICS interface code. For further information about the

| EXCI exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

| You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Destination:** Console

| **Modules:** DFHXCPRH, DFHXCEIP

DFHEX0003 A GETMAIN request in module *modname* (code *X'code'*) has failed. Reason *X'rc'*.

| **Explanation:** An MVS GETMAIN was issued by module *modname*, but it failed with return code *rc*.

| The code *X'code'* is the exception trace point ID which uniquely identifies the place where the MVS GETMAIN was issued.

| **System Action:** An exception entry is made in the EXCI internal trace table (code *X'code'* in the message). This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued.

| For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the point of failure.

| For applications using the EXCI EXEC API, the point of failure is returned in the EXEC_RESP2 field of the RETCODE area.

| For EXCI_REASON and EXCI_RESP of 603, the EXCI module DFHXCPRH also issues abend 0410 which drives the ESTAE exit. Message DFHEX0001 is issued and a SYSMDUMP is taken

| **User Response:** Look up the MVS GETMAIN return code *rc* in the relevant MVS codes manual.

| If the reason is insufficient storage, try increasing the size of the region for the batch EXCI job.

| You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Destination:** Console

| **Modules:** DFHXCPRH, DFHXCTRI

#

DFHEX0004 Jobname: *jobname*, **Stepname:** *stepname*,
Procname: *procname*, **Sysid in SMF:** *sysid*, **Applid:**
applid.

Explanation: This message accompanies message DFHEX0001 and will provide the *jobname*, *stepname*, *procname*, *Sysid in SMF* and *applid* to which the EXCI job is connecting to. If an insert value is unknown or not specified then the message insert will read # Unknown. For example, *procname* and *stepname* are not mandatory in an EXCI job, if they were omitted and DFHEX0004 was issued then the inserts for *procname* and *stepname* will read # Unknown.

System Action: Follow system action for DFHEX0001.

User Response: Follow user response for DFHEX0001.

Destination: Console

Modules: DFHXCPRH, DFHXCEIP

DFHEX0100 The installed level of CICS SVC does not support the EXCI call.

| **Explanation:** The external CICS interface module DFHXCPRH detected that the level of CICS SVC (DFHCSVC) in use does not support the external CICS interface.

| **System Action:** The EXCI request is terminated. An exception trace is made in the EXCI internal trace table, and if GTF is active, in the GTF trace data set. The external CICS interface module DFHXCPRH issues abend 0407 which drives the ESTAE exit. Message DFHEX0001 is issued, and a SYSMDUMP is taken.

| **User Response:** Check the level of DFHCSVC installed in the LPA. A CICS/ESA 4.1 level of DFHCSVC is required for the external CICS interface. Generally, the latest level of DFHCSVC must be used when running CICS and the external CICS interface. For more information about installing DFHCSVC see the *CICS/ESA Installation Guide*.

| **Destination:** Console

| **Module:** DFHXCPRH

DFHEX0101 Unable to start interregion communication because DFHIRP services are down level.

| **Explanation:** The version of DFHIRP being used is at a lower level than that of the External CICS Interface (EXCI) module DFHXCPRH.

| **System Action:** The EXCI allocate pipe request is rejected, and a return code passed back to the batch application.

| **User Response:** Update the level of the DFHIRP module in the LPA such that it matches the level of the latest CICS version in use.

| **Destination:** Console

| **Module:** DFHXCPRH

DFHEX0110 EXCI SDUMP has been taken. Dumpcode:
dumpcode, **Dumpid:** *dumpid*.

| **Explanation:** This message is issued on successful completion of a MVS SDUMP issued by external CICS interface module DFHXCDMP. An error, signalled by a previous message, caused a call to be made to DFHXCDMP to take a system dump.

| The dump code *dumpcode* is an 8-character system dump code identifying the external CICS interface problem. A system dump code is the EXCI message number with the DFH prefix removed.

| *dumpid* is the unique 9-character string identifying this dump.

| **System Action:** The EXCI request is terminated.

| **User Response:** See the EXCI message indicated by *dumpcode* for further guidance.

| You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Destination:** Console

| **Module:** DFHXCDMP.

DFHEX0111 EXCI SDUMP attempted but SDUMP is busy - will retry every five seconds for *nnnn* seconds.

Explanation: At the time of the MVS SDUMP request issued by DFHXCDMP another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the dump retry parameter in the DFHXCOPT table means that the external CICS interface waits five seconds before retrying the SDUMP request. If necessary, the external CICS interface retries every five seconds for the total time specified on the retry parameter.

System Action: The external CICS interface issues an MVS STIMERM macro which causes it to wait for five seconds. The request is reissued when the delay interval has expired.

User Response: None.

Destination: Console

Module: DFHXCDMP.

DFHEX0112 SDUMP request failed - reason *X'nn'*.

Explanation: An MVS SDUMP request issued from the external CICS interface has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

ONLY PARTIAL DUMP

The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMP BUSY

At the time of the MVS SDUMP request issued by the EXCI, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the dump retry parameter in DFHXOPTS table, the EXCI has retried the SDUMP request every five seconds for the specified period. This message is only issued if SDUMP is still busy after the final retry.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMP after an SDUMP BUSY condition, the EXCI issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NO DATA SET AVAILABLE

No SYS1.DUMP data sets were available at the time the SDUMP request was issued.

REJECTED BY MVS, REASON = *X'nn'*

MVS has rejected the SDUMP request because of user action (for example, specifying DUMP=NO in the MVS IPL) or because of an I/O error or terminating error in the SDUMP routine. *X'nn'* is the SDUMP reason code.

NOT AUTHORIZED FOR EXCI

SDUMP is not authorized for the external CICS interface.

INSUFFICIENT STORAGE

The EXCI issued an MVS GETMAIN for subpool 253 storage during the processing of the SDUMP request. The GETMAIN has been rejected by MVS.

System Action: The EXCI proceeds as if the dump had been successful.

User Response: The user response depends on the reasons, (*reason*), for the failure.

ONLY PARTIAL DUMP

Increase the size of the SYS1.DUMP data sets and cause the SDUMP request to be reissued.

SDUMP BUSY

Cause the SDUMP to be reissued after, if appropriate, increasing the dump retry time in DFHXCOPT.

STIMERM FAILED

Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NO DATA SET AVAILABLE

Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

REJECTED BY MVS, REASON = *X'nn'*

No action is required if the dump is suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Macro Reference* for an explanation of the SDUMP reason code *X'nn'*.

NOT AUTHORIZED FOR EXCI

This reason is unlikely because SDUMP is unconditionally authorized during EXCI initialization, and should be authorized throughout the EXCI run. If you do get this reason, the EXCI AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

Destination: Console

Module: DFHXCDMP

DFHEX0113 EXCI trace Initialization has failed.

Explanation: An attempt to initialize external CICS interface (EXCI) trace facilities during EXCI initialization has failed.

System Action: The EXCI request continues without trace facilities. An earlier message identifies the cause of the failure.

User Response: Refer to the earlier message to determine the cause of the failure.

Destination: Console

Module: DFHXCTRI

DFHEX0114 Incorrect data has been passed for EXCI tracing causing a program check in DFHXCTRP.

Explanation: Some data passed to the external CICS interface (EXCI) trace module DFHXCTRP for addition to the EXCI internal trace table, or GTF trace, caused a program check to occur when an attempt was made to access it.

The most likely cause of this error is incorrect data passed on an EXCI CALL API request that the trace program DFHXCTRP is attempting to access.

System Action: The EXCI request is terminated and a SYSMDUMP is taken.

User Response: Examine the dump to determine the source of the incorrect data.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXCTRI

DFHEX0115 EXCI trace services have been disabled due to a previous error.

Explanation: An error occurred in the external CICS interface (EXCI) trace module DFHXCTRP indicated by message DFHEX0001. In trying to recover from the error, module DFHXCTRI determined that the error was not caused by accessing incorrect data passed to DFHXCTRP, but was due to a program check in DFHXCTRP.

System Action: The EXCI trace facilities are disabled to prevent further errors. A SYSMDUMP is taken.

User Response: See the DFHEX0001 message and the SYSMDUMP to determine the cause of the error.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXCTRI

DFHEX0116 Program check occurred within global trap exit - DFHXCTRA now marked unusable.

Explanation: After making a trace entry, the external CICS interface (EXCI) trace program DFHXCTRP called the EXCI field engineering global trap program DFHXCTRA. A program check occurred during execution of DFHXCTRA.

System Action: The EXCI marks the currently active version of DFHXCTRA as unusable and ignores it on subsequent calls to DFHXCTRP for all subsequent calls made under this TCB. The EXCI request is terminated, and a SYSMDUMP is taken.

User Response: Use the dump to find the cause of the program check.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHXCTRI

DFHFCxxxx messages

Note: In cases where standard message inserts such as *opid* or *termid* are undefined or cannot be determined, the inserts are replaced by dashes.

DFHFC0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37).

If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFCBF, DFHFCDN, DFHFCFR, DFHFCFS, DFHFCJL, DFHFCMT, DFHFCRL, DFHFCRM, DFHFCRP, DFHFCSD, DFHFCST

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHFC0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

To discover the cause of the problem, examine the exception trace entry and immediately preceding entries. For further information about CICS exception trace entries, see the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If module *modname* is DFHFCBF, it abends the CICS system with a dump, after issuing this message. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

DFHFC0003

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If module *modname* in the message is DFHFBCBF, investigate the problem, using the dump and also possibly messages issued before this message. Correct the problem, and restart CICS with START=AUTO, which CICS then resolves into an emergency restart.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFBCBF, DFHFCDN, DFHFCDT, DFHFCEI, DFHF CFR, DFHF CFS, DFHF C JL, DFHF CL, DFHF CM, DFHF CMT, DFHF CN, DFHF CRL, DFHF CRM, DFHF CRP, DFHF CSD, DFHF CST

XMEOUT Parameters: *applid, X'code', modname*

DFHFC0003 *applid* Insufficient storage (code *X'code'*) in module *modname*.

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X' code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from the domain manager, for example), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHF CRP

XMEOUT Parameters: *applid, X'code', modname*

DFHFC0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFBCBF, DFHFCDN, DFHF CFR, DFHF CFS, DFHF C JL, DFHF CMT, DFHF CRL, DFHF CRM, DFHF CRP, DFHF CSD, DFHF CST

XMEOUT Parameters: *applid, X'offset', modname*

DFHFC0005 *applid* A hardware error has occurred (module *modname*, code *X'code'*). The Time-of-Day clock is invalid.

Explanation: A hardware error has occurred during the running of module *modname*. The MVS store clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message to this effect is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will require further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module:

XMEOUT Parameters: *applid, modname, X'code'*

DFHFC0100I *applid* File Control initialization has started.

Explanation: This is an informational message indicating the start of file control initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFRCRP

XMEOUT Parameter: *applid*

DFHFC0101I *applid* File Control initialization has ended.

Explanation: File control initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFRCRP.

XMEOUT Parameter: *applid*

DFHFC0102I *applid* File Control initialization has failed.

Explanation: File Control has failed to initialize correctly.

System Action: Message DFHSI1521 is issued and initialization is terminated.

User Response: The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.

Destination: Console

Module: DFHFRCRP

XMEOUT Parameter: *applid*

DFHFC0103I *applid* Required module *modname* could not be loaded.

Explanation: Module *modname* is required by file control. It could not be loaded because it is missing from the DFHRPL library list.

System Action: The system terminates with a system dump and code FC0103.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that module *modname* is in the DFHRPL library list.

If this is not the cause of the problem you will require further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCIN1, DFHFRCRP, DFHFCFS

XMEOUT Parameters: *applid, modname*

DFHFC0104I *applid* Unexpected catalog error.

Explanation: File control issued a request to the catalog (CC) domain which failed. This is probably caused by an I/O error on the catalog.

System Action: A system dump is produced with code FC0104.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the error from the messages issued from the catalog domain.

Destination: Console

Module: DFHFRCRP

XMEOUT Parameter: *applid*

DFHFC0105I *applid* Entry for file *filename* cannot be located in the CICS catalog.

Explanation: During file control initialization, an error occurred either while the table manager was linking the AFCT entries to the FCT entries, or while the table manager was searching for the FCTs in order to connect them to the dsname blocks.

System Action: CICS initialization is abnormally terminated and a trace entry is made.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate why the catalog has no FCT entry. If this is not the cause of the problem, determine why the FCT could not be found.

Destination: Console

Module: DFHFRCRP

XMEOUT Parameters: *applid, filename*

DFHFC0106I *applid* Insufficient storage to satisfy GETMAIN request in module *modname*.

Explanation: The storage (SM) domain has insufficient space to satisfy a GETMAIN request made during CICS initialization.

System Action: A system dump is produced.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHFRCRP

XMEOUT Parameters: *applid, modname*

DFHFC0107D *applid* Unable to load File Control table DFHFCTxx.
Enter either an alternative suffix, or 'YES', or 'NO'.

Explanation: The file control table, DFHFCTxx could not be found in the DFHRPL library list during a cold start of CICS.

System Action: File control initialization waits for a reply to this message.

User Response:

- Reply to this message with a 1 or 2 character suffix to cause file control to load DFHFCTxx, or
- reply 'YES' to load an unsuffixed FCT, or
- reply 'NO' to initialize file control without an FCT.

Destination: Console

Module: DFHFICRP

XMEOUT Parameters: *applid, xx*

DFHFC0108 *applid* Invalid reply to message DFHFC0107D. A 1 or 2 character suffix, or YES or NO is required

Explanation: The reply to message DFHFC0107 was invalid. The reply may have been too long or may have contained invalid characters.

System Action: Message DFHFC0107 is reissued and initialization waits for a reply.

User Response: Reply to message DFHFC0107.

Destination: Console

Module: DFHFICRP

XMEOUT Parameter: *applid*

DFHFC0109A *applid* Cold start specified when backout failure processing is incomplete. Data integrity is at risk.

Explanation: The previous CICS run detected a backout failure. CICS started processing to handle the backout failure so that the affected data sets could be taken offline to be recovered, however this processing was not complete when CICS failed. CICS has been cold started and backout failure processing from the previous CICS run is not complete. CICS should have been emergency started to allow backout failure processing to complete. Backout failure processing cannot be completed when CICS is cold started, and so an offline backout utility cannot be run.

System Action: The affected VSAM data set is marked as BACKOUT FAILED to prevent further access to the data set via CICS files.

Message DFHFC0305, which follows this message, identifies the VSAM data set involved.

User Response: Take the affected data sets offline to recover the data. If RECOVERY=ALL was specified, the data set can be forward recovered up to the point of failure using both the CICS offline forward recovery utility and the archived forward recovery logs. The CICS offline backout utility cannot be used in this instance. Some other method of restoring the data to a consistent point must be used. When the data set has been recovered the CEMT SET DSNAME NORMAL command should be used to reset the backout failure state and so allow CICS files to access the data set.

Destination: Console

Module: DFHFICRP

XMEOUT Parameter: *applid*

DFHFC0110 *applid* Error, a xxxx version of DFHFCTxx has been loaded.

Explanation: DFHFICRP loaded DFHFCTxx that was assembled for CICS release xxxx. It is not valid to run CICS with an FCT assembled against a previous release.

System Action: File control initialization, and hence CICS cold start, is terminated.

User Response: Reassemble DFHFCTxx for the CICS release being used. Cold start CICS.

Destination: Console

Module: DFHFICRP

XMEOUT Parameters: *applid, xxxx, DFHFCTxx*

DFHFC0111 *applid* Error, CICS is attempting to initialize with release xxxx of DFP.

Explanation: DFHFICRP detected that CICS was being initialized with data facility product (DFP) level xxxx. CICS does not support this level of DFP.

System Action: File control initialization, and hence CICS cold start, is terminated.

User Response: Install a level of DFP supported by this release of CICS.

Destination: Console

Module: DFHFICRP

XMEOUT Parameters: *applid, xxxx*

DFHFC0112 *applid* Install of remote FCT entry *filename* failed. SYSID *sysid*, specified in the entry, is the local SYSID.

Explanation: DFHFICRP attempted to install file *filename* from the assembled FCT. The install failed because the file was defined as TYPE=REMOTE but the SYSIDNT specified, *sysid*, was the system identifier of this local system.

System Action: File *filename* is not installed and file control initialization continues.

User Response: Examine the entry for *filename* in the FCT and either make the entry a local entry (TYPE=FILE) or correct the SYSIDNT specified.

Destination: Console

Module: DFHFICRP

XMEOUT Parameters: *applid, filename, sysid*

DFHFC0200I *date time applid* File *filename* has been allocated to data set *dataset*.

Explanation: This message provides a record of the dynamic allocation of the file *filename* to the data set *dataset*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFICN.

XMEOUT Parameters: *date, time, applid, filename, dataset*

DFHFC0201I *date time applid* File *filename* has been deallocated.

Explanation: This message provides a record of the dynamic deallocation of the file *filename*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCN

XMEOUT Parameters: *date, time, applid, filename*

DFHFC0202I *date time applid terminal userid tranid* FCT entry for *filename* has been added.

Explanation: This message provides the system with a record of the dynamic addition of FCT entry, *filename*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0203I *date time applid terminal userid tranid* FCT entry for *filename* has been deleted.

Explanation: This message provides a record of the dynamic deletion of FCT entry *filename*.

This occurs when a file, which already exists in the system, is being installed using RDO. It should be followed by message DFHFC0202 indicating that the new file definition has been added.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0204I *date time applid terminal userid tranid* FCT entry for *filename* has been updated.

Explanation: This message provides a record of updates to an FCT entry other than OPEN, CLOSE, ENABLE and DISABLE.

An FCT entry is updated by an EXEC CICS SET FILE command or by a CEMT SET FILE command.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0205I *date time applid terminal userid tranid* SHRCTL block for LSR pool *lsrpool* has been updated.

Explanation: This message provides a record of the updates to a SHRCTL block.

A SHRCTL block exists for VSAM LSR pools 1–8 and is updated by an RDO install of an LSRPOOL object.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCRL.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, lsrpool*

+ DFHFC0206 *date time applid terminal userid tranid* AFCT entry for *filename* has been added.

+ Explanation: This message provides the system with a record of the dynamic addition of the remote file, *filename*.

+ System Action: Processing continues.

+ User Response: None.

+ Destination: CSFL

+ Module: DFHAFMT

+ XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

+ DFHFC0207 *date time applid terminal userid tranid* AFCT entry for *filename* has been deleted.

+ Explanation: This message provides the system with a record of the dynamic deletion of the remote file, *filename*.

+ This occurs when a remote file, which already exists in the system, is being deleted using RDO.

+ System Action: Processing continues.

+ User Response: None.

+ Destination: CSFL

+ Module: DFHAFMT

+ XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0208 *applid* LSR pool *n* is being built dynamically by CICS as *Cl size, strings, maxkeylength* not defined. A delay is possible.

Explanation: If one or more of the parameters *Cl size, strings* and *maxkeylength* are not defined for an LSR pool, then CICS will calculate the size by using information from the VSAM Catalog for data sets allocated to this LSR pool.

System Action: CICS will issue SHOWCAT to obtain the information necessary to calculate the LSR pool size. If any data sets have been migrated, the SHOWCAT could take longer than expected.

User Response: If there are severe delays due to SHOWCAT processing, you will have to wait for migrated data sets to be recalled and for the calculation of the LSR pool size to be completed.

If you wish to avoid similar problems in the future, consider defining the LSR pool explicitly. The missing parameters are contained in this message.

DFHFC0300

Normally, you will not experience delays, in which case no user
action is required.
Destination: Console
Module: DFHFCL
XMEOUT Parameters: *applid, n, CI Size, strings, maxkeylength*

DFHFC0300 *applid (trandid termid) purge deferred due to incomplete I/O operation on VSAM file 'filename'.*

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *trandid* is currently waiting for completion of an I/O operation on the VSAM file *filename*. *termid* identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O completes the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, it may be that the I/O wait is genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFVCR

XMEOUT Parameters: *applid, trandid, termid, filename*

DFHFC0301 *applid (trandid termid) purge deferred due to incomplete I/O operation on BDAM file 'filename'.*

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *trandid* is currently waiting for completion of an I/O operation on the VSAM file *filename*. *termid* identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFCBD

XMEOUT Parameters: *applid, trandid, termid, filename*

DFHFC0302 *applid (trandid termid) CICS terminating. Failure while waiting for I/O operation on VSAM file 'filename'.*

Explanation: A DISASTER type error occurred when the transaction *trandid* was waiting for the completion of an I/O operation on the VSAM file whose file name and data set name appear in message DFHFC0305 which follows this message. *termid* identifies the terminal running this transaction.

System Action: CICS is terminated with a system dump (dump code FC0302).

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFVCR

XMEOUT Parameters: *applid, trandid, termid, filename*

DFHFC0303 *applid (trandid termid) CICS terminating. Failure while waiting for I/O operation on BDAM file 'filename'.*

Explanation: A DISASTER type error occurred when transaction *trandid* was waiting for the completion of an I/O operation on BDAM file *filename*.

termid identifies the terminal running this transaction.

System Action: CICS is terminated with a system dump (dump code FC0303).

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFVCR

XMEOUT Parameters: *applid, trandid, termid, filename*

DFHFC0304 *applid Dump taken in module_name due to a file control OPEN/CLOSE error.*

Explanation: This message is issued after DFHFVCR has made an OPEN or CLOSE request which has completed with an error. The specific error is identified by another message. In most cases the other message appears before this message, but if the error occurs during the building of a shared resources pool, the other message appears after this message.

The failure is identified as one of the following:

- An invalid request (not OPEN or CLOSE) has been sent
- There has been a subtask failure
- There has been a system failure other than "DSNAME NOT FOUND" or "VSAM CATALOG DOMAIN NOT FOUND".
- There has been a failure during shared resources pool building.

System Action: A trace entry is made and a dump is taken with dumpcode FC0304.

User Response: Locate the fault by examining the trace entry and the dump.

Destination: Console

Modules: DFHFCL, DFHFCLM, DFHFCLN

XMEOUT Parameters: *applid, module_name*

DFHFC0305 *applid* **Message** *msgno* **file** '*filename*' **dsname** '*dataset*'.

Explanation: This message follows message DFHFC0109, DFHFC0300, DFHFC0302 or DFHFC0307. It identifies the VSAM data set name referred to in those messages.

If this message follows DFHFC0109, it is issued from DFHFCLRP. In this case, the *filename* insert is set to *unknown* as it is irrelevant.

If this message follows DFHFC0300 or DFHFC0302, it is issued from DFHFCLVR.

If this message follows DFHFC0307, it is issued from DFHFCLVS.

System Action: Processing continues in the way specified in DFHFC0300, DFHFC0302 or DFHFC0307, whichever is applicable.

User Response: Find the earlier message to which this information refers and follow the user response for that message.

Destination: Console

Modules: DFHFCLRP, DFHFCLVR, DFHFCLVS

XMEOUT Parameters: *applid, msgno, filename, dataset*

DFHFC0306 *applid* **Update via file** *filename* **rejected. Associated data set has failed backout.**

Explanation: A task attempted to update file *filename* that was associated with a data set which has failed backout.

To preserve data integrity, the update request has been rejected.

System Action: The task is abnormally terminated, with abend code AFC9, and an exception trace is produced.

User Response: The data set needs to be recovered before any further updates can be made to it. Refer to the earlier backout failure messages for further information.

Destination: Console

Module: DFHFCLVS

XMEOUT Parameters: *applid, filename*

DFHFC0307 *applid* **I/O error on file** '*filename*', **component code** *X'code*'. **File is temporarily disabled.**

Explanation: An I/O error was reported by VSAM after a request to update VSAM file *filename*.

The file has been specified with LSR so VSAM has not released the buffers it assigned to process the request. Therefore, CICS must take special action to release them.

The name of the data set associated with the file is in message DFHFC0305 which follows, although the error may have been encountered elsewhere. This is indicated by the value of the component code *X'code*'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01'—base cluster.
- X'02' or X'03'—alternate index.
- X'04' or X'05'—upgrade set.

System Action: The file is quiesced, closed and then reopened in order to release the VSAM output buffers. Until the close has

completed successfully, the file appears 'UNENABLED' to new would-be users and they receive a 'NOTOPEN' response to requests to use the file. The application request which encountered the error receives an 'IOERR' response.

User Response: The installation should follow its standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

Destination: Console

Module: DFHFCLVS

XMEOUT Parameters: *applid, filename, X'code*'

DFHFC0400 *applid* **This CICS system is not authorized to provide shared access to data tables - reason code** *X'code*'.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because a security check for update access to the resource name DFHAPPL.*applid* has failed. The value of the reason code, *X'code*', provides further information on the reason for the failure of the security check. It has the format *X'ffraaaa'* where *ff* identifies the authorization check which failed, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of *X'ff* are

X'01' Access was refused by an AUTH security check.

X'02' Access was refused by a FASTAUTH security check.

System Action: CICS continues normally but no other CICS systems are able to share any data tables it creates until authority is granted and a table is subsequently opened.

User Response: Ensure that CICS has the necessary authorization to provide shared access to data tables. Refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, *X'code*', and to determine the changes to the security definitions or setup that are required to allow the CICS system to act as a shared data table server (assuming that this is desired).

Destination: Console

Module: DFHFCLFS

XMEOUT Parameters: *applid, X'code*'

DFHFC0401 *applid* **This CICS system is now authorized to provide shared access to data tables.**

Explanation: CICS is about to open a data table. On a previous occasion message DFHFC0400 was issued because authorization checks failed preventing this CICS system from making provision for sharing its data tables with any other CICS system. The check has been retried successfully.

System Action: CICS continues normally. Subject to specific authorization checks, other CICS systems are now able to share this system's data tables.

User Response: None.

Destination: Console

Module: DFHFCLFS

XMEOUT Parameter: *applid*

DFHFC0402 *applid* CICS cannot provide shared access to data tables because CICS is not defined as an MVS subsystem.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because CICS has not been defined as an MVS subsystem.

System Action: CICS continues normally but no other CICS systems are able to share any data tables it creates.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

See the *CICS/ESA Shared Data Tables Guide* for more guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0403 *applid* CICS cannot provide shared access to remote data tables because CICS is not defined as an MVS subsystem.

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has not been defined as an MVS subsystem.

If this message is issued on a CICS system at release 3.2.1, it means that the shared data tables module DFHDTINS is installed in the LPA or in the load library used by this CICS system, and has therefore been loaded by mistake.

System Action: CICS continues normally and function ships this and subsequent remote file requests.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

If the message was issued by a CICS/ESA 3.2.1 system, check where the DFHDTINS module is located. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0405 *applid* This CICS system cannot provide shared access to data tables because an earlier job step has used MVS cross-memory services.

Explanation: CICS is prevented from using shared data tables because of the use of MVS cross-memory services by an earlier job step. CICS has attempted to create an entry table during LOGON as a shared data table server, but this has resulted in an MVS 052 ABEND because a prior jobstep owned space-switching entry tables. (MVS does not allow subsequent job steps to establish a cross-memory environment.)

System Action: CICS continues normally but other CICS systems are unable to gain shared access to any data tables that this CICS system creates.

User Response: In order to use the shared access to data tables feature, review the sequence of job steps in the job which includes this CICS system.

See the *CICS/ESA Shared Data Tables Guide* and also the explanation of system abend code 052, reason code 0314 in *MVS System Codes* for more guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0406 *applid* This CICS system is not authorized for shared access to any data tables owned by the CICS system with applid *applid2* - reason code *X'code'*.

Explanation: A file request for a remote file resource is about to be passed to a CICS system with the specified applid. The remote system has registered as a shared data table server, but this system cannot access any of its tables because a security check for read access to the resource name DFHAPPL.*applid2* has failed, where *applid2* is the applid of the data table owning CICS system. The value of the reason code, *X'code'*, provides further information on the reason for the failure of the bind security check. It has the format *X'ffraaaa'* where *ff* identifies the authorization check which failed, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of *X'ff'* are

X'01' Access was refused by an AUTH security check.

X'02' Access was refused by a FASTAUTH security check.

User Response: If it was intended that this CICS system should be able to access data tables owned by the system *applid2*, refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, *X'code'*, and to determine what changes to the security definitions or setup are required.

System Action: CICS continues normally and function ships this and subsequent requests directed to the specified remote system until authority is granted. Access is retried after about 10 minutes.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid*, *applid2*, *X'code'*

DFHFC0407 *applid* This CICS system is now authorized for shared access to data tables owned by the CICS system with applid *applid2*.

Explanation: The security check which failed earlier and was reported in message DFHFC0406, has now succeeded. This system can now attempt to access shared data tables owned by the CICS system with applid *applid2*.

System Action: CICS continues normally. Subject to specific resource authorization checks, shared data tables owned by the remote CICS system can now be accessed by this system.

User Response: None.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid*, *applid2*

DFHFC0408 *applid* This CICS system is not authorized for shared access to remote file *filename* - reason code *X'code'*.

Explanation: A file request to the specified remote file resource, which is a shared data table, has just been processed. This system was unable to gain shared access to the table because it failed a security check, but function shipped access was not similarly prevented.

The value of the reason code, *X'code'*, provides further information on the reason for the failure of the file security check. It has the format *X'ffraaaa'*; where *ff* identifies the userid that was refused access, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of *X'ff'* are

X'01' The requesting system's own userid was refused read access to the remote file *filename*.

X'02' The default userid of the CICS system which owns the remote file *filename* was used in the security check for read access to the file, and access was refused.

System Action: CICS continues normally and function ships this and subsequent requests directed to the specified remote file until authority to use shared access is granted. Access is retried after about 10 minutes.

User Response: Check whether shared access from this system to the specified file is intended. If it is, use the additional information provided in the reason code to determine what changes to the security definitions or set-up are required.

See the *CICS/ESA Shared Data Tables Guide* for an explanation of the rules determining which userid is used for a file security check.

Destination: Console

Module: DFHFCEI

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0409 *applid* This CICS system is now authorized for shared access to remote file *filename*.

Explanation: The security check which failed earlier, and was reported in message DFHFC0408, has now succeeded. This system can now use shared access to the specified table.

System Action: CICS continues normally.

User Response: None.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0410 *applid* Data table cannot be opened. Data table initialization has failed for reason *X'code'*.

Explanation: CICS is about to open a data table but has been unable to initialize share data table services. The value of the reason code, *X'code'*, provides further information about why CICS was unable to initialize shared data table services.

The format of the reason code is either: *X'ffaataaaa'*, in which *ff* is a value less than *X'80'* that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures, or when an abnormal termination (abend) has occurred, *X'axxxxxr'* in which *a* is a value greater than or equal to *X'8'* that categorizes the type of abend, *rrrr* contains any register 15 abend reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When *X'code' < X'80000000'*, the values of *X'ff'* are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an unexpected error.

X'04' An error was returned by the MVS RESMGR macro, called to establish an MVS resource manager for end-of-task processing. The first byte of the additional information, *X'aa0000'* contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *X'aa0000'* is the register 15 return code from the attempt to call the CICS SVC.

X'08' An error was returned by the MVS DSPSERV macro. The additional information in the reason code consists of 1 byte containing the register 15 return code followed by 2 bytes containing the middle bytes from the register 0 reason code returned by DSPSERV.

X'09' An error was returned by the MVS ALESERV macro, called to create an access list entry either for the data space or for references to the primary address space. The additional information in the reason code consists of one byte containing the register 15 return code followed by two bytes containing the ALESERV function code (service type) and qualifier (options) which identify the failing request.

X'0E' An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When *X'code' ≥ X'80000000'*, the values of *X'a'* are formed from combinations of:

X'8' An abend was detected.

X'4' A user abend was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An abend was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (*X'ff' = X'01'*) and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'04' Refer to the documentation of the MVS RESMGR macro to interpret the low-order byte of the register 15 return code reported in the reason code.

X'06' The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSSVC could not be loaded, in which case the return code value is *X'02'*. If this is the case, check that the DFHDTSSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, investigate why it could not be

loaded. There might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTVC has been relink-edited and not marked reentrant.

- X'08'** Refer to the documentation of the MVS DSPSERV macro to interpret the register 0 and register 15 return codes reported in the additional information part of the reason code.
- X'09'** The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.
- X'0E'** This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.
- ≥ **X'80'** When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0411 *applid* Data table cannot be opened. Data table initialization has failed owing to a storage failure - reason code X'code'.

Explanation: CICS is about to open a data table but has been unable to initialize shared data table services because of a failure to obtain storage. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'tnnnnnn' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For fixed-length storage blocks, the reason code does not usually report the size.

The values of X'tt' are:

- X'01'** Private storage from MVS subpool 230 (key 0) for a work area used by the data tables SVC
- X'02'** Private storage from MVS subpool 0 for the local header block used by a shared data table server
- X'03'** Private storage from MVS subpool 0 for a pool for data table blocks
- X'04'** Private storage from MVS subpool 0 for a pool for file blocks
- X'08'** MVS/ESA data space storage
- X'09'** Private storage from MVS subpool 230 (key 0) for a region anchor
- X'11'** Private storage from MVS subpool 0 for a dummy recovery block
- X'12'** Storage from MVS subpool 252 required to load the DFHDTAM load module
- X'13'** Private storage from MVS subpool 230 (CICS key) for a parameter list used by the data tables SVC

- X'14'** Private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the type of storage indicated by the reason code. If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage, check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0412 *applid* Data table cannot be opened. Data table initialization has failed owing to a module loading failure - reason code X'code'.

Explanation: CICS is about to open a data table but a module loading failure has prevented the initialization of shared data table services. The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaa' in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of X'm' can be:

- X'1'** DFHDTFOR
- X'2'** DFHDTAM
- X'6'** DFHMVRMS

The values of X'f' are:

- X'1'** module not found by a LOAD, BLDL or CSVQUERY macro call.
- X'2'** an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' is the register 15 return code.
- X'3'** an error was returned by the MVS CSVQUERY macro. X'rr' is the register 15 return code.
- X'4'** an error was returned by the MVS BLDL macro. The two bytes X'aaaa' of additional information in the reason code contain the R0 reason code returned by BLDL.
- X'5'** the module is not reentrant.
- X'6'** the module had the wrong AMODE.
- X'7'** the module had the wrong RMODE.

Note for CICS/ESA 3.2.1 users: There is an additional code of X'08000000' which is only seen on a CICS/ESA 3.2.1 system that has DFHDTINS installed in the LPA or in its load library, and has mistakenly loaded this module.

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

- X'1'** Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
- X'2'** Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.
- X'3'** Refer to the documentation of the MVS CSVQUERY macro to interpret the return code given in the second byte of X'code'.
- X'4'** This indicates an I/O error or a storage allocation failure. Refer to the documentation of the MVS BLDL macro to interpret the values in the reason code X'code'.
- X'5', X'6', X'7'** Use the first digit of the reason code to determine the name of the module, then check the status of that module. These errors imply that it is either not the module which was supplied with CICS or that it has become corrupted.

Note for CICS/ESA 3.2.1 users: If the reason code was X'08000000', the shared data tables module DFHDTINS has been incorrectly installed in a library which is used by this CICS/ESA 3.2.1 system. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0415 *applid* Remote data tables cannot be accessed.
Shared data table initialization has failed for reason X'code'.

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has been unable to initialize data table services.

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Note that if CICS finds module DFHDTINS in the STEPLIB
concatenation or in the LPA it will assume that shared data tables
is required and will thus try to initialize it. The value of the reason
code, X'code', provides further information about why this CICS
region was unable to perform the initialization required to act as a
requester of shared data table services.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxxxr' in which a is a value greater than or equal to X'8' that categorizes the type of abend, rrrr contains any register 15 abend

reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

- X'01'** An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.
- X'06'** An error was returned by the CICS SVC. The first byte of the additional information, aa0000, is the register 15 return code from the attempt to call the CICS SVC.
- X'0E'** An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' ≥ X'80000000', the values of X'a' are formed from combinations of:

- X'8'** An abend was detected.
- X'4'** A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
- X'2'** An abend was detected but could not be analyzed fully because no SDWA was available.
- X'1'** An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes. A system dump is taken for unexpected errors (X'ff' = X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

- X'01'** Use the system dump to help you determine the cause of the problem.
- X'06'** The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTINSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTINSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, then investigate why it could not be loaded; possibly there might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTINSVC has been relink-edited and not marked reentrant.
- X'0E'** This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.
- ≥ **X'80'** When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0416 *applid* Remote data tables cannot be accessed.
Shared data table initialization has failed owing to a
storage failure - reason code *X'code'*.

Explanation: CICS is about to access a remote file resource. However, a failure to get storage has prevented CICS from initializing shared data table services. The value of the reason code, *X'code'*, provides further information about the type of storage which could not be obtained:

The format of the reason code is *X'tnnnnnn'* in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of *X'tt'* are:

X'01'	Private storage from MVS subpool 253 (below the 16MB line) for a work area required by module DFHQSSS
X'02'	Private storage from MVS subpool 0 for the shared data table header block required for this CICS to act as a data tables requester
X'09'	Private storage from MVS subpool 230 (key 0) for a region anchor
X'0A'	ECSA storage from subpool 241 (key 0) for a qualified subsystem block
X'0B'	ECSA storage from MVS subpool 241 (key 0) for a system anchor
X'0E'	Private storage from MVS subpool 230 (key 0) for a connect header block

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0417 *applid* Remote data tables cannot be accessed.
Shared data table initialization has failed owing to a
module loading failure - reason code *X'code'*.

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because a module loading failure prevents CICS from initializing data table services.

The value of the reason code, *X'code'*, provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is *X'mfrraaa'* in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of *X'm'* can be:

X'3'	DFHDTAOR
X'4'	DFHDTCV

The values of *f* are:

X'1'	module not found by LOAD
X'2'	an error was returned by the MVS LOAD macro. The two bytes <i>X'aaaa'</i> of additional information in the reason code contain the completion code from the LOAD. <i>X'rr'</i> contains the register 15 return code
X'5'	the module is not reentrant.
X'6'	the module had the wrong AMODE.

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1'	Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
X'2'	Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes reported in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.
X'5', X'6'	Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0420 *applid* Shared access to data tables cannot be
provided by this CICS system because it has not
been registered as a shared data table server -
reason code *X'code'*.

Explanation: CICS is about to open a data table but has been unable to do so because this CICS system has not been registered as a shared data table server. The value of the reason code, *X'code'*, provides further information about why this CICS system was unable to register (LOGON) as a shared data table server.

The format of the reason code is either: *X'ffaaaa'* in which *ff* is a value less than *X'80'* that identifies the type of failure, and

aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'axxxxxr' in which *a* is a value greater than or equal to X'8' that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

- X'01' This code is reported when the data tables SVC detects an unexpected error.
- X'02' Another region within the MVS image with the same APPLID as this region is already registered (logged on) as a shared data tables server.
- X'03' DFHDTRM has supplied the data tables SVC with an invalid address for the PC vector, or the PC vector specifies an invalid number of entry table entries (ETEs). In the latter case, X'aaaaaa' contains the number of ETEs that were requested.
- X'04' A failure occurred when attempting to establish an MVS resource manager for end-of-memory processing. The first byte of the additional information, X'aa0000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.
- X'05' A failure occurred when attempting to make the server address space permanently non-swappable. The additional information, X'aaaaaa', contains the low order 3 bytes of the code posted in an ECB that was specified when the SYSEVENT TRANSWAP macro was issued.
- X'06' An error was returned by the CICS SVC. The first byte of the additional information, X'aa0000' is the register 15 return code from the attempt to call the CICS SVC.
- X'0D' An error occurred when issuing an MVS ENQ to ensure that, at any given time, only one server per MVS system can be active for a given APPLID. The first byte of the additional information, X'aa0000' contains the return code from ENQ.
- X'10' An attempt to create the environment for shared data tables connect security checks has found that the security environment has already been set up.
- X'11' There is a disparity between the actual version of the CICS security block and the version which was used to assemble the shared data tables module DFHDTXS.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

- X'8' An ABEND was detected.
- X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).
- X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.
- X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and attempts to open the table for local use only. A system dump is taken for unexpected errors (X'*ff*' = X'01') and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

- X'01' Use the system dump to help you determine the cause of the problem.
 - X'02' There cannot be more than one region with a given APPLID acting as a shared data table server within the same MVS image.
 - X'03' This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.
 - X'04' Refer to the documentation of the MVS RESMGR macro to interpret the return code reported in the additional information part of the reason code.
 - X'05' Refer to the documentation of the MVS SYSEVENT macro to interpret the ECB contents reported in the additional information part of the reason code.
 - X'06' Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.
 - X'0D' Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.
 - X'10' This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.
 - X'11' This error might indicate that service has been applied which requires PTFs to both base CICS and the shared data tables code, and only one has been correctly updated, or that some corruption of the system has occurred, or that there is an error in CICS.
- ≥ X'80' When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid*, X'*code*'

DFHFC0421 *applid* Shared access to data tables cannot be provided by this CICS system because a storage failure has prevented it from registering as a shared data table server - reason code X'*code*'.

Explanation: CICS is about to open a data table but cannot do so because a failure to acquire storage has prevented the register of this CICS system as a shared data table server. The value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'*ttnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

- X'01' private storage from MVS subpool 253 (below the 16MB line) for a work area for module DFHQSSS or from MVS subpool 230 (key 0) for a work area used by the data tables SVC LOGON processing

X'0A' ECSA storage from MVS subpool 241 (key 0) for a qualified subsystem block

X'0B' ECSA storage from MVS subpool 241 (key 0) for a system anchor

X'0C' ECSA storage from MVS subpool 241 (key 0) for a server element

X'0D' ECSA storage from MVS subpool 241 (key 0) for a security block

System Action: CICS continues normally and attempts to open the table for local use only.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0422 *applid* Shared access to data tables cannot be provided by this CICS system because a module loading failure has prevented it from registering as a shared data table server - reason code *X'code'*.

Explanation: CICS is about to open a data table but cannot do so because a module loading failure has prevented the register of this CICS system as a shared data table server.

The value of the reason code, *X'code'*, provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is *X'mfrraaaa'* in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of *X'm'* can be:

X'5' DFHDTXS

The values of *X'f'* are:

X'1' module not found by LOAD

X'2' an error was returned by the MVS LOAD macro. The two bytes *X'aaaa'* of additional information in the reason code contain the completion code from the LOAD. *X'rr'* contains the register 15 return code.

X'5' the module is not reentrant.

X'6' the module had the wrong AMODE.

System Action: CICS continues normally and attempts to open the table for local use only.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1' Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2' Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6' Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted in some way.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0430 *applid* Data table open request for file *filename* has failed for reason *X'code'*.

Explanation: CICS has attempted to create a data table for file resource *filename* but has been unable to do so.

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the specified table.

User Response: This indicates an internal error or a corruption of your system. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0431 *applid* Data table open request for file *filename* has failed owing to a storage failure - reason code *X'code'*.

Explanation:

#

APAR PQ20499

#

Corrections to message DFHFC0431

CICS has attempted to create a data table for file resource
filename but has been unable to do so owing to a failure to get
storage. There is insufficient storage above the 16MB line and the
value of the reason code, *X'code'*, provides further information
about the type of storage which could not be obtained.

The format of the reason code is *X'tnnnnn'* in which *tt* identifies the type of storage and, for some of the codes, *nnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of *X'tt'* are:

X'03' private storage from MVS subpool 0 for a data table block

X'04' private storage from MVS subpool 0 for a file block

X'05' private storage from MVS subpool 0 for a pool of backout cells (the pool is created if the file being opened is the first recoverable user-maintained table to be opened in this CICS run)

X'06' private storage from MVS subpool 0 for a pool of table entry descriptor blocks, or for a descriptor block to be used when loading the table

X'07' private storage from MVS subpool 0 for data table index storage

X'08' storage for a pool of data table records in the MVS/ESA data space

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage then check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0435 *applid* Data table access request for remote file *filename* has failed for reason *X'code'*.

Explanation: An error has occurred while the requesting region was attempting to establish a connection to the remote file *filename* owned by the serving region. The value of the reason code, *X'code'*, provides further information about why CICS was unable to connect to the remote file.

The format of the reason code is either: *X'ffaaaaa'* in which *ff* is a value less than *X'80'* that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, *X'axxxxxr'* in which *a* is a value greater than or equal to *X'8'* that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When *X'code' < X'80000000'*, the values of *X'ff'* are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *aa0000*, is the register 15 return code from the attempt to call the CICS SVC.

X'07' The connection index returned by the data tables SVC exceeds the maximum value supported by the calling module ($2^{20} - 1$).

X'0A' The scan of the chain of files owned by the serving region has failed because there is a permanently invalid entry on the chain which indicates that the chain has become damaged.

X'0B' The number of connections by this requesting CICS region to the remote file is already at the allowed maximum ($2^{32} - 1$).

X'0C' The vector which records details of all connections to shared data tables by this requesting CICS region needs expanding, but this would cause it to equal or exceed a size of 16MB.

X'0F' An attempt to serialize with termination of the server has failed because the number of ENQs has reached the address space limit. The first byte of the additional information, *X'aa0000'*, contains the return code from the ENQ.

When *X'code' ≥ X'80000000'*, the values of *X'a'* are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be fully analyzed because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes. A system dump is taken for unexpected errors (*X'ff' = X'01'*) and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Requester initialization should have been completed before CONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDT SVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'07' Some changes to your system configuration should be made, as this requesting region is trying to access too many shared data tables owned by other regions. It is necessary either to reduce the number of remote files being used, or to split the requesting CICS region into a number of smaller regions.

X'0A' This indicates corruption of subpool 0 storage in the server region.

X'0B' This indicates that either the requesting region contains more than $2^{32} - 1$ remote file definitions, all of which refer to the same file in the server region, or that storage has been corrupted.

X'0C' Same response as *X'07'*.

X'0F' Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

≥ X'80' When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0436 *applid* Data table access request for remote file *filename* has failed because of a storage failure - reason code *X'code'*.

Explanation: CICS has attempted to access the remote file resource *filename* but cannot do so because of a failure to get storage.

The value of the reason code, *X'code'*, provides further information about the type of storage which could not be obtained:

The format of the reason code is *X'tnnnnnn'* in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of *X'tt'* are:

X'01' Private storage from MVS subpool 230 (key 0) for a work area used by module DFHDTXS or for a work area used by data tables SVC CONNECT processing.

X'0F' Private storage from MVS subpool 230 (key 0) for a connect vector

System Action: CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

As it indicates private storage, you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0440 *applid* Data table close request for file *filename* has failed for reason *X'code'*.

Explanation: CICS has attempted to close a data table for file resource *filename* but has been unable to do so.

System Action: CICS continues normally. The table is treated as having been closed.

A system dump is taken for unexpected errors (*X'ff' =X'01'*) and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'09' The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to

interpret the function code, qualifier, and register 15 return code reported in the reason code.

≥ X'80' When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0441 *applid* Data table close request for file *filename* has failed owing to a storage failure - reason code *X'code'*.

Explanation: CICS has attempted to close a data table for file resource *filename* but has been unable to do so owing to a failure to release storage.

The format of the reason code is *X'tnnnnnn'* in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of *X'tt'* are:

X'14' private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. The table is treated as having been closed.

User Response: You should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It may be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0445 *applid* Data table disconnect request for remote file *filename* has failed for reason code.

Explanation: CICS has attempted to disconnect from the remote data table *filename* but has been unable to do so.

An error has occurred while the requesting region was attempting to break the connection to the remote file *filename* owned by the serving region. The value of the reason code, *X'code'*, provides further information about why CICS was unable to disconnect from the remote file.

The format of the reason code is either: *X'f faaaaa'* in which *ff* is a value less than *X'80'* that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, *X'axxxxxr'* in which *a* is a value greater than or equal to *X'8'* that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When *X'code' < X'80000000'*, the values of *X'ff'* are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *aa0000*, is the register 15 return code from the attempt to call the CICS SVC.

When *X'code' ≥ X'80000000'*, the values of *X'a'* are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system. A system dump is taken for unexpected errors (*X'ff' = X'01'*) and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Requester initialization should have been completed before DISCONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

≥ X'80' When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, code*

DFHFC0446 *applid* Data table disconnect request for remote file *filename* has failed because of a storage failure - reason code *X'code'*.

Explanation: CICS has attempted to disconnect from the remote data table *filename* but has been unable to do so owing to a failure to release storage.

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system.

User Response: This indicates an internal error or a corruption of the system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0484 *applid* Shared data tables support is not available. The shared data tables initialization module cannot be loaded.

Explanation: The module DFHDTINS, which initializes support for shared data tables, cannot be loaded because:

- It cannot be found in a library specified in the DFHRPL library list nor in the link-pack area (LPA), or
- The attempt to load it has failed.

System Action: This CICS system is unable to use shared data tables support for any files which are defined as data tables and for any files which are defined as remote and which access data tables in other CICS systems within the MVS image. That is, this CICS system is unable to act as either a shared data tables server or as a shared data tables requester.

However, CICS is able to use the original level of data tables support (as would be provided by a CICS/ESA 3.3 system without the Shared Data Tables Feature installed) for any files which are defined as data tables. The restrictions of this level of support include the following:

- Unless shared data tables support is available in both the serving and requesting regions, data tables can only be accessed remotely by using function shipping.
- Browse, GENERIC, and GTEQ read requests to user-maintained data tables are not accepted.
- Only one file referring to a particular base data set is able to retrieve data from a CICS-maintained data table.

User Response: Ensure that the module DFHDTINS is in a library in the DFHRPL library list (normally this would be the SDFHLOAD load library of this CICS system), or that it is in the LPA of the MVS system. If the module is correctly located, you will require assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0490 *applid* Unable to use data table for file *filename*.

Explanation: The data set to which file *filename* relates has an associated data table but CICS is unable to make use of the table data owing to a lack of storage.

System Action: CICS continues normally. Performance of read-only accesses to the file is degraded because records cannot be retrieved from the table.

User Response: Ensure that there is sufficient storage in the CICS region outside the EDSA.

See the *CICS/ESA Shared Data Tables Guide* for further guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

+ DFHFC0920 applid Open of empty file filename failed. VSAM**+ codes - eeee,rrrr,cccc**

+ Explanation: CICS file control issued an open command for VSAM file *filename* but the command failed with VSAM return code *cccc*. The CICS internal error code *eeee* has a value of 8509 and *rrrr* is the return code in register 15.

+ This open failure is probably caused by the file not being loaded before use by CICS.

+ System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

+ Message DFHME0116 is normally produced containing the symptom string for this problem.

+ VSAM issues a console error message.

+ User Response: Check whether the file has been loaded before being accessed by CICS. This condition is probably the result of a user error in passing an empty file to CICS.

+ For the meaning of the VSAM return code, see MVS/DFP Macro Instructions for VSAM Data Sets.

+ Destination: Console

+ Module: DFHFCFS

+ XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0921 applid Open of file fileid failed. Batch backout needed. Error codes: eeee,cccc,dddd

Explanation: It was not possible to open file *fileid* since the base cluster block was found to have the 'Backout Failed' flag set on. A batch backout utility should be run to correct the base cluster data, and then the flag must be set off via a SET DSNAME(...) NORMAL command.

The value of *eeee* is 8512, and this represents the CICS internal error code.

The values of *cccc* and *dddd* represent VSAM codes, and these are zero.

System Action: The file remains closed.

User Response: If the file is not the CSD, run a batch backout utility, check the data in the base cluster, and issue a SET DSNAME(...) NORMAL command.

If the file is the CSD, run a batch backout utility, then delete and redefine the global catalog entry. This forces a cold start. For more information on how to use the batch backout utility IBM CICS VSAM Recovery MVS/ESA (CICSVR), see the *CICS/ESA Recovery and Restart Guide*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, fileid, eeee, cccc, dddd*

DFHFC0922A applid Base data set closed, batch backout needed for base dsname

Explanation: This message is preceded by messages DFHFC4600 and DFHFC4601 or by messages DFHFC5712 and DFHFC5713 which have been issued because file backout has been unable to back-out uncommitted changes made to this base cluster data set.

All files open against this data set have now been closed (or are in a 'close requested' state).

A special 'end' type of 'Backout Failed' record has been written to the system journal to inform a batch backout utility of this fact. The base cluster control block has been flagged 'Backout Failed'. You cannot open a file against this base cluster data set until the flag has been reset via a CEMT or EXEC CICS SET DSNAME(base) NORMAL command. You may now switch the system log, archive it, and backout the uncommitted changes offline from CICS.

System Action: The system continues as normal.

User Response: Use the CEMT INQUIRE DSNAME FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: Console

Module: DFHFCBF

XMEOUT Parameters: *applid, base dsname*

DFHFC0931 applid OPEN of data table name failed for reason n.

Explanation: CICS was unable to OPEN the user-maintained data table *name* for reason *n*, where *n* may have one of the following values:

- 1 The data table support initialization module DFHDTINT could not be loaded.
- 2 A data table support module other than DFHDTINT could not be loaded.
- 3 The source data set for the data table is not a KSDS base data set.
- 4 The data table OPEN module DFHDTOC failed.
- 5 A higher level of MVS is required.

System Action: The data table remains closed and is DISABLED. CICS processing continues.

User Response: The appropriate user response depends on the reason code *n* as follows:

- 1 Check that the data table feature has been installed in your system, and that DFHDTINT is present in the library.
- 2 Look for an MVS console message indicating failure to load module DFHDTxxx. Ensure that this module is present in the library.
- 3 Check whether the data table has been associated with the intended source data set.
- 4 Check whether the total storage necessary to run data tables and any other functions exceeds the total private area for the MVS task.
- 5 Check the level of your MVS system. Data table support requires at least MVS/SP 3.1..

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name, n*

DFHFC0932 *applid* OPEN of data table *name* was incomplete for reason *n*.

Explanation: CICS was unable to treat *name* as a CICS-maintained data table for reason *n*.

System Action: The data table's source data set is opened for access as a normal VSAM data set, and no main storage table is built. CICS processing continues.

User Response: The appropriate user response depends on the reason code *n*. Refer to message DFHFC0931 for a list of reason codes and their appropriate user responses.

Urgent action is probably not necessary when this message occurs, as no function has been lost. However, READ performance may be adversely affected.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name, n*

DFHFC0933 *applid* MVS FREEMAIN failure detected during CLOSE of data table *name*.

Explanation: An MVS FREEMAIN, issued while CICS was attempting to release the storage associated with data table *name*, returned the error response R15=4. Some storage in the CICS address space has not been freed. The error is probably the result of some earlier overwriting of data table control areas.

System Action: CICS closes data table *name*. CICS processing continues.

User Response: This condition does not adversely affect the data tables function. However, if the problem recurs take a system dump (SDUMP) as soon as possible after the appearance of this message. For example, by means of a CEMT PERFORM SNAP command.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0934 *applid* OPEN of data table *name1* was incomplete. Data table *name2* already open with same source.

Explanation: CICS was unable to treat data table *name1* as a CICS-maintained data table because the data set to be used as its source was already in use as the source of the CICS-maintained data table *name2*.

Note: If the Shared Data Tables feature is installed, the interpretation of this message is slightly different. The system action remains the same but the implication is different in that file *name1* is able to access the CICS-maintained table created as a result of opening *name2*.

System Action: CICS opens the data table's source data set for access as a normal VSAM data set, however it does not build a main storage table. CICS processing continues.

User Response: Investigate the reason why this clash has occurred. You may have misspelled a name, or you may not have intended for the tables to be open concurrently, or one table may have been associated with the wrong data set by either the JCL or the DSNAMES parameter in the DFHFCT TYPE=CICSTABLE entry.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name1, name2*

DFHFC0935 *applid* SHAREOPTIONS of the source for data table *name* allow inconsistencies between table and source.

Explanation: The cross region SHAREOPTION for the source data set associated with the data table *name* is 3 or 4, or the SHAREOPTION is 2 and the table is being opened only for read access. It is possible for another job in this MVS system to update the source without notifying CICS. The result of this is that the data table may no longer match the source data set.

System Action: Opening and loading of the data table continues normally. CICS processing continues.

User Response: Check that the SHAREOPTION is specified correctly and that the DISP parameter is correct.

Note that source data set changes are reflected in the data table only when the changes are made by the CICS system which owns the table.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0936 *applid* Initiation of loading of data table *name* has failed.

Explanation: An attempt to initiate the table loading transaction for the data table *name* has failed.

System Action: CICS processing continues. The effect this has is that the table always appears to be in the process of being loaded and the load completion exit, XDTLC, is not invoked.

One consequence of this is that the table is effectively **demand loaded**. This means that an entry is only made in the table when a transaction refers to it explicitly. A further consequence is that, for user maintained tables, API requests (other than READ) always result in a LOADING condition.

User Response: Take remedial action after determining the cause of the failure from the trace of the OPEN request and from any related messages and dumps. It may be that the system action of leaving the table open, but not loaded, adversely affects your application. For example, if the application depends on being able to update a user maintained table as soon as loading is complete. If so, closing and reopening the data table may be successful as an immediate response, if the problem was simply a temporary lack of resources.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0937 *applid* OPEN of *name1* as a data table was not possible. The file has been opened and will use data table *name2* which has the same source.

Explanation: File *name1* could not be opened as a CICS-maintained data table (CMT) because another CMT *name2* is already open for the source data set specified in the file definition of *name1*. However, *name1* is still able to benefit from shared data tables support by accessing the already open CMT.

System Action: *name1* is opened as a normal CICS file, and therefore automatically uses the existing data table *name2* whenever possible.

User Response: This is not normally a problem, but you should ensure that the data table *name2* has the required characteristics in

terms of its maximum number of records and in the behavior of any data table user exits that refer to it.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name1, name2*

DFHFC0940 I *date time applid* CICS data table load has started for data table *name*.

Explanation: CICS file control has detected that an open request has been issued for data table *name*, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0941 I *date time applid* CICS data table load has completed successfully for data table *name*.

Explanation: The task that was attached to load the data table *name* has successfully completed loading.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0942 E *date time applid* CICS data table load has terminated abnormally for data table *name*, reason code = *X'xx'*.

Explanation: The CICS task that is loading data table *name* has received a reason code *X'xx'*, where *X'xx'* has one of the following values:

- X'FB'** CICS file control has requested that the data table load be abandoned. This may occur, for example, if a close request has been made against the data table
- X'FD'** an attempt has been made to add more entries to the data table than the maximum specified in the table definition
- X'FE'** a shortage of virtual storage has been reported by the add entry (from DASD) service, due to a failure to get storage for the record.

System Action: The user exit XDTLC is invoked, if enabled, unless file control has requested that the load be abandoned (reason code *X'FB'*). The value of the UEPDTORC parameter passed to the exit indicates that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added results in a "not found" response code. If the table has been closed, then API requests result in an "unenabled" response code.

CICS processing continues.

User Response: The appropriate user response depends on the reason code. User responses are as follows:

- X'FB'** no action necessary
- X'FD'** increase the size specified for the data table, either using the SIZE parameter in the FCT entry or the MAXNUMRECS field in the CEDA definition
- X'FE'** increase the available storage above the 16MB line.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name, X'xx'*

DFHFC0943 E *date time applid* CICS data table load has terminated abnormally for data table *name*, reason code = *X'xx'*.

Explanation: The CICS task that is loading data table *name* has received an unexpected return code from CICS file control while browsing the source data set. The reason code *X'xx'* should be one of the following.

- X'02'** ILLLOGIC—A VSAM error which does not fall into one of the other categories.
- X'0C'** NOTOPEN—The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.
- X'0D'** DISABLED—The file is disabled.
- X'80'** IOERR—I/O error.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user maintained, requests to access any record which was not added results in a "not found" response code. If the table has been closed, API requests result in an "unenabled" response code.

CICS processing continues.

User Response: Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR and READNEXT commands, in the *CICS/ESA Application Programming Reference*.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name, X'xx'*

DFHFC0945 E *date time applid* CICS data table load has terminated abnormally for data table *name*.

Explanation: The special CICS transaction that was loading data table *name* has detected an abnormal termination.

System Action: Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. CICS then terminates the loading transaction with abend code

AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added, are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added result in a "not found" response code. If the table has been closed, then API requests result in an "unenabled" response code.

CICS processing continues.

User Response: Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code AFCM for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0946 E *date time applid* **CICS data table load has terminated abnormally for data table *name*, a call to FCFR has failed for reason code = *n*.**

Explanation: The CICS task that is loading data table *name* has failed while calling file control to browse the source data set. The value of the reason code *n* indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with parameter UEPDORC set to indicate that loading has completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, records which were not added are retrieved from the source data set to satisfy API requests. If the table is user-maintained, requests to access any record which was not added result in a "not found" response code. If the table has been closed, API requests result in an "unenabled" response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name, n*

DFHFC0947 E *date time applid* **CICS data table load has failed to close data table *name*, a call to FCFS has failed for reason code = *n*.**

Explanation: The CICS task that is loading data table *name* has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code *n* indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

System Action: CICS terminates the loading transaction with abend code AFCM.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table *name*. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name, n*

DFHFC0948 E *date time applid* **CICS data table load for data table *name* has failed to free storage, a call to SMGF has failed for reason code = *n*.**

Explanation: The CICS task that is loading data table *name* has failed while calling the storage manager to free storage. The value of reason code *n* indicates the type of failure as follows:

1. Response from SMGF was INVALID.
2. Response from SMGF was DISASTER.
3. Response from SMGF was PURGED.
4. SMGF failed for some unexpected reason.

System Action: CICS terminates the loading transaction with abend code AFCM.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This condition does not adversely affect the data tables function. It means that a small amount of above the line storage, which was used for a parameter list, has not been freed. If this situation occurs regularly, determine the cause of the failure of the storage manager FREEMAIN call by using the diagnostic information provided by the storage manager domain.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLDX

XMEOUT Parameters: *date, time, applid, name, n*

DFHFC0950 *applid* Warning. File *filename* Opened with VSAM SHROPT 3 or 4. CICS cannot prevent concurrent updates

Explanation: VSAM share options 3 and 4 permit updating of a data set from multiple regions. Under these circumstances, CICS cannot prevent concurrent updates.

The file is being opened for update against a data set defined with share options 3 or 4, and the file has been defined with the following auto-journaling options:

Either: JREQ=WU or WN if the file is defined using the FCT macro,

Or: JNLADD = BEFORE, AFTER, OR ALL if the file is defined using RDO.

System Action: The file is opened and a warning message is issued.

User Response: None.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename*

DFHFC0951 *applid* Open of file *filename* failed. DSNAME not available from JCL or FCT

Explanation: A CICS attempt to open file *filename* failed because neither the JCL nor the FCT specified the data set name.

CICS file control did not open file *filename*, because:

1. At initialization time, the startup JCL did not include a DD statement, *and*
2. No user-submitted routine allocated the file dynamically, *and*
3. The FCT does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Before resubmitting the transaction, you must supply the data set name in the JCL or the FCT. You can set the name in the FCT while CICS is running by using the CEMT transaction or the EXEC CICS SET command or by using CEDA to correct and reinstall the FCT entry.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0952 *applid* Dynamic allocation of file *filename* failed. Return code *rrrr,cccc*

Explanation: While dynamically allocating file *filename*, CICS file control issued an MVS DYNALLOC macro. The DYNALLOC failed with return code *cccc*. *rrrr* is the additional return code in register 15.

System Action: CICS continues with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: for the meaning of the DYNALLOC return codes, refer to the *MVS/ESA Authorized Assembler Programming Guide*, GC28-1645.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0953 *applid* Open or close of file *filename* failed. CICS logic error *eeee,cccc*

Explanation: While processing a request to open or close file *filename*, CICS detected an internal logic error in the file control services program. The value of *eeee* identifies the error as follows:

- 8105** The DFHFCFS set base dsname block failed. *cccc* is the return code from DFHFCFS.
- 8302** Request to DFHFCN for a pool that is not in the FCT.
- 8701** Request to DFHFCN is not OPEN or CLOSE.
- 8704** Request to DFHFCL is not BUILD or DELETE.
- 8705** Request to DFHFCL is for invalid pool number *cccc*.
- 8706** Request to DFHFCL is for pool number *cccc* that is not in the FCT.
- 8707** DFHFCL failed to build BLDVRP parameters. *cccc* is the pool number.
- 8798** Logic error at OPEN detected in DFHFCN at offset *cccc*.

System Action: CICS terminates the task abnormally, produces a dump and continues processing with the status of file *filename* unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition either by CEDA DEFINE LSRPOOL or by DFHFCT TYPE=SHRCTL), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0954 *applid* Open of file *filename* failed. No disposition specified for dynamic allocation

Explanation: CICS file control cannot open file *filename*, because it is not allocated. It is not allocated because:

1. At initialization time, the startup JCL did not include a DD statement, *and*
2. The FCT does not contain a DISP parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file are sent a NOTOPEN condition.

User Response: If you want to use file *filename* in this run, supply the DISP parameter with the CEMT transaction or with a user transaction using the EXEC CICS SET command. When you have done this, transactions are able to access the file successfully.

The change described above is only effective for the lifetime of the CICS system. A permanent disposition definition of a file can be made either through a JCL DD statement, through a DEFINE file command, or through the DISP=operand of a macro FCT definition.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0955 *applid* **Associated data set is dataset**

Explanation: This message follows DFHFC0952. It identifies the VSAM data set referred to in that message.

System Action: Processing continues in the way specified in DFHFC0952.

User Response: Follow the user response for message DFHFC0952.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, dataset*

DFHFC0956 *applid* **Open of file filename failed. VSAM catalog error. Return code - eeee,cccc**

Explanation: While reading the VSAM catalog to open the VSAM data set *filename*, CICS file control received the return code *cccc* from a SHOWCAT macro. The value of *eeee* is an error code from DFHFCN as follows:

8112 SHOWCAT for the AIX of a path failed.
8113 SHOWCAT for the data component of a base failed.
8116 SHOWCAT for the base of a path failed.
8117 SHOWCAT for an upgrade member failed.

System Action: CICS writes a system dump, and continues processing, with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the return code, see *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0958 *applid* **Open of file filename failed. VSAM resource usage conflict with open file**

Explanation: CICS did not open file *filename* because it found that its access method control block (ACB) specified a different buffer/string resource (NSR or LSR pool) from that specified by another ACB that is already open for the same base cluster.

VSAM provides integrity for different ACBs open for the same base cluster only if they use the **same** buffer/string resource.

System Action: CICS writes a system dump and continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Determine the correct buffer/string resource and change the FCT.

Alternatively, if you specify DSNSHR=UPDATE in the FCT and open the file for read only, CICS permits the use of different buffer/string resources because no integrity exposure exists.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0959 *applid* **Open or close of file filename failed. CICS detected an error. Return code - eeee,cccc**

Explanation: CICS did not open/close file *filename* because the open/close MVS subtask failed. Possible causes of the failure include:

- MVS attempted to abend the task due to a failure in VSAM or MVS code.
- A CICS logic failure in subtask code.
- A transaction attempted to open or close a file during CICS shutdown, after the subtask had terminated.

cccc is the return code from DFHSKP. The value of *eeee* is as follows:

8801 DFHSKP failure during RDJFCB call
8802 DFHSKP failure during ALLOCATE call
8803 DFHSKP failure during CDLOAD call
8804 DFHSKP failure during BDAM OPEN call
8805 DFHSKP failure during OPEN VSAM call
8806 DFHSKP failure during SHOWCAT call
8807 DFHSKP failure during VSAM GET call
8808 DFHSKP failure during BDAM CLOSE call
8809 DFHSKP failure during VSAM CLOSE call
880A DFHSKP failure during DEALLOCATE call
880C DFHSKP failure during VSAM OPEN call
880D DFHSKP failure during VSAM CLOSE call
880D DFHSKP failure during ALLOCATE call
880E DFHSKP failure during DEALLOCATE call
8816 DFHSKP failure during FCL RDJFCB call.

System Action: CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file *filename* unchanged.

If the return code from DFHSKP is 001C, dynamically allocated data sets might not be deallocated and the LSR pool might not be deleted.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS or another IBM program. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0960 *applid* **Open of file filename failed. Unable to build its LSR pool n. Return code - cccc**

Explanation: CICS has requested VSAM to build the local shared resource (LSR) pool specified in the FCT entry for file *filename*. However, VSAM was unable to complete the request. *n* is the pool number, and *cccc* is the VSAM BLDVRP return code.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Note: The first time this error occurs, CICS writes a system dump before continuing.

DFHFC0961

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the BLDVRP return code, see *MVS/DFP Macro Instructions for VSAM Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, n, cccc*

DFHFC0961 *date time applid* Calculation of LSR pool *n* parameters incomplete. Filename *filename* has no DSNAME

Explanation: While dynamically calculating the parameters for the local shared resource pool (LSR) *n*, CICS found an FCT entry for which no DSNAME exists (either the FCT entry has no DSNAME, or no DD statement exists).

System Action: CICS processing continues.

Without a DSNAME, CICS cannot use the VSAM catalog to determine the file attributes. Therefore, in the LSR calculation, CICS uses the number of strings specified in the STRNO + parameter but does not use the BUFFERS or KEYLEN information.

User Response: Ensure that each FCT entry has either a DSNAME, or a DD statement corresponding to its DATASET name.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, n, filename*

DFHFC0962 *date time applid* Calculation of LSR pool *n* parameters incomplete for file *filename*. VSAM catalog access error. Return code - *cccc*

Explanation: While CICS was dynamically calculating the parameters for the local shared resource (LSR) pool *n*, a VSAM SHOWCAT or a VSAM LOCATE failed with return code *cccc*. Parameters for file *filename* are incomplete.

System Action: CICS retains the accumulated LSR parameters for file *filename* and continues processing. No further attempts at calculating LSR parameters for file *filename* are made.

An exception trace is taken which identifies the failing VSAM request and its return code.

User Response: For the meaning of the return code, see *MVS/DFP Macro Instructions for VSAM Data Sets*. This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCL

XMEOUT Parameters: *date, time, applid, n, filename, cccc*

DFHFC0963 *applid* LSR pool *n* not deleted. Code - *cccc*

Explanation: CICS requested VSAM to delete a local shared resource (LSR) pool *n*. During processing of the request, a VSAM DLVRP macro failed with return code *cccc*. (*cccc* is the VSAM DLVRP return code.)

System Action: CICS takes a system dump and continues processing with the pool still in existence.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the DLVRP return code, see the *MVS/DFP Macro Instructions for VSAM Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, n, cccc*

DFHFC0964 *applid* Open of file *filename* failed. VSAM codes - *eeee,rrrr,cccc*

Explanation: CICS file control issued an open for a VSAM file, *filename*. The open has failed with VSAM return code, *cccc*. *eeee* has a value of 8502 and represents the CICS internal error code and *rrrr* is the return code in register 15.

System Action: CICS continues processing, with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see the *MVS/DFP Macro Instructions for VSAM Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0965 *applid* Open of DAM file *filename* failed

Explanation: CICS file control issued an open for a BDAM file, *filename*. The open failed.

System Action: CICS continues processing, with file *filename* closed and with its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: BDAM will have issued a console error message. Refer to the BDAM message for further guidance to solve the problem.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0966 *applid* Open of file *filename* failed. Unable to position ESDS. Error codes: *eeee,rrrr,cccc*

Explanation: Before opening the VSAM ESDS file *filename* for output, CICS file control could not determine the end-of-data relative byte address (RBA) correctly. During the positioning process, CICS may perform **any** of the following steps, each of which can fail:

- Dynamically allocate the base cluster to DDname DFHESDS (if it is a path that is being opened)
- Open the base cluster for control interval (CI) processing
- Read the last CI in the file
- Determine the end-of-data in the file
- Close the base cluster
- Dynamically deallocate the base cluster.

The value of *eeee* in the message indicates the error or the failing function as follows:

- 8503** Open base cluster. *rrrr* is the VSAM return code in register 15. *cccc* is the error field in the VSAM ACB.
- 8504** Read last control interval (CI). *rrrr* is the VSAM return code in register 15. *cccc* is the FDBK field in the VSAM RPL.
- 8505** Last CI middle of spanned record.
- 8506** Close base cluster. *rrrr* is the VSAM return code in register 15. *cccc* is the error field in the VSAM ACB.
- 8507** Insufficient storage to get CI
- 8508** Dynamic allocation of base. *rrrr* is the MVS return code in register 15. *cccc* is the MVS DYNALLOC return code.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the VSAM return codes, see the *MVS/DFP Macro Instructions for VSAM Data Sets*. For the meaning of the DYNALLOC return codes, refer to the *MVS/ESA System Programming Reference: Application Development Guide*. CICS file control uses control interval processing when opening a VSAM ESDS. Therefore, ensure that you have specified ACCESS(CONTROL) for the data set.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0967 *applid* Error detected while closing file *filename* - VSAM codes *rrrr,cccc*

Explanation: CICS file control issued a close for VSAM file *filename*. The close failed with VSAM return code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS processing continues. CICS marks file *filename* as closed because VSAM will have closed the access method control block (ACB).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM return code, *cccc* and the preceding VSAM console message to determine the cause of the problem.

For the meaning of the VSAM return code, see *MVS/DFP Macro Instructions for VSAM Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0968 *applid* Close of BDAM file *filename* failed

Explanation: CICS file control issued a close for a BDAM file, *filename*. The close failed.

System Action: CICS continues, with file *filename* still open.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: BDAM will have issued a console error message. Use the BDAM message to solve the problem.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0969 *applid* Close of file *filename* failed. CICS logic error - 8799 *rrrr,cccc*

Explanation: While attempting to close file *filename*, CICS detected internal logic error 8799 in the file control services program. *cccc* is the offset in DFHFCN at which the error occurred.

System Action: CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file *filename* unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0970 *applid* Warning. Recoverable file *filename*, Opened with VSAM SHAROPT 3 or 4. CICS cannot ensure integrity

Explanation: While opening the recoverable VSAM file *filename* for update, CICS detected that it was defined with SHAREOPTION 3 or 4, which allows updating from multiple regions. CICS issues this message to warn you that it cannot ensure data integrity.

System Action: CICS opens file *filename* and continues processing.

User Response: If this integrity exposure is acceptable, no further user action is required.

If this integrity exposure is unplanned and unacceptable, cancel CICS, redefine file *filename* with a different SHAREOPTION, and restart.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0971 *applid* Open of file *filename* warning. In positioning ESDS. Error codes: *rrrr,cccc*

Explanation: Before opening the VSAM ESDS file *filename* for output, CICS file control had to determine the end-of-data relative byte address (RBA). The positioning process involved the dynamic allocation and deallocation of the base cluster to DDname DFHESDS. The deallocation failed.

The MVS DYNALLOC return code is *cccc*. *rrrr* is the additional return code in register 15.

System Action: CICS opens the file *filename* and continues processing.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the DYNALLOC return codes, see the *MVS/ESA System Programming Reference: Application Development Guide*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0972 *applid* Open of file *filename* failed. VSAM catalog entry not found, return code - 8111 *cccc*

Explanation: While opening a VSAM file *filename*, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the FCT. This initial retrieval failed with VSAM return code *cccc* from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: You have probably specified DSNAME incorrectly in the FCT. If DSNAME is correctly specified, see the explanation of the SHOWCAT return code in *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, cccc*

DFHFC0973 *applid* Dynamic deallocation of file *filename* failed. Return code - *rrrr,cccc*

Explanation: While closing file *filename*, CICS file control issued the MVS macro, DYNALLOC, to dynamically deallocate the file. Deallocation failed with the MVS return code, *cccc*. *rrrr* is the return code in register 15.

System Action: CICS continues with the file closed, but still allocated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you change the DSNAME in the FCT, and then reopen the file in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, refer to the *MVS/ESA System Programming Reference: Application Development Guide*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0974 *date time applid* Calculation of LSR pool *n* parameters incomplete for file *filename*. VSAM catalog inconsistency - *oooo*

Explanation: While dynamically calculating local shared resource (LSR) parameters for file *filename*, CICS found that a VSAM SHOWCAT macro gave a normal return code, but the object retrieved was logically incorrect. *n* is the pool number, and *oooo* is the VSAM object type in error.

System Action: CICS retains the accumulated LSR parameters for file *filename*, and continues processing. No further attempts at calculating LSR parameters for file *filename* are made.

User Response: This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCL

XMEOUT Parameters: *date, time, applid, n, filename, oooo*

DFHFC0975 *applid* LSR pool *n* already exists

Explanation: CICS requested VSAM to build the local shared resource (LSR) pool *n*. However, this pool already exists.

System Action: CICS continues processing. If the existing pool is unsuitable, subsequent file OPENS may fail.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool *n*.)

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, n*

DFHFC0976 *applid* File *filename* not opened. DSNAME = DUMMY

Explanation: CICS could not open file *filename*, because the DSNAME in the DD statement was DUMMY.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: None.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename*

DFHFC0977 *applid* Open of file *filename* failed. VSAM catalog error. Return code - *eeee,cccc*

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog, an SVC 26 (LOCATE macro) failed with return code *cccc*. *eeee* is the DFHFCN return code, as follows:

8114 SVC 26 failed on index or data.

8115 SVC 26 failed on base cluster.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: For the meaning of the return code, see *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0978 *applid* Open of file *filename* failed. VSAM catalog error. Return code - *eeee*

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog, the CICS file control open/close routine (DFHFCN) detected a CICS logic error. *eeee* is as follows:

8118 A VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.

8119 In a VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.

811A In a VSAM catalog entry for a base cluster, the data association or the index association is missing.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Obtain a VSAM LISTCAT listing for file *filename*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee*

DFHFC0979 *date time applid* LSR pool *n* parameters incomplete for file *filename* Entry not found. RC - *rrrr*

Explanation: While dynamically calculating VSAM local shared resource (LSR) parameters, CICS attempted to retrieve information from the VSAM catalog using the data set name in the FCT entry for file *filename*. The catalog access failed with the VSAM return code *rrrr* from the SHOWCAT macro.

System Action: CICS continues processing, but does not use any parameters for file *filename* in calculations for the LSR pool.

User Response: Ensure that you have correctly specified the JCL for the file, and that the catalog containing the file is included in the JCL. If these checks do not reveal the error, see the meaning of the SHOWCAT return code, *rrrr*, in *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, n, filename, rrrr*

DFHFC0980 *applid* Open of base for file *filename* failed. CICS logic error *eeee,cccc*

Explanation: While trying to open the VSAM ESDS base of a path through which a record insert has been requested for file *filename*, CICS has detected an internal logic error. *eeee* is as follows:

8E01 Request to DFHFCM is not OPEN or CLOSE.
8E99 Logic error during DFHFCM processing at offset *cccc*.

System Action: CICS takes a system dump and terminates the transaction abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0981 *applid* Dynamic allocation of base for file *filename* failed. Return code *rrrr,cccc*

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS file control issued an MVS DYNALLOC command which failed with the return code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: For the meaning of the DYNALLOC return codes, refer to the *MVS/ESA System Programming Reference: Application Development Guide*.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0982 *applid* Open of base for file *filename* failed. VSAM codes - *rrrr,cccc*

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS file control issued an OPEN which failed with the VSAM error code *cccc* from the ACB. *rrrr* is the VSAM return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: VSAM issues a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see the *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0983 *applid* Close of base for file *filename* failed. CICS logic error *eeee,cccc*

Explanation: While trying to close the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS has detected an error. *eeee* is as follows:

8E05 Failure in DFHFCM to close VSAM base. *cccc* is the error code from the VSAM ACB.
8E07 SVC 99 dynamic deallocation in DFHFCM failed. *cccc* is the SVC 99 error return code.

System Action: CICS takes a system dump and continues processing, with base left open.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0986 *applid* Open of base for file *filename* failed. CICS detected error *eeee,cccc*

Explanation: CICS did not open/close the base for file *filename* because the open/close MVS subtask failed while opening or closing the KSDS (VSAM key-sequenced data set) base of a path through which a record insert had been requested.

Possible causes of the failure include:

- MVS attempted to abend the task due to a failure in VSAM or MVS code.
- A CICS logic failure in subtask code.
- A transaction attempted to open or close a file during CICS shutdown, after the subtask had terminated.

cccc is the return code from DFHSKP. The value of eeee is as follows:

8E11 DFHSKP failure on DFHFCM ALLOCATE call.
8E12 DFHSKP failure on DFHFCM OPEN call.
8E13 DFHSKP failure on DFHFCM CLOSE call.
8E14 DFHSKP failure on DFHFCM DEALLOCATE call.

System Action: CICS terminates the task abnormally, takes a system dump, and continues processing.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS or another IBM program. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0987 *applid* Open of file *filename* failed: Not available for type of processing. VSAM codes - 0008, 00A8

Explanation: When CICS attempted to open the VSAM file *filename*, the OPEN failed with the VSAM return codes shown in the message text. The probable reason for the failure is that the data set is in use by another region or another ACB in the CICS region, and that the VSAM share options prohibit the level of sharing needed to permit the OPEN.

System Action: CICS continues processing, with the file left closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the data set is in use by another user, wait until it is free and then retry the OPEN.

If the problem recurs and you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0988 *applid* Open of file *filename* failed. This data set type is not supported by CICS.

Explanation: An attempt to open file *filename* has failed because the file referenced a data set of a type not supported by CICS.

CICS File Control supports opening VSAM KSDS, ESDS and RRDS data sets, paths over KSDS and ESDS data sets, and BDAM data sets. No other data set types are supported. For example, CICS does not support opening a VSAM VRRDS or a VSAM linear data set.

System Action: CICS continues processing with *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You have probably specified DSNAME incorrectly in the file definition. Correct the file definition.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0989I *applid* Open of file *filename* will be delayed because the associated data set *dataset* is being recalled.

Explanation: File *filename* is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

System Action: The open of file *filename* will be delayed until its associated data set has been recalled.

User Response: None.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename, dataset*

DFHFC0990 *applid* Open of file *filename* failed. Recovery specified, but the path is not in the upgrade set. Base data set *dsname*

Explanation: An attempt was made to open a recoverable file, associated with a VSAM path over an alternate index, for update processing (SERVREQ=ADD, DELETE or UPDATE set). However, the alternate index is not in the upgrade set of the base. CICS detects this condition and does not attempt to open the file.

If the alternate index is not in the upgrade set of the base, any updates made via the base are not reflected in the alternate index and so updates made via the path may compromise data integrity. Note the open of the path fails if RECOVERY=ALL or RECOVERY=BACKOUTONLY is specified on the path FCTE entry, or on the base data set.

The base takes the recovery attributes of the first file to open for update against it since a cold start. Those attributes remain in force on the data set, and consistency checks are performed between the FCT entry and the data set at file open time.

System Action: CICS continues processing with file *filename* closed and not enabled.

User Response: Take the data set offline and redefine the alternate index with the UPGRADE option. Run a BLDINDEX job to bring the alternate index up to date with the base data set and then retry the open of the file.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC0991 *applid* Open of file *filename* failed. Recovery attributes conflict with those on the VSAM data set - cccc. Base data set *dsname*

Explanation: An attempt was made to open a file *filename* for update processing. (SERVREQ=ADD, DELETE or UPDATE set), CICS detected that the recovery attributes on the file were inconsistent with those in force on the VSAM base data set. The file was not opened in order to maintain data integrity.

The data set takes the recovery attributes of the first file to open for update against it since a cold start. Code *cccc* identifies the inconsistency found and takes the following values:

8514 Both the file and the data set have RECOVERY=ALL specified, but the forward recovery logs specified are different.

8515 The data set has RECOVERY=BACKOUTONLY or RECOVERY=NONE specified, and the file is trying to open with RECOVERY=ALL.

- 8516** The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.
- 851B** The file specified RECOVERY=NONE or BACKOUTONLY. The VSAM data set had RECOVERY=ALL specified.
- 851C** The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

System Action: CICS continues processing with file *filename* closed and not enabled.

User Response: Ensure that files referencing the same VSAM data set have the same recovery attributes specified.

Alter the FCT entries using the CEDA ALTER FILE command and reinstall the group, or alter the FCT macro definition of the file. Note that this reassembled FCT only takes effect at the next CICS COLD start.

To nullify the recovery attribute set for the base data set, the user can issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block, and leaves CICS with no record of prior recovery settings for this VSAM data set. The **first** file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

If you want to have files referencing the same VSAM data set with different **backout** recovery attributes you should use Global User Exit XFCNREC.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, cccc, dsname*

DFHFC0995 *applid* **Hiperspace allocation for LSR pool *n* was incomplete or zero.**

Explanation: CICS requested VSAM to provide hiperspace buffers when building local shared resource (LSR) pool number *n*, but there was insufficient expanded storage available to satisfy the request completely.

System Action: CICS continues processing. VSAM uses the buffers it has been able to provide.

User Response: Review your installation's use of expanded storage and use MVS facilities to adjust its allocation, or change your RDO LSRPOOL definition or DFHFCT TYPE=SHRCTL definition, to reduce the hiperspace buffer requirements for pool *n*.

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, n*

DFHFC0996 *date time applid {Open | Close | Enable | Disable}* of file *filename* **suppressed due to intervention of User Exit.**

Explanation: An open, close, enable or disable, request has been issued against the specified file. An exit program enabled at the global user exit point XFCNREQ in CICS file control has directed CICS not to carry out the request.

System Action: If the request being issued is an enable, disable, or close request, the file state remains unchanged, that is, it remains in the same state as before the request was issued.

If the request is an open request, the state remains unchanged unless the file was in a closed, enabled state. In this state, the

open request could be an implicit open request, (that is, the file is being opened as part of a file API request). If it is an implicit open request, the file state is changed to closed unenabled to ensure the file API request is halted, and a NOTOPEN condition is returned to the application.

User Response: Examine the reason for the command being suppressed. This is installation specific.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, {1=Open, 2=Close, 3=Enable, 4=Disable}, filename*

DFHFC0998 *applid* **User exit XFCNREC is causing file *filename* to be opened even though a file recovery inconsistency of type *X'code'* exists. CICS cannot guarantee data integrity for base data set *dsname***

Explanation: An attempt was made to open file *filename* for update processing, (SERVREQ=ADD, DELETE or UPDATE set), and CICS detected that the backout recovery attribute on the file was inconsistent with that on the VSAM base data set. Normally CICS would fail the open on detection of an inconsistency. However, a program running at user exit XFCNREC has indicated that the open should continue even though an inconsistency has been detected. CICS can no longer guarantee the integrity of the data on the associated data set. Code *X'code'* identifies the inconsistency and can take one of the following values:

X'8516' The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

X'851C' The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

An INQUIRE on the RECOVSTATUS for the data set from this point onwards returns a NOTRECOVERABLE response. The data set is marked as not recoverable until the next CEMT SET DSNAME REMOVE, EXEC CICS SET DSNAME REMOVE command or COLD START.

System Action: CICS opens file *filename* and continues processing using the recovery setting from the file definition to determine whether backout logging should be performed.

User Response: Ensure that it is correct for the backout recovery attribute inconsistency to be ignored for this data set.

If the backout recovery attribute inconsistency should not have been ignored, ensure that files referencing the same VSAM data set have the same recovery attributes. If they do not, either alter the FCT entries using the CEDA ALTER FILE command and reinstall the group, or alter the FCT macro definition of the file. Note that this reassembled FCT only takes effect at the next CICS COLD start.

To nullify the recovery attribute set for the base data set, issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block and leaves CICS with no record of prior recovery settings for this VSAM data set. The **first** file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, filename, X'code', dsname*

DFHFC2813 *applid* Program DFHRCEX cannot be found.

Explanation: This is a disastrous error. The DC link has failed to link to DFHRCEX during FC initialization.

System Action: CICS setup is abnormally terminated with a dump.

User Response: Find out why DFHRCEX could not be located.

Destination: Console

Module: DFHFCBP

XMEOUT Parameter: *applid*

DFHFC4600 *applid* DTB failed - Batch backout needed after base data set closed. Trans=*trandid* File=*filename* Task=*taskid*.

Explanation: DTB (dynamic transaction backout) was unable to back-out uncommitted changes made to a VSAM data set via file *filename* by task *taskid* servicing transaction code *trandid*.

This message is followed by message DFHFC4601 which includes the base cluster/path data set names involved. The base cluster control block has been flagged 'Backout Failing'. You cannot open a file against this base cluster data set until the flag has been reset via a CEMT or EXEC CICS SET DSNAMES(base) NORMAL command. A corresponding message, DFHFC4602, is sent to CSFL.

- + **Note:** This message can also be issued when a record is encountered on the data set with a length that does not match the fixed length of the file as defined to CICS.

System Action: The system continues as normal.

User Response: You should wait for message DFHFC4601 which tells you the base/path data set names involved, and also for message DFHFC0922A which tells you when all files open against this data set have been closed. You should then use the CEMT INQUIRE DSNAMES FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it so that it can be used in an offline backout utility run.

- + If the backout failure is due to a record on the data set with a length that does not match the fixed length of the file as defined to CICS, scan the data set for all records with a length different from the fixed length of the file and adjust them accordingly.

Destination: Console

Module: DFHDBP

XMEOUT Parameters: *applid, trandid, filename, taskid*

DFHFC4601 *applid* Base=*base dsname* Path=*path dsname*

Explanation: This message tells you the base cluster and path data set names for which dynamic transaction backout (DTB) could not perform back-out. This message follows message DFHFC4600 which tells you the transaction code, file name, and task number involved.

System Action: The system continues as normal.

User Response: See message DFHFC4600 for details of transaction code, file name and task number.

You should wait for message DFHFC0922A which tells you when all files open against this data set have been closed. Then use the CEMT INQUIRE DSNAMES FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If

any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). Then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: Console

Module: DFHDBP

XMEOUT Parameters: *applid, base dsname, path dsname*

DFHFC4602 *date time applid* DTB failed - Batch backout needed after base data set closed. Trans=*trandid* File=*filename* Task=*taskid*.

Explanation: This is the same as message DFHFC4600, except that this message is sent to transient data queue CSFL, whereas message DFHFC4600 is sent to the console.

Dynamic transaction backout (DTB) was unable to back out uncommitted changes made to a VSAM data set via file *filename* by task *taskid* servicing transaction code *trandid*. This message is followed by message DFHFC4603 which includes the base cluster/path data set names involved. The base cluster control block has been flagged 'Backout Failing'. You cannot open a file against this base cluster data set until the flag has been reset via a CEMT or EXEC CICS SET DSNAMES(base) NORMAL.

System Action: Processing continues.

User Response: Wait for message DFHFC4603 which tells you the base/path data set names involved, and also for message DFHFC0922A which tells you when all files open against this data set have been closed. Then use the CEMT INQUIRE DSNAMES FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: CSFL

Module: DFHDBP

XMEOUT Parameters: *date, time, applid, trandid, filename, taskid*

DFHFC4603 *date time applid* Base=*base dsname* Path=*path dsname*

Explanation: This message tells you the base cluster and path data set names for which dynamic transaction backout (DTB) could not perform back-out.

This message follows message DFHFC4602 which tells you the transaction code, file name, and task number involved. Message DFHFC4601 is sent to the console.

System Action: The system continues as normal.

User Response: See message DFHFC4602 for details of the transaction code, file name, and task number involved.

You should wait for message DFHFC0922A which tells you when all files open against this data set have been closed. You should then use the CEMT INQUIRE DSNAMES FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then:

1. Switch the system log using CEMT SET JOURNAL (01) ADVANCE,
2. Archive the log.
3. Run the batch backout utility.

Destination: CSFL

Module: DFHDBP

XMEOUT Parameters: *date, time, applid, base dsname, path dsname*

DFHFC4604 *applid* DTB failed for BDAM data set. **Trans=tranid**
File=filename **Task=taskid**.

Explanation: DTB (dynamic transaction backout) was unable to back-out uncommitted changes made to a BDAM data set via file *filename* by transaction *tranid*.

System Action: The system continues as normal.

User Response: Close all the files open against the BDAM data set using CEMT SET FILE CLOSED, and backout any uncommitted changes offline.

Destination: Console

Module: DFHDBP

XMEOUT Parameters: *applid, tranid, filename, taskid*

DFHFC4605 *date time applid* DTB failed for BDAM data set.
Trans=tranid **File=filename** **Task=taskid**.

Explanation: DTB (dynamic transaction backout) was unable to back-out uncommitted changes made to a BDAM data set via file *filename* by transaction *tranid*.

System Action: The system continues as normal.

User Response: You should close all files open against the BDAM data set using CEMT SET FILE CLOSED, and backout any uncommitted changes offline.

Destination: CSFL

Module: DFHDBP

XMEOUT Parameters: *date, time, applid, tranid, filename, taskid*

DFHFC5707 *applid* Backout data present for file *filename* but no FCT entry exists.

Explanation: During emergency restart, the file *filename* could not be found by the table manager in the FCT that has been restored from the CICS global catalog.

System Action: CICS checks if any other files that need backout are missing from the FCT and issues this message for them. This is a severe error which could impact data integrity and so CICS issues message DFHFC0002 and terminates abnormally with a dump.

User Response: Either the global catalog that was used to restore the FCT on emergency restart, or the log that provides the backout records, has been corrupted.

Use the dump to investigate and correct the cause of this failure before rerunning the emergency restart.

Destination: Console

Module: DFHFCBP

XMEOUT Parameters: *applid, filename*

DFHFC5708D *applid* Error while opening file *filename*. Reply 'GO' or 'CANCEL'.

Explanation: CICS detected an error while opening file *filename*.

System Action: The system waits for the operator to reply. If the reply is 'GO', the initialization exit is given control. Upon return, processing continues. If the reply is 'CANCEL', CICS terminates abnormally with a dump and MVS user abend 0143.

User Response: Reply 'GO' or 'CANCEL'.

Destination: Console

Module: DFHFCBP

XMEOUT Parameters: *applid, filename*

DFHFC5712 *applid* Backout failed. Batch backout needed after base d/s closed. **Trans=tranid** **File=filename**
Task=taskid.

Explanation: During an emergency restart, file back out was unable to back out uncommitted changes made to a VSAM data set via file *filename* by task *taskid* servicing transaction code *tranid*.

This message is followed by message DFHFC5713 which includes the base cluster/path data set names involved. The base cluster control block has been flagged 'Backout Failing'. You cannot open a file against this base cluster data set until the flag has been reset via a CEMT or EXEC CICS SET DSNAME(base) NORMAL.

System Action: Processing continues

User Response: Wait for message DFHFC5713 which tells you the base/path data set names involved, and also for message DFHFC0922A which tells you when all files open against this data set have been closed.

Then use the CEMT INQUIRE DSNAME FAILED command to check whether any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). Then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: Console

Module: DFHFCBP

XMEOUT Parameters: *applid, tranid, filename, taskid*

DFHFC5713 *applid* **Base=base dsname** **Path=path dsname**

Explanation: This message tells you the base cluster and path data set names for which file backout was not performed during an emergency restart.

This message follows message DFHFC5712 which tells you the transaction code, file name, and task number involved.

System Action: Processing continues.

User Response: Wait for message DFHFC0922A which tells you when all files open against this data set have been closed.

Then use the CEMT INQUIRE DSNAME FAILED command to check whether any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: Console

Module: DFHFCBP

XMEOUT Parameters: *applid, base dsname, path dsname*

DFHFC5714 *date time applid* **Backout failed. Batch backout needed after base d/s closed. Trans=trandid File=filename Task=taskid.**

Explanation: This message is the same as DFHFC5712, except that this message is sent to transient data queue CSFL, whereas message DFHFC5712 is sent to the console.

During emergency restart, file backout was unable to back out uncommitted changes made to a VSAM data set via file *filename* by task *taskid* servicing transaction code *trandid*.

This message is followed by message DFHFC5715 which tell you the base cluster/path data set names involved. The base cluster control block has been flagged 'Backout Failing'. You cannot open a file against this base cluster data set until the flag has been reset via a CEMT or EXEC CICS SET DSNNAME(base) NORMAL.

System Action: The system continues as normal.

User Response: Wait for message DFHFC5715 which tells you the base/path data set names involved, and also for message DFHFC0922A which tells you when all files open against this data set have been closed.

Then use the CEMT INQUIRE DSNNAME FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: CSFL

Module: DFHFCBP

XMEOUT Parameters: *date, time, applid, trandid, filename, taskid*

DFHFC5715 *date time applid* **Base=base dsname Path=path dsname**

Explanation: This message is the same as DFHFC5713, except that this message is sent to transient data queue CSFL, whereas message DFHFC5713 is sent to the console.

This message tells you the base cluster and path data set names for which file backout could not perform back out during an emergency restart.

This message follows message DFHFC5714 which tells you the transaction code, file name, and task number involved.

System Action: The system continues as normal.

User Response: Wait for message DFHFC0922A which tells you when all files open against this data set have been closed.

Then use the CEMT INQUIRE DSNNAME FAILED command to check if any other data sets are in a 'Backout Failed' or a 'Backout Failing' state. If any are in a 'Backout Failing' state, wait until they change to a 'Backout Failed' state (that is, when all files open against them are closed). You should then switch the system log and archive it, so that it can be used in an offline backout utility run.

Destination: CSFL

Module: DFHFCBP

XMEOUT Parameters: *date, time, applid, base dsname, path dsname*

DFHFC5716 *applid* **Backout failed for BDAM data set. Trans=trandid File=fileid Task=taskid.**

Explanation: During an emergency restart, file backout was unable to back out uncommitted changes made to a BDAM data set via file *filename* by transaction *trandid*.

System Action: The system continues as normal.

User Response: You should close all files open against the BDAM data set, and back out any uncommitted changes offline.

Destination: Console

Module: DFHFCBP

XMEOUT Parameters: *applid, trandid, fileid, taskid*

DFHFC5717 *date time applid* **Backout failed for BDAM data set. Trans=trandid File=filename Task=taskid.**

Explanation: This message is the same as DFHFC5716, except that this message is sent to transient data queue CSFL, whereas message DFHFC5716 is sent to the console. During an emergency restart file backout was unable to back out uncommitted changes made to a BDAM data set via file *filename* by transaction *transaction*.

System Action: Processing continues.

User Response: Close all files open against the BDAM data set. Back out any uncommitted changes offline.

Destination: CSFL

Module: DFHFCBP

XMEOUT Parameters: *date, time, applid, trandid, filename, taskid*

DFHFC5718 *applid* **A failure has occurred while processing the restart data set during file backout processing.**

Explanation: A serious problem has occurred with the restart data set. This is usually because a CONNECT, a START BROWSE, a GET NEXT or a DELETE command has failed.

System Action: The system puts out a trace entry and a dump. CICS restart is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the dump and the trace entry to investigate the problem in the restart data set.

Destination: Console

Module: DFHFCBP

XMEOUT Parameter: *applid*

DFHFC5719 *date time applid* **A failure has occurred while processing the restart data set during file backout processing.**

Explanation: A serious problem has occurred with the restart data set. This is usually because a CONNECT, a START BROWSE, a GET NEXT or a DELETE command fails.

System Action: The system puts out a trace entry and a dump. CICS restart is abnormally terminated.

User Response: Use the dump and the trace entry to determine the problem in the restart data set.

Destination: CSFL

Module: DFHFCBP

XMEOUT Parameters: *date, time, applid*

DFHFC5740I *applid* File backout beginning.

Explanation: During emergency restart, CICS issues this message when the CICS module, DFHFCBP, starts processing. DFHFCBP backs out changes to recoverable files that were made by in-flight tasks (that is, tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHFCBP

XMEOUT Parameter: *applid*

DFHFC5741I *applid* No file backout required.

Explanation: During emergency restart, CICS issues this message when the CICS module, DFHFCBP, finds no changes to recoverable files that need to be backed out. DFHFCBP backs out changes to recoverable files that were made by in-flight tasks (that is, tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHFCBP

XMEOUT Parameter: *applid*

DFHFC5742I *applid* File backout complete.

Explanation: During emergency restart, CICS issues this message when the CICS module DFHFCBP finishes processing. DFHFCBP backs out changes to recoverable files that were made by in-flight tasks (that is, tasks that were incomplete when the preceding abnormal termination occurred).

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHFCBP

XMEOUT Parameter: *applid*

DFHFC5801A *applid* File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be restored and forward recovered. Data set '*dsname*'.

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#

Corrections to message DFHFC5801A)

Explanation: CICS has rejected a file open for the VSAM base data set *dsname*. This base data set could not be opened because the integrated catalog facility (ICF) catalog backup while open (BWO) flags indicated a corrupted data set.

This message is accompanied by message DFHFC5806 which includes the name of the file involved in the OPEN failure.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state is set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Carry out the following procedure:

1. If a BWO copy of this VSAM data set is available:
 - a. Restore the BWO copy of this data set via DFHSM and/or DFDSS.
 - b. Apply the CICS forward recovery logs via a log-apply utility, such as CICSVR MVS/ESA, to bring the data set to a point of consistency.
2. If no BWO copy of this base data set exists but a normal quiesced copy does, apply the forward recovery logs to the data set in the normal way to bring the data set to a point of consistency.
3. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.
4. Rename the data set to that of the original data set prior to the failure.
5. Make the data set available.

Note: Some log-apply utilities, such as CICS VSAM Recovery MVS/ESA (CICSVR MVS/ESA) Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, dsname*

DFHFC5802A *applid* File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be forward recovered. Data set '*dsname*'.

Explanation: CICS has rejected a file open for the VSAM base data set *dsname*. This base data set could not be opened because the ICF catalog backup while open (BWO) flags indicated that the data set was back-level and needed to be forward recovered. This failure occurs if a BWO of a VSAM base data set is restored but not forward recovered. This message is accompanied by DFHFC5806 which includes the name of the file involved in the OPEN failure.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Carry out the following procedure:

1. Apply the CICS forward recovery logs via a log-apply utility, such as CICSVR MVS/ESA, to bring the data set to a point of consistency.
2. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.

Note: Some log-apply utilities, such as CICSVR MVS/ESA Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, dsname*

DFHFC5803 *applid* A severe error (code *X'code'*) has occurred while inquiring/setting VSAM data set BWO attributes. Data set '*dsname*' Return Code *X'xxxxxxxx'* Reason Code *X'yyyyyyyy'* Prob Det *X'zzzzzzzzzzzzzzzzzzzz'*.

Explanation: A severe error has been detected in DFHFCAT while inquiring or setting ICF catalog backup while open (BWO) attributes of base data set *dsname*. The error code is the exception trace point ID which uniquely identifies the call which has failed. The code *X'code'* can take the following values:

Value	Meaning
X'0B57'	A call to MVS/DFP Callable Services to inquire if a data set is known to a SMS sub-system has failed
X'0B59'	A call to MVS/DFP Callable Services to update the BWO flags to a forward recovered state for a data set has failed
X'0B5A'	A call to MVS/DFP Callable Services to update the recovery point for a data set has failed
X'0B5B'	A call to MVS/DFP Callable Services to update the BWO flags to a BWO disabled state for a data set has failed
X'0B5C'	A call to MVS/DFP Callable Services to inquire if the BWO flags for a data set were in a BWO enabled state has failed
X'0B5D'	A call to MVS/DFP Callable Services to update the BWO flags to a BWO enabled state for a data set has failed.

For further information about CICS exception trace entries, see the *CICS/ESA Problem Determination Guide*.

The values *xxxxxxxx*, *yyyyyyyy* and *zzzzzzzzzzzzzzzzzzzz* are the BWO return code, reason code and problem determination code from the MVS/DFP Callable Services Interface call to update/inquire the ICF catalog BWO attributes.

This message is accompanied by message DFHFC5806 when a file open failure occurs or by message DFHFC5810 when a file close failure occurs.

System Action: CICS makes an exception trace point entry and issues this message. No system dump is taken. The actions taken depend on the operation in progress at the time of the error.

If the error occurs while opening a file, the open request fails, the file is closed, and its state is set to UNENABLED.

If the error occurs while closing a file, the status of the file is unchanged.

If the error occurs during activity keypoint when updating the recovery point, CICS tries to update the recovery point on the next activity keypoint that creates a keypoint directory element (KPDE).

If the error occurs while setting the data set RECOVERED via CEMT or EXEC CICS commands, a non-OK response is returned.

User Response: Use the return code, reason code and problem determination code to determine why the call to MVS/DFP Callable Services has failed. For further information see *MVS/DFP Callable Services* in the *MVS/DFP V3.2 System Programming Reference*.

Ensure that the appropriate level of MVS/DFP is installed on the processor where CICS is running. Also ensure that the data set is SMS managed and known to the SMS subsystem.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid*, *X'code'*, *dsname*, *X'xxxxxxxx'*, *X'yyyyyyyy'*, *X'zzzzzzzzzzzzzzzzzzzz'*

DFHFC5804 *applid* File CLOSE failed during CICS termination. File '*filename*'.

Explanation: An attempt to close file *filename* during orderly CICS termination has failed. This message is produced only as a warning that this file could not be closed. Data integrity has been maintained.

System Action: CICS termination continues.

If this file was open against a base data set open for update with BACKUPTYPE=DYNAMIC specified, one of the following messages is issued on the first open for update for this base data set in the next CICS run:

DFHFC5807
DFHFC5808
DFHFC5809.

User Response: In order to avoid repetition of this failure, try to determine why the file was not closed from any other DFHFCxxxx messages produced during termination.

Destination: Console

Module: DFHFCSD

XMEOUT Parameters: *applid*, *filename*

DFHFC5805 *applid* File OPEN failed. RECOVERY attributes of VSAM data set are not valid. File '*filename*' data set '*dsname*'.

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). An attempt to open this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), has failed because CICS has detected that the RECOVERY attributes have not been validated for the VSAM base data set *dsname*. A data set cannot be defined with BACKUPTYPE=DYNAMIC without RECOVERY=ALL specified.

System Action: The file open for data set *dsname* fails. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is probably caused by a logic error in CICS. You should, however, check if there are any other DFHFCxxxx messages that indicate the cause of the error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid*, *filename*, *dsname*

DFHFC5806 *applid* File OPEN failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File '*filename*' data set '*dsname*'.

Explanation: An attempt to open file *filename* has failed due to the failure of a call to MVS/DFP Callable Services or due to an invalid state returned from a call to MVS/DFP Callable Services for the VSAM base data set *dsname*. This message is accompanied by one of the following messages depending on the type of error being reported:

DFHFC0002
DFHFC5801
DFHFC5802
DFHFC5803

System Action: CICS fails the file open request for data set *dsname*. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: See the accompanying message for the appropriate action to take in resolving this error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5807 *applid* File OPEN failed. BACKUPTYPE attributes conflict with those currently defined for the VSAM data set. File '*filename*' data set '*dsname*'.

Explanation: An attempt to open file *filename* for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname* has failed. This is because CICS has detected an attribute conflict between the opening CICS FCT entry and the base data set's DSNB which was already opened for update. An FCT entry with a BACKUPTYPE=STATIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=DYNAMIC. Similarly, an FCT entry with a BACKUPTYPE=DYNAMIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=STATIC.

Note: A CICS base data set's DSNB cannot change BACKUPTYPE midway through a CICS run. In order to do this, you must destroy the DSNB and create a new one. There are three ways of doing this:

- CEMT SET DSNB REMOVE
- EXEC CICS SET DSNB REMOVE
- Terminate CICS and restart with a cold start.

If you respecify a DSNB with BACKUPTYPE=DYNAMIC, where previously it was specified with RECOVERY=NONE or BACKOUTONLY and BACKUPTYPE=STATIC, no forward recovery logging exists for the time that the DSNB had RECOVERY=NONE or BACKOUTONLY specified. Therefore you should take a backup copy of the data set before the change. This ensures that the data set can be recovered to a consistent point should a failure occur.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Determine the correct values for the BACKUPTYPE and RECOVERY attributes, and if necessary, redefine them for the FCT entry via CEDA.

Alternatively, remove the old DSNB as already described and reattempt the open.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5808 *applid* File OPEN warning. VSAM data set already set eligible for BWO on first open for update. File '*filename*' data set '*dsname*'.

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). While opening this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, CICS detected that the ICF catalog has already defined this base data set as eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs. This situation is likely to arise if CICS fails to close a file defined with BACKUPTYPE=DYNAMIC during CICS termination.

System Action: CICS updates the ICF catalog recovery point and open processing continues.

User Response: To ensure complete data integrity, quiesce all files opened against this base data set and take a backup copy. This can now be forward recovered at a later date and reflects updates made to this data set during a prior batch window.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5809 *applid* File OPEN warning. BACKUPTYPE attributes conflict with BWO values defined in ICF catalog. BWO values have been updated. File '*filename*' data set '*dsname*'.

Explanation: The file *filename* is defined as not eligible for backup while open for update (BACKUPTYPE=STATIC). While opening this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, CICS detected that the BWO flags in the ICF catalog already defined this base data set as eligible for BWO. However, the CICS FCT entry and the DSNB define the base data set as not eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

This situation is likely to arise if CICS fails to close a file that is defined with BACKUPTYPE=DYNAMIC, during CICS termination and the file is redefined with BACKUPTYPE=STATIC on a subsequent CICS run.

System Action: CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

User Response: Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5810 *applid* File CLOSE failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File '*filename*' data set '*dsname*'.

Explanation: An attempt to close file *filename* has failed because of the failure of a call to MVS/DFP Callable Services for the VSAM base data set *dsname*. This file is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC), and is open for update processing, (SERVREQ=ADD, DELETE or UPDATE set). This message is accompanied by message DFHFC5803 or DFHFC0002, depending on the type of error reported.

System Action: The file close request for data set *dsname* fails. Processing continues and the file remains open.

DFHFC5811

User Response: See the accompanying message for the appropriate action to take in resolving this error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5811 *applid* File OPEN warning. BACKUPTYPE=DYNAMIC attribute has been ignored. File '*filename*' data set '*dsname*'.

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). During an attempt to open this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, either:

- CICS has detected that the appropriate levels of software needed for VSAM backup while open (BWO) support have not been installed, or
- The appropriate MVS/DFP Callable Services modules could not be loaded.

System Action: CICS ignores the BACKUPTYPE=DYNAMIC parameter and continues as if STATIC were specified. File open processing continues.

User Response: If BWO support is required, ensure that the appropriate level of MVS/DFP Callable Services is installed.

If BWO support is not required, ensure that the file is defined with the BACKUPTYPE=STATIC attribute.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5812 *applid* File OPEN warning. BACKUPTYPE=DYNAMIC has been ignored for VSAM AIX data set. STATIC has been defaulted. File *filename* data set *dsname*.

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). This file is opening against the data set *dsname* which is a VSAM AIX. BACKUPTYPE=DYNAMIC is not a valid option for a VSAM AIX. BACKUPTYPE=STATIC has been defaulted.

System Action: File open processing continues.

User Response: Redefine this file via CEDA, specifying BACKUPTYPE=STATIC.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5813 *applid* File OPEN warning. Level of {DFHSM | DFDSS | DFHSM and DFDSS} does not support BWO.

Explanation: You have opened a VSAM file for update and requested backup while open (BWO) support by specifying BACKUPTYPE=DYNAMIC in the FCT. However, CICS has detected that the software release level of DFHSM and/or DFDSS required for BWO support has not been installed on the processor on which CICS is running.

This message is issued once for the first file to open for update and be defined as eligible for BWO after a cold start.

System Action: CICS file open processing continues. If the file open completes without error, the file is defined as eligible for BWO. However, no BWO backup facilities are available using DFHSM and/or DFDSS on the processor on which CICS is running.

User Response: Ensure that DFHSM and/or DFDSS, both of version 2.5.0 or later, are installed on the processor on which the BWO backup is to be made.

Note: DFSMS/MVS 1.1 (DFSMSHsm and DFSMSdss) supersedes DFHSM 2.5 and DFDSS 2.5.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, {1=DFHSM, 2=DFDSS, 3=DFHSM and DFDSS}*

+ **DFHFC5820** *applid* Any files that are still open against the base data set may need to be closed. file *filename*, data set *dsname*.

#

#

APAR PQ08726

Corrections to message DFHFC5820

Explanation: File *filename* was the first file to open a dynamically allocated data set *dsname*. This file is being closed leaving one or more files still open against the same base data set. However, if one of these files requires secondary extents, the request will fail with a CICS ILLOGIC error (EIBRCODE X'08BA0000').

+ **System Action:** Close processing completes normally.

User Response: To avoid this potential problem, you are advised to close and reopen the files that remain open against the base data set.

If you are unsure of the data set associations, run a LISTCAT against the above base dataset to produce a list of all associated data sets. Use CEMT INQ FILE(*) to identify which files are affected. All of these should be closed and reopened, for example, using the CEMT SET FILE(file name) CLOSE and CEMT SET FILE(file name) OPEN.

+ **Destination:** Console

+ **Module:** DFHFCFS

+ **XMEOUT Parameters:** *applid, filename, dsname*

DFHFExxxx messages

DFHFE3301 Transaction complete

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, has completed.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHFEP

DFHFE3302 Invalid debug request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, either found a syntax error in the debug request, or found that the installed transaction definition option was invalid.

System Action: The task ends.

User Response: Check for syntax errors or for an invalid installed transaction definition option. Correct the errors and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3303 Invalid trace option

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found a syntax error in the trace request (ZCQTRACE).

System Action: The task ends.

User Response: Check for syntax errors. Correct the errors and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3304 Enter PRINT for character set, END to terminate. All other data will be echoed.

Explanation: This message is sent to the terminal when the CSFE transaction is started. It asks the engineer what action is required from the field engineering program, DFHFEP.

System Action: The task waits for a response.

User Response: Enter PRINT to display the character set.

Enter END to terminate module DFHFEP.

All other data typed in is echoed to the screen.

Destination: Terminal End User

Module: DFHFEP

DFHFE3307 Invalid option specified in request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found an error in one of the options specified in the request. Either the specified option could not be found (for example, an invalid transaction definition) or it was an invalid type. CSFE ends without completing the request.

System Action: The task ends.

User Response: Correct the error and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3308 Program DFHTRAP is not available - global trap not activated

Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.

System Action: CICS continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined in the processing program table and made available in the program library.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Terminal End User

Module: DFHFEP

DFHFE3309 Global trap DFHTRAP is unusable following program check in exit

Explanation: While executing a field engineering (FE) transaction request to activate the global trap exit (CSFE DEBUG,TRAP=ON), the FE program, DFHFEP, has found that the global trap exit program, DFHTRAP, is already active but marked unusable. This is because, when the trap was last used, a program check occurred in DFHTRAP. This error is fully documented in message DFHTR1001.

System Action: CICS continues with the global trap still marked unusable.

User Response: Refer to DFHTR1001 for more information. To replace the currently active but unusable version of DFHTRAP by a new version from the CICS program library, issue the following commands in the sequence:

CSFE DEBUG,TRAP=OFF (to de-activate the current trap);

CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the disk trap known to CICS);

CSFE DEBUG,TRAP=ON (to activate the new version of the trap).

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Terminal End User

Module: DFHFEP

DFHFE3310 applid Program DFHTRAP is not available - global trap not activated.

Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.

System Action: CICS continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined in the processing program table and made available in the program library.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHFEP

XMEOUT Parameter: *applid*

DFHICxxxx messages**DFHIC0002 applid A severe error (code X'code') has occurred in module modname.**

Explanation: An error has been detected in module *modname*. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you will need assistance. Bring CICS down in a controlled shutdown and collect the dumps and any relevant messages sent by the module identified in the message. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHEIIC

XMEOUT Parameters: *applid, X'code', modname*

DFHIC0200 *date time applid* **Automatic transaction restart for transaction *tranid* has failed.**

Explanation: A STARTed nonterminal transaction is ending abnormally and automatic transaction restart was requested via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System Action: Message DFHAP0002 with a dump is issued for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.

User Response: Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance. Restart the transaction manually if necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHICXM

XMEOUT Parameters: *date, time, applid, tranid*

DFHIC0310 *date time applid* **Unable to attach transaction - *tranid* to terminal - *termid***

Explanation: An attempt was made to start transaction *tranid* on terminal *termid* as a result of:

- a START command, or
- a DFHIC TYPE=PUT macro, or
- a DFHIC TYPE=INITIATE macro.

The attempt was rejected. The most likely cause is that, at the time the attempt was made, the terminal was unknown in the system.

+ This message is also issued when:

- + • A START command is issued in an application owning region (AOR) for a terminal that exists as a remote terminal entry in the AOR, but the destination system ID associated with the remote terminal has not been defined.
- + • A START command is issued against a pipeline device, or other device which is not eligible for ATI requests.

System Action: The request is deleted from the system.

User Response: Ensure that a valid terminal name is being specified. If the name is valid, examine the trace (if one is available) to determine why the attempt was rejected.

+

APAR PN84935

+ **Destination:** Console

Module: DFHICP

XMEOUT Parameters: *date, time, applid, tranid, termid*

DFHIC0360 *date time applid* **An attempt to establish security for userid *userid* has failed. Transaction *tranid* cannot be started without a terminal. SAF codes are (*X'safresp*,*X'safreas*). ESM codes are (*X'esmresp*,*X'esmreas*).**

Explanation: An attempt was made to establish security for userid *userid* but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start the transaction *tranid* without a terminal.

System Action: Security has not been established for the userid. The attempt to start the transaction has failed.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Destination: CSCS

Module: DFHICXM

XMEOUT Parameters: *date, time, applid, userid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHIC0801 *applid* **CICS time altered from *hh.mm.sss* to *hh.mm.sss* - date *ddddddd* - relative day *rrr***

Explanation: This console message is printed when the operating system-maintained time of day has been rolled back (for example, when the operating system clock is reset to zero at midnight). Where:

- *hh.mm.sss* is the time in hours minutes and tenths of a second
- *ddddddd* is the current date in the format specified by the DATFORM parameter in the system initialization table
- *rrr* is the day number relative to the day CICS was started.

System Action: CICS has recognized the condition and adjusted its own time of day to agree with that of the operating system.

User Response: None

Destination: Console

Module: DFHTAJP

XMEOUT Parameters: *applid, hh.mm.sss, hh.mm.sss, dddddddd, rrr*

DFHIC0802 *applid S/370 clock inoperative ... external action required*

Explanation: CICS execution is dependent on the continued operation of the processor time-of-day clock. This warning message is sent to the console operator during the execution of the time adjustment program if the system detects a processor clock failure at that time. Immediate corrective action (if possible) must be taken by the console operator, if the clock has been disabled for any reason.

System Action: CICS abnormally terminates itself after the condition is detected.

User Response: The ability to enable or disable the time-of-day clock is under the control of the console operator. If the clock is disabled, it must be enabled immediately.

Destination: Console

Module: DFHTAJP

XMEOUT Parameter: *applid*

DFHIRxxxx messages

DFHIR2122 *date time applid Intersystem session recovery. Database changes found to be synchronized. Original failure details: Time=time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid*

Explanation: An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow-up to message DFHZN2101, (which may have been issued at the time of the failure if the session failed at a critical time during syncpoint processing).

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2123 *date time applid Intersystem session recovery. Database changes found to be out of sync. Original failure details: Time=time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid*

Explanation: This message is issued as a follow-up to message DFHZN2101. The original failure information provides a cross-reference.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the local and remote databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2124 *date time applid Intersystem session recovery. Error when data base changes may be out of sync. Original failure details: Time=time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid*

Explanation: This message is issued as a follow-up to message DFHZN2101. During session recovery, the system was unable to determine whether database changes were out of synchronization.

System Action: Processing continues.

User Response: Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2321 applid MRO/IRC Communication being Terminated. Session(s) with the following Netname(s) are still Active:

Explanation: CICS is attempting to close MRO/IRC communication. This message is normally followed by the netname of each session that is still active, and additionally for EXCI sessions, the jobname, stepname, procname and MVS ID of the batch program communicating on that session.

For EXCI sessions, a netname of GENERIC indicates a generic pipe. For the batch job information to appear in the message, at least one DPL request must have been issued on that session.

Note: In some circumstances the message is not followed by any netnames. This can occur if CICS is using the cross-system coupling facility (XCF) to communicate across CECs, and CICS is unable to deliver an earlier message to XCF because, for example, the XCF buffer is full.

System Action: CICS continues to wait for the remaining session(s) to close. This message is reissued at 30 second intervals, or until the last session is closed.

User Response: None, unless the delay in closedown appears abnormally long. If this is the case, investigate why the session(s) are still active. Take appropriate action to allow the session(s) to close. If no netnames are displayed, investigate why XCF is unable to accept a message from CICS.

Destination: Console

Module: DFHZDSP

XMEOUT Parameter: *applid*

DFHIR3700 OPTION STARTING xxx HAS ILLEGAL SYNTAX.

Explanation: The given option has illegal syntax.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3701 ABEND {S | U} abcode DETECTED.

Explanation: A system or user abnormal termination is detected, where "S" is system and "U" is user, and *abcode* is the abend code.

System Action: The system continues the abnormal termination.

User Response: Correct the error.

For debugging information, see the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPD

DFHIR3702 UNABLE TO ISSUE STAE MACRO SUCCESSFULLY.

Explanation: The batch region controller issued an ESTAE MVS macro that did not execute successfully. This is probably because storage for a STAE control block (SCB) was not available, but for a full description of the ESTAE macro refer to the *MVS/ESA System Programming Library: Application Development Guide*.

System Action: The batch program is abnormally terminated.

User Response: Ensure that storage for SCB is available.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3703 MAXIMUM NUMBER OF INTERREGION USERS REACHED.

Explanation: The interregion communication (IRC) SVC's user table is full.

System Action: The batch program is abnormally terminated.

User Response: Resubmit the batch program when one of the batch sharing programs running at the time this message was issued has completed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3704 INSUFFICIENT INTERNAL CONTROL STORAGE FOR INTERREGION COMMUNICATION SVC.

Explanation: There was insufficient storage for the IRC SVC's internal (key 0) control blocks. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The batch program is abnormally terminated.

User Response: Ensure that sufficient storage is available in the required subpool. See the *CICS/ESA Performance Guide* for further guidance on how to determine CICS DSA size limits in relation to the REGION size. Resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3705 INSUFFICIENT SUBSYSTEM CONTROL STORAGE FOR INTERREGION COM MUNICATION SVC.

Explanation: There was insufficient storage for the IRC SVC's subsystem (user key) control blocks. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The batch program is abnormally terminated.

User Response: Ensure that sufficient storage is available in the required subpool. See the *CICS/ESA Performance Guide* for further guidance on how to determine the CICS DSA size limits in relation to the REGION size. Resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3706 ERROR DURING ESTABLISHMENT OF LINKS WITH INTERREGION COMMUNICATION SVC.

Explanation: The batch region controller attempted to establish itself as a user of the interregion communication SVC, but the attempt failed.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3707 CICS (ID=*cicsname*) NOT CURRENTLY AVAILABLE. REPLY 'GO' (WHEN AVAILABLE) OR 'CANCEL'.

Explanation: The batch program is attempting to share a data base with a CICS system *cicsname* that is not currently available.

System Action: The system waits for a GO or CANCEL response. If the response is GO and the same condition recurs, the message is reissued. If the response is GO and CICS is now available, the system continues as normal. If response is CANCEL, the job step abnormally terminates with user abend code 3707.

User Response: If you do not want the batch program to run, enter CANCEL. If you want the batch program to run:

1. If the specified CICS system is running, enter CEMT SET IRC OPEN at the CICS master terminal, then reply GO to the message (after a short delay).
2. If the specified CICS system is not running, start up the system with a DFHSIT or override option of IRCSTRT=YES, then reply GO to the message when message DFHS11517 is issued.
3. Ensure that the interregion links to batch are in service (CEMT INQ CONN(@BCH) will indicate whether the links are in service). If they are not, issue CEMT SET CONN(@BCH) INS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3708 CICS (ID=*cicsname*) HAS NO AVAILABLE THREADS, OR IS QUIESCING INTERREGION SERVICES.**Explanation:**

1. The CICS system *cicsname* is either sharing data bases with as many batch programs as can be handled (SESNUMB operand on DFHTCT TYPE=IRCBCH for RDM; RECEIVECOUNT/SENDcount for RDO defined sessions) or,
2. CEMT SET IRC CLO/IMMC or CEMT SET CONN(@BCH) OUTS or CSMT SHUT has been issued.

System Action: The batch program is abnormally terminated.

User Response: Resubmit the batch program when fewer batch programs are sharing data bases with CICS, or when both CICS and the shared data base facility are in session.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3709 ERROR IN ESTABLISHMENT OF LINK TO CICS (ID=*cicsname*).

Explanation: The batch region controller attempted to establish a link to CICS system *cicsname* by means of the intersystem communication SVC, but the attempt failed because of a system error.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPF

DFHIR3710 PROGRAM CHECK HAS OCCURRED.

Explanation: A program check has occurred in either the batch program or the batch region controller.

System Action: The batch program is abnormally terminated.

User Response: Correct the cause of the program check, and resubmit the batch program.

For debugging information, see the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHRPRD

DFHIR3711 CICS (ID=*cicsname*) IS NO LONGER AVAILABLE.

Explanation: The agent (mirror) transaction that is servicing this batch program is no longer available to it for one of the following reasons:

- The transaction has been purged.
- A cross CEC batch MRO connection was attempted but the required connection has not been installed.
- A cross CEC batch MRO connection was attempted but the required connection was out of service.

System Action: The batch program is abnormally terminated.

User Response: Correct the problem and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3712 MIRROR TASK HAS ABENDED IN CICS (ID=*cicsname*) WITH ABEND CODE *abcde*

Explanation: The mirror task that is servicing this batch program has abnormally terminated.

System Action: The batch program is abnormally terminated.

User Response: Correct the cause of the mirror task abend.

Note: This message cannot be changed with the message editing utility.

Destination: Console

DFHIR3713

Module: DFHDRPE

DFHIR3713 ERROR TRYING TO PASS DATA TO/FROM CICS (ID='cicsname')

Explanation: The batch region controller attempted to pass data to or receive data from CICS by means of the interregion communication SVC, but the attempt failed because of a system error.

A possible cause of this message is that a user's application has used a STAE exit in trying to cope with a batch region controller abend, and has returned (apparently normally) to the batch region controller. The user should not use STAE exits in this way.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3714 IMS ABEND NUMBER *abcode*

Explanation: If the CICS abend code is ADLA (where ADLA indicates an IMS transaction abend), this message is issued as a follow-on to the preceding message DFHIR3712. This subsequent message provides the IMS abend number that corresponds to the IMS transaction pseudoabend.

System Action: The batch program is abnormally terminated.

User Response: Correct the cause of the mirror task abend.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3715 UNEXPECTED RESPONSE FROM CICS (ID='cicsname').

Explanation: The batch region controller issued a request to CICS, but CICS was unable to service the request because of a system error.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3716 INVALID FUNCTION STRING IN DL/I PARAMETER LIST.

Explanation: A DL/I request issued by the batch application program had an invalid function string argument. (The function string is the string that identifies the request type, for example, GU,REPL).

System Action: The batch program is abnormally terminated.

User Response: Correct the DL/I request.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3717 INVALID DL/I PARAMETER LIST.

Explanation: A DL/I request issued by the batch application program had an invalid parameter list.

System Action: The batch program is abnormally terminated.

User Response: Correct the DL/I request.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3718 UNRECOGNIZABLE DATA RECEIVED FROM CICS (ID='cicsname').

Explanation: The batch region controller has sent a request to CICS, but does not recognize the reply that is sent from CICS.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3719 DL/I UPDATES SINCE {CHECKPOINT | START OF JOBSTEP}xxx ARE SUBJECT TO BACKOUT BY CICS RECOVERY.

Explanation: The batch region has abnormally terminated.

System Action: Any DL/I updates made since the last checkpoint or the start of the job step are backed out by CICS dynamic transaction backout if operative.

User Response: Check that dynamic transaction backout is operative for the CSMT transaction in the CICS system owning the shared data base(s). Check the CSMT transient data destination for messages DFHAC2206, DFHAC2207, or DFHAC2208. One of these messages, which specify the batch ID for the given batch program, will appear if dynamic transaction backout is operative, and will indicate whether the DL/I updates have been backed out.

If the CSMT transaction servicing the batch job was in-flight during a CICS system failure, watch for message DFHIR3782 during the subsequent emergency restart. DFHIR3782 will indicate whether the DL/I updates are to be backed out during the restart.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPD

DFHIR3720 DL/I UPDATES HAVE BEEN COMMITTED.

Explanation: An abnormal termination occurred in the batch region controller after the application returned to it and after any DL/I updates had been committed by CICS.

Note: The abnormal termination occurred after the batch application program had completed.

System Action: Processing continues.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPD

DFHIR3721 DL/I UPDATES TO BE COMMITTED BY {CHECKPOINT | END OF JOBSTEP}xxx MAY HAVE BEEN BACKED OUT BY CICS RECOVERY.

Explanation: The batch region has abnormally terminated during checkpoint or termination processing. A request has been sent to CICS to commit any DL/I updates, but no reply has been received, therefore it is not known if the DL/I updates have been committed.

System Action: Processing continues.

User Response: Check that dynamic transaction backout is operative for the CSMI transaction in the CICS system owning the shared database(s). Check the CSMT transient data destination for messages DFHAC2206, DFHAC2207, or DFHAC2208. One of these messages, which specify the batch ID for the given batch program, appears if dynamic transaction backout is operative, and indicates whether the DL/I updates have been backed out.

If the CSMI transaction servicing the batch job was in-flight during a CICS system failure, watch for message DFHIR3782 during the subsequent emergency restart. DFHIR3782 indicates whether the DL/I updates are to be backed out during the restart.

However, if dynamic transaction backout is operative for transaction CSMI, and messages DFHAC2206, DFHAC2207, or DFHAC2208 cannot be found for the given batch ID (and message DFHIR3782 cannot be found at emergency restart following a CICS system failure), all updates have been committed (that is, dynamic transaction backout has not been invoked).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPD

DFHIR3722 UNABLE TO BREAK LINKS WITH INTERREGION COMMUNICATION SVC.

Explanation: The batch region controller has attempted unsuccessfully to complete its association with the interregion communication SVC.

Note: This attempt happens after the batch program has completed (either successfully or abnormally).

System Action: The batch program is abnormally terminated.

User Response: Resubmit the batch program if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPD

DFHIR3723 DL/I REQUEST REJECTED. REASON CODE xxyy

Explanation: In a CICS shared data base environment, a DL/I request was passed to CICS, but was rejected by the CICS-IMS interface module, DFHDLI. In the reason code, xx is the value of the TCAFCTR response byte, and yy is the value of the TCADLTR response byte

This message can be caused by the failure of certain types of request:

- A schedule request (that is, a PCB request as would be issued by an online transaction), issued by the batch region controller on behalf of the application program.
- A LOG request issued by the application program. In this case, the reason code in the message is the first two bytes of the EIBRCODE field in the EIB.

System Action: The batch program is abnormally terminated.

User Response: See the *IMS Messages and Codes* manual for further information about the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3724 UNABLE TO OPEN DFHLIB.

Explanation: A DD statement for (ddname) DFHLIB was missing from the batch job stream.

System Action: The batch program is abnormally terminated.

User Response: Correct the JCL.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRP

DFHIR3725 JOBSTEP NOT APF-AUTHORIZED.

Explanation: Part of CICS initialization must be done in an APF-authorized state. The Kernel has detected that DFHSIP is not APF-authorized.

System Action: The batch program is abnormally terminated.

User Response: Ensure that the job step is APF-authorized. All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3726 UNABLE TO SET-UP SUBSYSTEM FACILITY CONTROL BLOCK.

Explanation: The batch controller modules use an internal security scheme that requires a subsystem facility control block. If the block cannot be set up, there is a system error.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

DFHIR3727

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3727 SYSTEM ERROR IN LOG CALL PROCESSING.

Explanation: The batch controller converts the DL/I argument list for a LOG call into a different form to enable a request for a CICS journal call to be made. The transformer has detected an error in the conversion.

System Action: The batch program is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3728 CMPAT=Y REQUIRED FOR SYSTEM CALL.

Explanation: If the application programmer is to use the LOG and/or CHKP in an application program, the programmer must specify the CMPAT=Y option in the batch controller PARM field.

System Action: The batch program is abnormally terminated.

User Response: Specify the CMPAT=Y option.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3729 OS/VS CHECKPOINT (ID='name') FAILED - RETURN CODE nn

Explanation: An error has occurred during OS/VS checkpoint processing. The return code X'nn' is that returned by the MVS CHKPT macro. For further details about the return code, refer to the *MVS/XA Data Administration: Macro Instruction Reference*.

System Action: The batch program is abnormally terminated.

User Response: Use the return code to determine the cause of the error. Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3730 CHECKPOINT PROCESSING (ID='name') COMPLETED SUCCESSFULLY.

Explanation: The specified checkpoint has been taken successfully.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3731 ROLLBACK REQUESTED BY APPLICATION PROGRAM - ABEND 3731 ISSUED.

Explanation: The batch application has issued a DL/I ROLL call.

System Action: Any updates to DL/I data bases since the last checkpoint, or since the start of the job step, are backed out (assuming that the dynamic transaction backout facility is active in the CICS system). The batch job step is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3732 DD STATEMENT FOR CHECKPOINT DATA SET IS MISSING.

Explanation: The application program has issued a CHKP call with "OSVSCCHKP" as the fourth argument, but no DD statement for the ddname CHKDD has been provided.

System Action: The application abends with an abend code of 3732.

User Response: Supply a DD statement for the ddname CHKDD.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3733 SECURITY CHECK - UNABLE TO ATTACH MIRROR TASK.

Explanation: A mirror task that should be serving the batch region cannot be attached, because the CSML entry in the installed transaction definition has a security code that prevents attachment.

System Action: The batch program abends with user abend code 3733 and a dump.

User Response: Check that the group DFHISC has been installed.

Check that the batch region is addressing its attach request to the correct CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3734 PL/I APPLICATION HAS RETURNED WITH RETURN CODE 2000 OR GREATER. ABEND 3734 ISSUED.

Explanation: The PL/I application program has completed with a return code of 2000 or greater, indicating that the error condition has been raised and has been allowed to continue.

System Action: The batch program abends with user abend code 3734.

User Response: Correct the cause of error in the PL/I application program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPC

DFHIR3735 UNABLE TO ATTACH MIRROR TASK.

Explanation: CICS cannot attach the mirror task that should be serving the batch region, because either:

- The task is disabled, or
- The CSMI transaction is not an installed transaction definition.

System Action: The batch program abends with user abend code 3735 and a dump.

User Response: Check that the group DFHISC has been installed.

Check that the batch region is addressing its attach request to the correct CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPE

DFHIR3736 UNABLE TO LOCATE MVS SSCVT FOR 'CICS'.

Explanation: An IEFSSREQ VERIFY request issued to locate the MVS subsystem communications vector table for 'CICS' was unsuccessful.

System Action: The batch program abnormally terminates with user abend code 3736, a reason code and a dump.

User Response: If the abend reason code is X'00000004', check whether an entry for 'CICS' is present in the set of subsystem name tables IEFSSNxx selected from SYS1.PARMLIB when MVS/ESA was IPLed. The first two bytes of the reason code contain the R15 return code from IEFSSREQ and the remaining two bytes contain the SSOBRET value. If not, schedule a re-IPL of MVS/ESA to include the 'CICS' subsystem, and resubmit the batch job. If the 'CICS' subsystem was already correctly defined to MVS or the reason code was not X'00000004', your installation's system programmer will need to check the dump for a failure within MVS or the shared data base.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3737 CICS (ID=cicsname) NOT CURRENTLY AVAILABLE. REPLY 'GO' (WHEN AVAILABLE) OR 'CANCEL.'

Explanation: The batch program is attempting to share a data base with a CICS system that is not currently available.

System Action: The system waits for a GO or CANCEL response. If the response is GO and the same condition recurs, the message is reissued. If the response is GO and CICS is now available, the system continues as normal. If the response is CANCEL, the job step abnormally terminates with user abend code 3737.

User Response: If you do not want the batch program to run, enter CANCEL. If you want the batch program to run:

1. If the specified CICS system is running, enter CEMT SET IRC OPEN at the CICS master terminal. Then reply GO to the message (after a short delay).
2. If the specified CICS system is not running, start up the system with a DFHSIT or override option of IRCSTRT=YES. Then reply GO to the message "DFHSI1517" is issued.

3. Ensure that the interregion links to batch are in service. CEMT INQ CONN(@BCH) will indicate whether the links are in service. If they are not, issue CEMT SET CONN(@BCH) INS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3738 LANG OPTION MUST BE A, C OR P.

Explanation: The language must be assembler, COBOL, or PL/I.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3739 xxxx IS AN INVALID OPTION KEYWORD.

Explanation: The given string is not a recognized keyword.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3740 VALUE OF xxxx OPTION IS LONGER THAN 5 DIGITS.

Explanation: The value of the given numeric option must occupy no more than five digits.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3741 VALUE OF xxxx OPTION IS NON-NUMERIC.

Explanation: The value of the given option must be numeric.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3742 VALUE OF *xxxx* OPTION IS LONGER THAN 8 CHARACTERS.

Explanation: The value of the given option must occupy no more than eight characters.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3743 VALUE OF *xxxx* OPTION IS NEITHER Y NOR N.

Explanation: The value of the given option must be either Y (yes) or N (no).

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3744 *xxxx* OPTION IS NO LONGER SUPPORTED.

Explanation: Option *xxxx* was supported in a previous release of CICS, but is not supported in this release.

System Action: Option *xxxx* is ignored.

User Response: Correct the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3745 *xxx* OPTION IS MISSING.

Explanation: The given option may not be omitted.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3746 SSA OPTION MUST BE IN RANGE 9 TO 32767.

Explanation: The SSA option must fall within the range 9 through 32767.

System Action: The batch program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the batch program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPA

DFHIR3747 *applid* CONNECTION *connid* with protocol(EXCI) has been connected to by a NON-BATCH system. Connection set out of service.

Explanation: A CICS connection has been defined with the protocol EXCI and an attempt has been made to connect to it by a non-batch system.

There are two possible explanations for this message:

- The non-batch system is attempting to communicate with the wrong target connection definition.
- The target connection definition has incorrectly been defined as an EXCI connection.

System Action: CICS sets the connection out of service.

User Response: Investigate and correct the relevant connection definitions and set back in service.

Destination: Console

Module: DFHCRNP

XMEOUT Parameters: *applid, connid*

DFHIR3750 *applid* Unable to stop interregion communication session during startup recovery.

Explanation: A request has been received as the result of an abnormal termination to stop the interregion communication session during the startup recovery process. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Destination: Console

Module: DFHCRNP

XMEOUT Parameter: *applid*

DFHIR3751 *applid* Unable to stop interregion communication session during shutdown.

Explanation: A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion communication session during the shutdown process. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHIR3760 *applid* Unable to break lines with interregion communication. (Modname: *modname*)

Explanation: A request has been made to shut down the interregion session. This has caused module DFHZCX to issue a request to the interregion communication program to terminate the association between CICS and the interregion communication program, but the request failed because of a system error.

System Action: Any running batch (database sharing) programs are left in the wait state, and should be canceled. Any CICS tasks (in other CICS systems) that are in communication with this system are also left in the wait state. These other CICS systems should issue CEMT SET CONNECTION(*sysid*) OUTSERVICE PURGE, where *sysid* is the CONNECTION name of the system for which DFHIR3760 was issued. Also, any attempt to restart the interregion session (in the current or any subsequent CICS session) fails.

User Response: To run further batch CICS interregion communication, you must re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZIS2, DFHSTP

XMEOUT Parameters: *applid, modname*

DFHIR3762 *date time applid* Inter-region activity now complete

Explanation: A CEMT SET INTERREGION COMMUNICATION (IRC) CLOSED request was issued at the master terminal. The IRC session is now complete.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid*

DFHIR3765 UNABLE TO STOP INTERREGION COMMUNICATION SESSION AFTER SYSTEM ABEND.

Explanation: A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion session. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCRC

DFHIR3766 *applid* DLTHRED value less than SESNUMB operand in DFHTCT TYPE=IRCBCH invocation.

Explanation: SESNUMB is the number of concurrent batch shared data base programs that can be supported. Each sharing program requires one DL/I thread, therefore if DLTHRED is less than SESNUMB, batch programs may have to wait for DL/I threads.

System Action: Processing continues.

User Response: Increase DLTHRED or reduce SESNUMB.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3767 *applid* The interregion startup program DFHCRSP is not present.

Explanation: Module DFHCRSP is required to start an IRC session, but is missing from the CICS program library or has no installed program definition.

System Action: The IRC session is not started.

User Response: Install DFHCRSP definition (group DFHISC) and/or supply module DFHCRSP

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3771 *applid* Unable to start interregion communication because (E)STAE macro failed.

Explanation: CICS issued an ESTAE macro that did not execute successfully, probably because storage for a ESTAE control block (SCB) was not available. For more information about the SCB, refer to the *MVS/ESA System Programming Library: Application Development Guide*.

System Action: The IRC session is not started.

User Response: Correct the cause of (E)STAE failure.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3772 *applid* Error while attempting to start interregion communication.

Explanation: CICS has evidence that the IRC session has already started. This is probably because the previous session could not be stopped (see messages DFHIR3760 and DFHIR3765).

Note: The session, although apparently started, is not in a usable state.

System Action: The IRC session is not started.

User Response: Perform another IPL.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3773 *applid* Unable to start interregion communication because the APPLID option has a blank value.

Explanation: Either the default value of *applid* (on DFHTCT TYPE=INITIAL, DFHSIT, override) must be used, or a value which is not a null value must be used.

System Action: The IRC session is not started.

User Response: Correct the *applid* value.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3775 *applid* Unable to start interregion communication because short on storage.

Explanation: Main storage is required to start the IRC session, but the storage is not available.

System Action: The IRC session is not started.

User Response: Wait until the storage condition has eased, then issue CEMT SET IRC OPEN command at the master terminal.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3776 *applid* Unable to start interregion communication because another CICS system of the same name is active.

Explanation: A CICS system is named by its *applid* value. If two CICS systems have the same *applid* value, the interregion communication SVC cannot distinguish between the systems.

Note: This situation may arise if a previous interregion communication (IRC) session could not be stopped; see message DFHIR3760. In this case, the IRC SVC would consider that the new session conflicted with the old (unstoppable) session.

System Action: The IRC session is not started.

User Response: Use a different generic *applid* for each CICS system.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3777 *applid* The interregion communication table is full

Explanation: The interregion communication SVC's user table is full.

System Action: The IRC session is not started.

User Response: When there are fewer batch-sharing programs running, issue CEMT SET IRC OPEN at the master terminal.

- + A common cause of this error is that MAXGROUP is set too low in
- + an XCF Sysplex environment. Check the value of MAXGROUP
- + and, if necessary, raise it to suit your environment. For further
- + information, see the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3778 *applid* Insufficient storage is available for interregion communication blocks.

Explanation: There is insufficient key 0 storage for the IRC control blocks. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The IRC session is not started.

User Response: Ensure that sufficient storage is available. See the *CICS/ESA Performance Guide* for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3779 *applid* Insufficient storage is available for interregion communication subsystem blocks.

Explanation: There is insufficient storage for the control blocks required by IRC. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The IRC session is not started.

User Response: Ensure that sufficient storage is available. See the *CICS/ESA Performance Guide* for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3780 *applid* Unable to start interregion communication. Return code=X'code', Reason=X'code'.

Explanation: CICS attempted to establish itself as a user of the interregion communication (IRC) services, but the attempt failed.

System Action: The IRC session is not started.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The return and reason codes correspond to a number of possible errors. See Interregion Control Blocks (IRC) in the *CICS/ESA Data Areas* manual for an explanation of these codes. Check that the following requirements are satisfied:

- DFHIRP is in the link pack area (LPA)
- CICS has been defined as an operating system subsystem. The *CICS/ESA Installation Guide* explains how to define CICS as a subsystem.
- The CICS DB2 attachment has **not** been initialized before the first start of IRC in a CICS system that is using **both** of the following:
 - Multiregion operation (MRO) or CICS shared database, where any of the installed MRO or CICS shared database resource definitions specify ACCESSMETHOD(XM)
 - The DB2 CICS attachment to run DB2 applications.
- There has been no SURROGAT security violation preventing the region logging on to the CICS interregion program (IRP).
- The CICS region has a unique generic *applid* within the MVS sysplex.

If the message is issued when all of these conditions have been met, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, X'code', X'code'*

DFHIR3781 *applid* **Unable to start interregion communication because task CSNC cannot be attached.**

Explanation: Definitions for CSNC or DFHCRNP have not been installed, or DFHCRNP is missing from the CICS program library.

System Action: The IRC session is not started.

User Response: Make CSNC or DFHCRNP available.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3782 *applid* **Updates performed by batch job with following ID will be backed out: *batchid***

Explanation: The specified batch job had an agent (mirror) transaction that was incomplete when the CICS system failure occurred. DL/I updates made by the mirror (and therefore the batch job) are to be backed out to the last checkpoint if a CHKP request was issued by the batch application. The batch ID has the format *x - t*, where:

x = *jobname.stepname.procname* (unless a CHKP call has been issued by the batch application)

or

checkpoint ID (if CHKP has been issued)

t = *time* (hh:mm:ss) at start of job
or latest checkpoint

System Action: DL/I updates for the specified batch ID will be backed out.

User Response: None

Destination: Console

Module: DFHRUP

XMEOUT Parameters: *applid, batchid*

DFHIR3783 *date time applid* **Transaction *transid* *termid* *termid* - Connected transaction abended with message *xxxx***

Explanation: Transaction *transid* was connected to a transaction in another CICS system, through an MRO link. This other transaction has abnormally terminated with the given message, causing the local transaction to abnormally terminate.

System Action: The transaction abnormally terminates.

User Response: Correct the cause of the abend in the connected transaction.

Destination: CSMT

Module: DFHZCX

XMEOUT Parameters: *date, time, applid, transid, termid, xxxx*

DFHIR3785 *applid* **Interregion control task CSNC abend. Interregion activity will be abnormally terminated.**

Explanation: CSNC is abnormally terminated.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. CICS also abends all tasks in other CICS regions (including CICS shared data base batch regions) that are currently communicating with this system.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Following this abend it is not possible to use IRC within this CICS system. CICS must be restarted before IRC can be used.

Destination: Console

Module: DFHCRNP

XMEOUT Parameter: *applid*

DFHIR3786 *applid* **Unable to start interregion communication because module DFHSCTE could not be found.**

Explanation: The IRC module DFHIRP attempted to load DFHSCTE, but the module was not in the LPA.

System Action: The interregion communication session is not started.

User Response: Ensure that DFHSCTE is available.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3787 *applid* **Unable to start inter-region communication because there are no IRC entries in the system.**

Explanation: No valid MRO connections have been installed.

System Action: Interregion communication is not started.

User Response: If IRC is required, install appropriate MRO connection and session definitions. See the *CICS/ESA Resource Definition Guide* for guidance on defining MRO connections and sessions. If IRC is not required, run with system initialization option IRCSTRT=NO.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

+ APAR PN58600

+ **DFHIR3788** *date time applid* **Unexpected failure (return, reason code=*X'code'*, *X'code'*) trying to establish connection to system *sysid***

Explanation: CICS could not establish a link to system *sysid*, even though system *sysid* is available for communication and has sufficient receive sessions. The code *X'code'* returned by the interregion communication SVC is one of the following:

| **12** The secondary to primary converter has failed.

| **68** The secondary system is not in the primary LCB

| **92** The system being connected to is not logged on.

| **96** The connecting system has issued an error return code.

| **100** A GETMAIN failed for CSB storage.

- | 104 The secondary system is not in the primary LCB. The system is not defined.
- | 108 No primary CCB. Check the definitions for the connection.
- | 112 The secondary system is in quiesce mode.

APAR PQ14884

Return codes information added to message DFHIR3788

- # The reason code X'code' returned by the interregion communication SVC is dependent on the level of the DFHIRP program being used.
- # If the DFHIRP in use is at the CICS/ESA V4.1 level then the reason code is unpredictable and has no specific meaning.
- # If the DFHIRP in use is at the CICS Transaction Server Release 1 level or higher see Interregion Communication Control Blocks in the relevant CICS Data Areas manual for a complete list of reason codes. (The names of all the return codes and reason codes start with IRERR and IRERQ respectively).

A possible reason for this message is that the *applid* of the system on which the message appears does not match the NETNAME on any of the system entries (DFHTCT TYPE=SYSTEM) defined in system *sysid*.

System Action: The connection is not established. Any existing connections are not affected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If an *applid* or a NETNAME mismatch has occurred, correct the error and retry.

If a mismatch is not the cause of the error, you may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, X'code', X'code', sysid*

DFHIR3789 *date time applid* SEND/RECEIVE mismatch between TCT system entries for this system and system *sysid*
Explanation:

- The number of send sessions defined in this system's TCT entry for system *sysid* does not equal the number of receive sessions defined in system *sysid's* TCT entry for this system, or
- The number of receive sessions defined in this system's TCT entry for system *sysid* does not equal the number of send sessions defined in system *sysid's* TCT entry for this system.

System Action: As many sessions as possible are established.

User Response: Alter one or both DFHTCT entries.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, sysid*

DFHIR3790 *date time applid* Unable to connect to system *sysid* for security reasons

Explanation: The TYPE=SYSTEM entry in system *sysid's* DFHTCT entry for this system contained a SECURITYNAME operand that did not match the real external security ID of this system, or the ID was unknown to IRC.

System Action: The connection is not established.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Discuss with the system programmer responsible for system *sysid*.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, sysid*

DFHIR3791 *applid* Unable to start interregion communication because ISC=NO has been specified.

Explanation: IRC facilities are not available because ISC=NO has been specified.

System Action: The interregion communication session is not started.

User Response: Run with a value other than NO in the ISC operand of DFHSIT or system initialization overrides.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3794 *date time applid* Interregion usage of MVS CSA storage has reached *nxxx* bytes for this IPL

Explanation: The maximum number of MVS CSA bytes used so far in this IPL by the CICS interregion communication facility (for interregion buffers), is *nxxx*.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHZCX

XMEOUT Parameters: *date, time, applid, nxxx*

DFHIR3795 ABNORMAL TERMINATION - STATUS CODE DHxx

Explanation: The IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or DL/I has returned a status code to HLPI that indicates an error. *xx* is the status code.

System Action: The batch program abnormally terminates with abend code 3795.

User Response: Correct the error and try again. See the IMS *Application Programming: DL/I Calls* or the *Application Programming: EXEC DL/I Commands* for an explanation of the IMS status code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPG

DFHIR3796 *date time applid* Transaction *tranid* *termid* *termid* - A connected transaction sent issue abend with following message: *xxxxxxx*

Explanation: Transaction *tranid* was connected to a transaction in another CICS system via an MRO link. The other transaction sent an ISSUE-ABEND flow with a message.

System Action: Processing continues.

User Response: Examine the information in the included message to determine the circumstances and what action to take.

Destination: CSMT

Module: DFHZIS1.

XMEOUT Parameters: *date, time, applid, tranid, termid, xxxxxx*

DFHIR3797 FAILURE HAS OCCURRED IN IRC DURING TASK TERMINATION RC-xxxxxxx

Explanation: CICS was trying to execute an SVC, which required a load of a module, or CICS was trying to perform the function requested of the SVC but failed for one of the following reasons:

Code	Reason
01	Service not authorized.
02	Load of module failed.
03	The module required is not in the link pack area (LPA).
04	Invalid function requested.
05	While invoking the VSMLLOC service to determine whether a module was in the linkpack area, an invalid return code was received.
06	A service module loaded by CICS SVC, which should be in key zero storage, has been loaded into nonkey zero storage.
07	The CICS SVC has been called from a routine running under control of an MVS IRB that has interrupted a previous invocation of the SVC for the same TCB.

System Action: Processing continues.

User Response: Take the appropriate action, which depends on the return code, before trying again.

Code	User Response
01	Libraries in STEPLIB must be APF authorized.
02	Note any additional messages that may be displayed and notify your system programmer.
03	Check CICS setup. DFHIRP must be in the LPA.
04	Ensure that: <ul style="list-style-type: none"> • The parameter length is not greater than the maximum length. • The function code is positive. • The function code is a multiple of four. • The function code is not greater than the maximum function code of 44.

This code is issued by DFHIRP.

05 See the *MVS/ESA Application Development Macro Reference* for an explanation of this return code.

06 Ensure that the linkedit characteristics of the service module are correct.

07 This is the result of a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHIRP.

DFHIR3798 *applid* IRC Not Started. Unable to load Interregion Communication Work Exit DFHIRW00.

Explanation: As part of interregion communication initialization, an attempt is made to establish an internal work exit mechanism. This attempt has failed.

The most likely reason for the failure is that the interregion communication work exit module, DFHIRW10, cannot be loaded. This module should appear in an APF authorized library in the STEPLIB concatenation for the CICS region, in the linklist, or in the LPA.

System Action: The attempt to initiate the interregion communication facility (via the IRCSTRT DFHSIT or override option or via the CEMT SET IRC OPEN command) fails. CICS continues.

User Response: Ensure that the interregion communication work exit module, DFHIRW10, is available to be loaded.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3799 *applid* Unable to start interregion communication because DFHIRP services are down level.

Explanation: The version of DFHIRP being used is at a lower level than that of the caller wishing to make use of interregion communication.

System Action: The interregion communication session is not started.

User Response: If IRC is required, update the level of the DFHIRP module in the LPA such that it matches the level of the latest CICS version in use. If IRC is not required, run with system initialization override option IRCSTRT=NO.

Destination: Console

Modules: DFHSIJ1, DFHDRPF

XMEOUT Parameter: *applid*

DFHJCxxxx messages**DFHJC0001** *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*.

Alternatively, unexpected data has been input, or storage has been overwritten. The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number

referring to a CICS message (for example, AKEA is a CICSabend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHJCRM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHJC0002 *applid* A severe error (code *X'code*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHJCRM

XMEOUT Parameters: *applid, X'code', modname*

DFHJC0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function in which case there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

However, if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHJCRM

XMEOUT Parameters: *applid, X'offset', modname*

DFHJC2900I DFHTEOF UTILITY.

Explanation: This message is for information only. The DFHTEOF utility has begun execution.

System Action: The program continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2901I DFHTEOF COMPLETED, ON SIGNAL THAT TAPE WAS ALREADY INTACT.

Explanation: The DFHTEOF utility was invoked by CICS initialization. It has completed successfully. It indicates that the "Fast Restart" path was taken because the tape was known to be closed during the previous shutdown. The tape is not written over, but is positioned ready for input backward.

System Action: The program terminates.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

**DFHJC29021 UNABLE TO ALLOCATE STORAGE. DFHTEOF
TERMINATES ABNORMALLY.**

Explanation: Storage was not available for this program when the GETMAIN macro instruction was issued.

System Action: Program execution is abnormally terminated with abend code 2902.

User Response: Increase the region size and rerun.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC29031 UNABLE TO OPEN LOG VOLUME.

Explanation: An OPEN macro instruction has been issued but it has failed to open the journal.

System Action: Program execution is abnormally terminated with abend code 2903.

User Response: Check for a missing data definition (DD) statement for the data definition name DFHTAPE.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

**DFHJC2904D DO YOU WANT TO SWAP JOURNAL VOLUMES?
REPLY 'Y' OR 'N'.**

Explanation: A negative response was received during label verification of a journal volume.

System Action: If the response is 'Y', the program will close the current volume and request another journal volume.

If the response is 'N', program execution will abnormally terminate with message DFHJC2915.

User Response: Reply 'Y' if the incorrect volume is mounted and another volume should be mounted. Otherwise, reply 'N'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

**DFHJC29051 eeee ERROR ON PREVIOUS RECORD - NEXT
RECORD LABEL VALID.**

Explanation: While the labels of the journal were being validated, an error eeee occurred. However, the next sequential label record was found to be valid. (That is, part of the CICS run being examined.) eeee is one of the following:

- DATA CONVERSION
- WORD COUNT ZERO
- OVERRUN
- DATA CHECK

- EQUIPMENT CHECK
- BUS-OUT CHECK
- INTERVENTION RQ
- COMMAND REJECT

System Action: The task will write the label information and enquire if further processing should continue by issuing message DFHJC2909.

User Response: Decide whether you want to continue processing or not. Respond appropriately to message DFHJC2909.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2906I VOLUME LABEL VERIFICATION.

Explanation: This message indicates that volume labels are being verified and that the operator's decision is needed for messages DFHJC2907 and DFHJC2909 which follow.

System Action: The program continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

**DFHJC2907I LABEL INFORMATION - VOLUME NUMBER
yyddd/nnn/nnn RUN time1 BLOCK time2.**

Explanation: This is an informatory message. It displays fields from the label record that the operator is requested to examine. The context in which the operator is required to examine these fields is given in the preceding message. This must be done in order to verify that

- the correct volume is open,
- logical continuity is not lost and that
- logical continuity is ended at the expected point.

yyddd is the date this volume was created, nnn is the volume sequence number within the day and the run, time1 is the time that the run started and time2 is the time that the block was written to the tape. Both "time" fields have the form hh:mm:ss.

If the journal is in the SMF format, no details of the start of the run are available, so the date and the time1 fields are made to show when the first block of this reel was written.

For standard-labeled tapes, the word NUMBER is overlaid with the volume serial number.

Note: The volume-creation date, the run-start time and block-output time do NOT all necessarily refer to the same day.

System Action: Message DFHJC2908 is issued if volume verification is in progress. Message DFHJC2912 is issued if record label verification is in progress.

User Response: Check the label information displayed and reply accordingly to message DFHJC2908 or message DFHJC2912.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2908D IS MOUNTED VOLUME VALID - 'Y' OR 'N'.

Explanation: This message refers to the verification of a mounted journal volume.

System Action: The system waits for a reply. If the reply is 'Y', processing continues for the location of the end of valid journal records.
If the reply is 'N', volume swapping takes place.

User Response: Reply 'Y' if label information is valid. Reply 'N' if label information is invalid.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2909D CONTINUE PROCESSING? REPLY 'Y' OR 'N'.

Explanation: This message follows message DFHJC2905 when an I/O error occurs and the next label record is valid.

System Action: The system waits for a reply. If the reply is 'Y', processing continues until end-of-data is detected.
If the reply is 'N', execution of program DFHTEOF is terminated.

User Response: Reply 'Y' if processing is to continue. Reply 'N' if processing is to terminate.

Note: If this is the system log, the error may recur during recovery processing.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2910I AN I/O ERROR HAS OCCURRED. DFHTEOF TERMINATES ABNORMALLY.

Explanation: A negative response was received for message DFHJC2909.

System Action: Program execution is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2911I RECORD LABEL VERIFICATION.

Explanation: This message indicates that record labels are being verified. This message is issued if:

1. a record label does not match the first label record on the volume, or
2. unit-check errors occurred in succession, or
3. a "hard" error occurred (implying, on a 3480) that the read head ran past the end of good data).

System Action: Message DFHJC2907 is issued, bearing data from the record preceding the fault.

User Response: Refer to message DFHJC2907 for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2912D IS THE JOURNAL RECORD LABEL VALID? REPLY 'Y' OR 'N'.

Explanation: This message follows message DFHJC2907. It requests verification of the last valid record label that was found by the program DFHTEOF.

System Action: The system waits for a reply. If the reply is 'Y', an end-of-file (EOF) mark is written on the tape volume and the program is terminated.

If the reply is 'N', program execution is abnormally terminated.

User Response: Reply 'Y' if the label information is correct. Otherwise reply 'N'.

Note: The label information can be verified by comparing the data with the volume previously displayed, and with the known time when the run that produced this data set ended.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2913I NEGATIVE RESPONSE TO RECORD LABEL VERIFICATION. DFHTEOF TERMINATES ABNORMALLY.

Explanation: This message is issued when the response to message DFHJC2912 is negative.

System Action: Program execution is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2914I END-OF-DATA OCCURRED. LAST RECORD LABEL VERIFICATION FOLLOWS.

Explanation: An end-of-data condition occurred but there was no detection of an error (unless stated by DFHJC2926).

System Action: If DFHTEOF is being invoked by CICS initialization, then this message is followed by DFHJC2901. If DFHTEOF is being run as a batch utility, then this message is followed by DFHJC2907.

User Response: None as far as this message is concerned, but user action may have to be performed for the messages that follow this one.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2915D IS THE CORRECT VOLUME MOUNTED? REPLY 'Y' OR 'N'.

Explanation: When end-of-data occurs, the label information of the last record is written to the console for verification.

System Action: The system waits for a reply. If the reply is 'Y', the program is terminated. If the reply is 'N', the option to swap volumes is given.

User Response: Reply 'Y' if the correct volume is mounted. Reply 'N' if the wrong volume is mounted.

Note: The option to swap volumes will be given in those cases where the wrong volume was originally mounted.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2916I AN UNRECOVERABLE I/O ERROR HAS OCCURRED. DFHTEOF TERMINATES ABNORMALLY.

Explanation: An error, other than unit check or unit exception, was detected on the journal volume.

System Action: Further processing is discontinued and execution of the program is abnormally terminated.

User Response: There is a possible hardware malfunction. Have the problem corrected and then resubmit the program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2917I INCORRECT REPLY x.

Explanation: An incorrect reply character, x, was received in response to action messages.

System Action: The program reissues the message that received this incorrect reply.

User Response: Reenter the correct reply.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2918I NEGATIVE RESPONSE TO VOLUME VERIFICATION. DFHTEOF TERMINATES ABNORMALLY.

Explanation: A negative response was received for volume-label verification. No swapping of volumes was required.

System Action: Program execution is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2919I END-OF-DATA. EITHER NO VOLUME LABEL, OR INVALID VOLUME MOUNTED.

Explanation: During volume label verification, an end-of-data condition occurred before verification could be performed. This normally indicates that a wrong volume was mounted.

System Action: After the DFHJC2919 is issued, message DFHJC2904 is issued to swap volumes.

User Response: Reply 'Y' and mount the correct volume, or reply 'N' to terminate the program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2920I NEGATIVE RESPONSE AFTER END-OF-DATA OCCURRED. DFHTEOF TERMINATES ABNORMALLY.

Explanation: After end-of-data (EOD) occurred, a negative response was received for label verification of the volume and for swapping of the volume.

System Action: Program execution is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2921I I/O ERROR DURING WRITE. DFHTEOF TERMINATES ABNORMALLY.

Explanation: An I/O error occurred while writing a dummy record to enable output processing. This causes an end-of-file mark to be written during execution of the CLOSE macro instruction (as it would be for an OUTPUT data set).

System Action: DFHJC2921 is written to the operator console and execution of the program is abnormally terminated.

User Response: Rerun DFHTEOF and use another tape drive.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2922I UNABLE TO OPEN 3480 JOURNAL VOLUME FOR REPOSITIONING.

Explanation: After the broken end of a data set on a 3480 tape was identified, DFHTEOF attempted to reopen the device in order to position and close the data set properly. However, the OPEN failed.

System Action: The task abnormally ends.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2923I ERROR READING 3480 JOURNAL VOLUME FOR REPOSITIONING.

Explanation: After the position at which the last previously written record had been identified on the 3480 tape, DFHTEOF opened the device in order to reposition and close the data set properly. However, DFHTEOF encountered either a serious error, or a tapemark that had not been seen during a previous analytical scan.

System Action: The task abnormally ends.

User Response: There has been a possible hardware malfunction. Re-submit the program. If it fails again, check for a hardware malfunction and have it corrected.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2924I FIRST RECORD ON THIS TAPE IS NOT FORMATTED AS A JOURNAL LABEL

Explanation: Verification of the mounted volume failed because some expected constant and packed-decimal fields were not found in the first block read.

System Action: DFHJC2904 is issued to try for another volume.

User Response: A non-journal tape was probably mounted in error. Mount the correct journal.

Alternatively, the correct volume has been mounted, but it may have been damaged or overwritten. Investigate for a possible loss of data and try to recover the situation.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2925I I/O ERRORS OCCURRED - NO RECORDS READ.

Explanation: During volume verification, I/O errors occurred which prevented the first two blocks from being read. This normally indicates that a wrong or a damaged volume was mounted.

System Action: After the above message is issued, message DFHJC2904 is issued to swap volumes.

User Response: Reply 'Y' and mount the correct volume, or reply 'N' to terminate the program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2926I ERROR FOUND ADJACENT TO FINAL TAPEMARK. ONE RECORD WILL BE ELIMINATED.

Explanation: An error occurred while DFHTEOF was scanning the labels of the journal. The next sequential read returned "unit exception.". The most probable cause is that the unit exception indicates a correctly-placed tapemark at the end of the data set, but that the last data block is unreadable.

System Action: The task will treat the data set as logically ending with the block before the faulty one. The task will attempt to

position and close the journal at the point preceding the faulty block.

User Response: No user action is required but you should be aware that some data may be permanently lost.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2927I ERROR FOUND AT BEGINNING OF DATASET. INPUT IS RE-TRIED.

Explanation: An error was detected during the first attempt to read the data set. DFHTEOF makes a second attempt to read the data set.

In the case of the system log, there is a significant chance that restart may still succeed. This is because reading backward does not necessarily reach the beginning of the tape.

System Action: DFHTEOF continues analysis, depending on what it finds during the second read.

User Response: No user action is required, but you should be aware that some data may be lost.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC2928I DFHTEOF COMPLETED, LEAVING *nnnnnn* BLOCKS IN PLACE.

Explanation: Although the DFHTEOF utility has completed successfully, the previous shutdown was unable to close the tape. DFHTEOF scans the tape looking for the last record and places an end-of-file marker after the last record. DFHTEOF counts the number of blocks read. This number is indicated by *nnnnnn*.

System Action: DFHTEOF terminates.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTEOF

DFHJC4500 *applid nn of mm* journals successfully opened

Explanation: This is an informational message, issued at system initialization time. Both the inserts are two-digit numbers.

Note: The system programmer may suppress this message with MSGLVL=0. This message also does not occur when the run has START=LOGTERM coded, either in the SIT or by operator override.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHJCKOJ

XMEOUT Parameters: *applid, nn, mm*

DFHJC4501 *applid* CICS {System Log | Journal nn} not available - initial open failure

Explanation: The journal *nn* could not be opened for output at system initialization time.

System Action: If the journal is specified with the CRUCIAL option in its journal control table (JCT) entry, CICS is terminated with a dump and an MVS user abend code of 0113. Otherwise, CICS execution continues and the journal is unavailable for the duration of the run.

User Response: Ensure that the correct JCL is supplied. For a disk journal, check that the data set had been preformatted correctly. For further information, see the *CICS/ESA System Definition Guide*.

If the error persists, check for prior messages indicating a possible data corruption. If the error still persists, allocate a different device.

Destination: Console

Module: DFHJCKOJ

XMEOUT Parameters: *applid*, {1=System Log, 2=Journalnn}

DFHJC4502 CICS {SYSTEM LOG | JOURNAL nn} MOUNT {SCRATCH VOLUME | VOLUME= valid} ON *cuu* FOR OUTPUT. {REPLY YES WHEN AVAILABLE}

Explanation: The named volume or a scratch volume is to be mounted and opened to receive the output of the specified journal.

nn indicates the journal; *cuu* is the address of the tape unit; *valid* is the volume serial number for a standard labeled tape.

The sentence "REPLY 'YES' WHEN AVAILABLE" is issued as part of this message only if you are using an unlabeled tape and the PAUSE option has been specified in the JCT.

System Action: If you are using unlabeled tapes with the PAUSE option specified in the journal control table (JCT), the system waits for the operator to reply 'YES' in response to this message to indicate that the scratch volume is available.

If you have standard labeled tapes, or if you have unlabeled tapes without the PAUSE option specified in the JCT, the system does not require or wait for a response.

An operating system OPEN request is issued with this message (or after the positive response if a reply is required). When the OPEN succeeds, or after a positive response if a reply is required, message DFHJC4503 is issued.

User Response: Mount and ready on the addressed device either an unlabeled tape or the standard-labeled tape specified in the message. The volume will receive output records for journal *nn*.

Do not delay taking action, or other journal OPEN and/or CLOSE processing may be held up.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCOCP

DFHJC4503 *applid* CICS {System Log | Journal nn}. Volume *volser* *yydddmmm* Run *hh.mm.ss* now receiving output on *cuu*.

Explanation: The tape volume on device *cuu* is CICS journal *nn* and has been allocated.

nn is the current journal identification.

volser is the volume serial number for a standard-labeled tape. If the serial number is not found the literal 'Number' is displayed.

yyddd is today's date.

mmm is the volume sequence number.

hh.mm.ss is the start-time of the CICS run.

This message always follows message DFHJC4502.

System Action: Processing continues.

User Response: Prepare a physical label for when the tape is unloaded later in the CICS execution. The action is optional if the journal is using standard-labeled tapes.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCO

XMEOUT Parameters: *applid*, {1=System Log, 2=Journal nn, *volser*, *yyddd*, *mmm*, *hh.mm.ss*, *cuu*}

DFHJC4504 CICS {SYSTEM LOG | JOURNAL nn} MOUNT ON *cuu* FOR INPUT: {LATEST OUTPUT VOLUME | NEXT VOLUME (IF ANY) | PREVIOUS VOLUME (IF ANY) | *pubschar label* | *VOLID= pubschar volumeid*}

Explanation: CICS requires journal volume *nn* to be mounted on device *cuu*. LATEST, NEXT and PREVIOUS refer to the sequence implied by the external label allocated by CICS (see message DFHJC4503). External labels are sequential by date and volume sequence number for a particular CICS execution. In a journal defined on standard-labeled tapes, the last part of the message will give the correct volume serial number explicitly.

System Action: This message is always followed by message DFHJC4505, which requires a reply of YES or NO.

User Response: Locate the appropriately labeled tape reel if it is not already mounted. If the volume is already mounted and the drive ready, do not touch it. Otherwise, merely mount the volume but do not ready the drive. Then reply to message DFHJC4505, which always follows message DFHJC4504.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCOCP

DFHJC4505 CICS {SYSTEM LOG | JOURNAL nn} REPLY 'YES' IF VOLUME AVAILABLE, OR 'NO' IF NOT

Explanation: This message accompanies message DFHJC4504, requesting a journal tape volume to be mounted for input.

System Action: If the reply is 'YES', CICS issues an operating system OPEN request. If the reply is 'NO', a volume error status is returned to the requesting transaction by CICS.

User Response: Reply 'YES' if the volume has been located, or 'NO' if it cannot be found or if the request was for a nonexistent volume label. After a YES reply, prepare to mount the volume onto the tape drive, unless the volume was already mounted and left ready on the drive (see message DFHJC4506). Do not delay replying, or other journal open/close processing may be held up.

DFHJC4506

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCOCP

DFHJC4506 CICS {SYSTEM LOG | JOURNAL nn} {pubschar label} { LATEST OUTPUT VOLUME NOW CLOSING BUT REMAINING ON | UNLOADING FROM | REWINDING UNIT | VOLUME FOR INPUT (BUT NEVER USED), UNLOADING CUU=cuu}

Explanation: The specified journal tape volume has been closed. External label information (see message DFHJC4503) previously allocated by CICS is provided if the tape is being unloaded from the drive.

System Action: This is the action indicated by the message text. Namely that the tape is either unloading from or remaining on the drive whose address is given.

User Response: If the tape is unloaded and does not have standard labels, attach a physical label to it, as indicated in the message text. This label is the external label to which CICS may later refer when asking for it to be mounted (see message DFHJC4504). If the tape does have standard labels, this action is unnecessary.

If the tape is not unloaded, you should leave it and the drive alone (unless the tape is due to be removed anyway; for example, to be read on another system).

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCOCP

DFHJC4507 applid CICS {SYSTEM LOG | JOURNAL nn} {PRIMARY | SECONDARY | EMERGENCY} **DATA SET ABOUT TO RECEIVE OUTPUT ON** cuu. **REPLY 'Ynn{A | B | X}' WHEN AVAILABLE**

Explanation: The specified journal disk data set is about to be overwritten by output. The journal was specified with the PAUSE option in its journal control table (JCT) entry. The emergency data set refers to the system log data set with ddname DFHJ01X, which is used only during emergency restart.

System Action: Processing continues.

User Response: For a detailed description of the pause mechanism, see the *CICS/ESA Operations and Utilities Guide*. Ensure that any installation operational procedures to copy (archive) data from the data set have been completed, then reply '{YnnA|B|X}' as prompted by the message. Do not delay replying in case other journal open or close processing is held up.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCOCP

DFHJC4508 applid CICS {SYSTEM LOG | JOURNAL nn} {PRIMARY | SECONDARY | EMERGENCY} **DATA SET NOW RECEIVING OUTPUT ON** cuu

Explanation: The specified journal disk data set is being used (overwritten). The emergency data set refers to the system log data set with ddname DFHJ01X, which is used only during emergency restart. *applid* is the VTAM APPLID of the CICS system issuing the message.

System Action: The specified data set of journal *nn* becomes the current volume for output.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCOCP

DFHJC4509 applid The Global Catalog control record cannot be updated

Explanation: An error occurred when reading or writing the control record on the global CICS catalog. The record is being updated with the latest volume serial number and a timestamp. A previous message may indicate the reason why there is a problem with the global catalog.

System Action: CICS is terminated with a dump.

User Response: Refer to any preceding messages for further information and guidance. Correct the problem with the catalog.

Destination: Console

Module: DFHJCO

XMEOUT Parameter: *applid*

DFHJC4510I applid All open journals now closed

Explanation: Informatory message issued when CICS is in the process of terminating execution.

System Action: System termination continues.

User Response: None.

Destination: Console

Module: DFHJCSDJ

XMEOUT Parameter: *applid*

DFHJC4511 applid Link to a journal control transient failed

Explanation: CICS could not find one of the following journal control transient programs in the program library: DFHJCO, DFHJCC, DFHJCEOV, DFHJCIOE, or DFHJCI.

System Action: CICS execution is terminated with a dump. The MVS user abend code is 0111.

User Response: Either restart CICS with the journal control option disabled, or ensure that all the above programs are in the program library.

Destination: Console

Module: DFHJCP

XMEOUT Parameter: *applid*

DFHJC4512 *date time applid CICS {System Log | Journal nn}* no longer available - output volume-switch failure

Explanation: An invalid response code was obtained by a CICS journal task while trying to perform the close/open sequence to switch automatically to a new journal output volume. *applid* in the message is the VTAM APPLID of the CICS system issuing the message.

System Action: If the journal is specified with the CRUCIAL option in its journal control table (JCT) entry, CICS execution is abnormally terminated with a dump. The MVS user abend code is 0112.

If the journal is not CRUCIAL, execution continues and the journal is unavailable for the duration of the run; the journal task of the journal is abnormally terminated with CICS abend code AJCB.

User Response: Restart CICS, if it has terminated. Inform the person(s) responsible for debugging system errors of the condition, which should not occur, and may be due to an operating system or device open/close failure, or to a CICS error.

For further information, refer to abend code AJCB.

Destination: CSMT

Module: DFHJCEOV

XMEOUT Parameters: *date, time, applid, {1=System Log, 2=Journal nn}*

DFHJC4513 *date time applid CICS {System Log | Journal nn}* no longer available - output I/O error

Explanation: An unrecoverable output I/O error has occurred for the specified journal data set. *applid* in the message is the VTAM APPLID of the CICS system issuing the message.

System Action: The journal task for the specified journal terminates abnormally with abend AJCA. CICS continues, but the journal remains unavailable for the rest of the run.

Message DFHJC4513 is always followed by message DFHJC4517. If CRUCIAL is specified, then message DFHJC4518 is also issued to prompt the terminal operator, and transactions attempting to use the journal will terminate abnormally with abend AJCR.

User Response: Inform the person(s) responsible for the integrity of journal data sets. If the error persists, allocate a different device or data set to the journal.

For further information, refer to abend code AJCA.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCIOE

XMEOUT Parameters: *date, time, applid, {1=System Log, 2=Journal nn}*

DFHJC4514 *applid* Journal Control subtask has abnormally terminated

Explanation: The operating system subtask DFHJCOCP, used by journal control for open/close requests and console communication, has abnormally terminated. The subtask only performs simple open or close processing. The abend may be due either to an operating system failure, to a device failure, or to a CICS error.

System Action: If the abnormal termination of the subtask occurs during the final termination phase of normal shutdown, CICS attempts to shut down journaling and the normal shutdown continues.

If the abnormal termination of the subtask occurs outside the final termination phase, CICS attempts to shut down journaling and then terminates abnormally with an MVS dump. The MVS user abend code is 0114.

User Response: Restart CICS. If the error recurs immediately, inform the system programmer.

Destination: Console

Module: DFHJCBSP

XMEOUT Parameter: *applid*

DFHJC4515 *applid* Unable to note open of System Log by DFHTEOF on DFHCD data set

Explanation: Before attaching DFHTEOF to open the system log for tape end-of-file processing, DFHSIC1 tries to update/write the system log control record in the CICS global catalog. This update/write operation has failed.

This message may have been preceded by another console message, issued by module DFHCCCC, which indicates the reason for the global catalog write error.

System Action: CICS terminates abnormally with a dump.

User Response: Look for any preceding console message issued by DFHCCCC which indicates the reason for the global catalog write error. The response code to the DFHCCCC call will also be found in the trace table, or in the DFHCCCC parameter list within the dump.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHJC4516 *applid* Unable to note {Open | Close | Status} of a journal on CICS Catalog

Explanation: The system log or a user journal has been opened or closed, but the following attempt to update or write the journal's status to the global CICS catalog has failed.

The record in question may be either the system log control record (which affects any later emergency restart from tape), or an "extent status" record, essential to the integrity of a disk journal.

If OPEN is inserted, the message is issued by DFHJCO.

If CLOSE is inserted, the message is issued by DFHJCC.

If STATUS is inserted, the message is issued by DFHJCP.

This message may have been preceded by another console message, issued by module DFHCCCC, which indicates the reason for the global catalog write error.

System Action: CICS takes a dump and terminates abnormally with MVS user abend code 0183.

User Response: Look for any preceding console message issued by DFHCCCC which indicates the reason for the global catalog write error. The response code to the DFHCCCC call will also be found in the trace table, or in the DFHCCCC parameter list within the dump.

Destination: Console

Modules: DFHJCO, DFHJCC, DFHJCP

XMEOUT Parameters: *applid, {1=Open, 2=Close, 3=Status}*

DFHJC4517 *date time applid* **A non-immediate shutdown of CICS should be initiated**

Explanation: CICS issues this message after DFHJC4513.

System Action: Processing continues.

User Response: If the journal is critical to the security of your data, close down CICS normally.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCIOE

XMEOUT Parameters: *date, time, applid*

DFHJC4518D *date time applid* **Reply 'YES' to acknowledge message DFHJC4517**

Explanation: CICS issues this message after DFHJC4517 if the unavailable journal is specified with Jouropt=CRUCIAL in the journal control table (JCT).

System Action: Processing continues.

User Response: Reply 'YES' to acknowledge receipt of messages DFHJC4513 and DFHJC4517.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCIOE

XMEOUT Parameters: *date, time, applid*

DFHJC4519 *applid* **Program DFHJCBSP is not available**

Explanation: During system initialization, CICS cannot find the journal control module, DFHJCBSP, and therefore cannot initialize journaling.

System Action: CICS terminates abnormally with MVS user abend code 0119.

User Response: Ensure that DFHJCBSP is a member of a data set concatenated to the DFHRPL DD statement in the CICS startup JCL.

Destination: Console

Module: DFHJCKOJ

XMEOUT Parameter: *applid*

DFHJC4520 *applid* **Required module *modname* could not be loaded.**

Explanation: Module *modname* is required by journal control. It could not be loaded because it is missing from the DFHRPL library list.

System Action: The system terminates with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that module *modname* is in the DFHRPL library list.

If this is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHJCRP

XMEOUT Parameters: *applid, modname*

DFHJC4521 *applid* **Next output volume for {System Log | Journal *nn*} on *cuu* is expected to be *volser***

Explanation: CICS has just closed one volume of a TAPE2 journal and opened another on the other drive of its pair. This message tells the operator which volume will next be requested for output on the drive now being vacated (unless a CICS shutdown or other abnormal event occurs).

nn is the number of a user journal, *cuu* is the device address of the tape drive, and *volser* is the volume serial of a tape known to CICS and assigned to the series carrying this journal.

System Action: Journaling continues normally.

User Response: If you expect this run to go on long enough to fill the volume that has just started, check that the volume named in the message is on hand, and mount it if convenient. If the volume is not available for any reason, use master terminal commands to update CICS volume lists and expectations.

Destination: Console

Module: DFHJCEOV

XMEOUT Parameters: *applid, {1=System Log, 2=Journalnn, cuu, volser}*

DFHJC4522 *ddname* **DDNAME *ddname* HAD A PERMANENT I/O ERROR.**

Explanation: An unrecoverable I/O error occurred while the CICS journal print utility was processing the data set defined in the DD statement *ddname*.

System Action: If the error occurred on an output data set, and multiple output copies were specified, processing continues with the other copies. Otherwise, the journal print utility terminates abnormally.

User Response: If the error occurred on an output data set, and you wish to rerun, change the DD statement to refer to a different volume, and resubmit the job. Take the original volume offline for recovery, if possible.

If the error occurred on an input data set, to be able to recover you must have a backup copy of the defective volume. You can change the DD statement to refer to the backup volume, and rerun the job. If you have a backup copy of a defective disk, you can use IBM utilities to recover the disk by flagging the defective track and pointing to an alternate track.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4523 **PROCESSING IS BEING TERMINATED FOR THIS OPTION.**

Explanation: This is an informative message issued by the CICS journal print utility, when it completes processing for an OPTION card. The card referred to is the last OPTION card before this message on SYSPRINT.

System Action: The journal print utility continues processing with the next option.

User Response: If no other messages appear between the OPTION card and this message, the termination is normal. If other messages have been issued, check them to see if the termination is normal or abnormal. If abnormal termination has occurred, correct the errors notified in other message(s), and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4524 INVALID CONTROL CARD FORMAT.

Explanation: The CICS journal print utility detected an error in an input CONTROL card. The card is displayed on SYSPRINT on the line before this message.

System Action: The journal print utility ignores the invalid card, and assumes standard defaults.

User Response: If the output of the run is not what you want, correct the invalid card and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4525 INVALID CARD TYPE.

Explanation: The CICS journal print utility read an input card that did not contain one of the following strings starting in column 1:

'CONTROL', 'OPTION', '*', or 'END'.

The invalid card is displayed on SYSPRINT in the line before this message.

System Action: The journal print utility ignores the invalid card and continues processing.

User Response: If the job fails or the output is not what you want, correct the invalid card and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4526 INVALID OPTION CARD OR PRIOR ERROR.

Explanation: The CICS journal print utility detected an error in an OPTION card or ignored it because of a previous error. The card is displayed in the line before this message.

System Action: The journal print utility ignores the card and continues processing.

User Response: If the job fails or the output is not what you want, correct the error and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4527 END OF JOB.

Explanation: This is an end-of-job information message issued by the CICS journal print utility when it terminates normally. Errors may have been detected but none was sufficient to cause abnormal termination.

System Action: The journal print utility terminates normally.

User Response: Check that all options completed normally. If not, submit another job for the options that you still need.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4528 NO OPTION CARDS SUPPLIED.

Explanation: The CICS journal print utility detected that, for one CONTROL card:

1. No OPTION cards were supplied **OR**
2. All the OPTION cards contained errors (notified in previous messages).

System Action: The journal print utility does no processing for the CONTROL card with no OPTION cards.

User Response: Supply correct OPTION cards for the options you want and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4529 UNABLE TO OPEN INPUT FILE.

Explanation: The CICS journal print utility was unable to open the input data set associated with the CONTROL card displayed before this message.

System Action: The journal print utility continues processing with the next input card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4530 ELEMENT LIST ERROR.

Explanation: The CICS journal print utility detected an error while processing an input file.

System Action: The journal print utility terminates processing with the MVS user abend code 0185.

User Response: This is usually caused by a previous error, for which a message has been issued. If any previous error messages were displayed, make the necessary corrections and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4531 END OF FILE ON INPUT.

Explanation: The CICS journal print utility has reached EOF on the current input file.

System Action: The journal print utility completes processing for the CONTROL card preceding this message on SYSPRINT.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4532 OPTION COMPLETE.

Explanation: The CICS journal print utility has completed processing for the OPTION card preceding this message on SYSPRINT.

System Action: The journal print utility continues processing with the next OPTION card or, if there are no further options before the END card, completes processing for the current control card.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4533 UNABLE TO OPEN OUTPUT FILE.

Explanation: The CICS journal print utility was unable to open the output data set associated with the last CONTROL card displayed on SYSPRINT before this message.

System Action: The journal print utility terminates processing for this CONTROL card, and continues processing with the next CONTROL card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4534 NO ELEMENT LIST ADDRESS.

Explanation: During CICS journal print utility processing, an error occurred in building the element list.

System Action: The journal print utility terminates processing for this element list, and terminates abnormally with the MVS user abend code, 0184.

User Response: This is an internal error in the journal print utility, DFHJUP. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4535 *date time applid* **The JACD cannot be initialized. Journal *journalno* will use 'PAUSE' instead of 'AUTOARCH'.**

Explanation: Archiving could not be initialized due to a problem opening the journal archive control data set (JACD). The specified journal will use PAUSE to control the journal data sets.

System Action: The status of the journal data sets is contained in the JACD, so it cannot be determined what the status of the journal data sets is. CICS will assume that all journal data sets are in

need of archiving, and will issue message DFHJC4583 or DFHJC4586.

User Response: First, respond to DFHJC4583 or DFHJC4586 (whichever has been issued). Then, until the reason for the failure has been investigated and corrected, the PAUSE option requests a response from the CPU console operator before a data set is reused. This gives the operator the chance to copy the data set (using a batch job) before it is reused.

Further information on PAUSE can be found in the *CICS/ESA Recovery and Restart Guide*.

The most likely causes of the problem are:

- JCL for the JACD is missing or incorrect. In this case, there will be an error message from MVS.
- The control interval (CI) size is not equal to 512 bytes. In this case, message DFHJC4564 will have been issued.
- An I/O error has occurred accessing the JACD. This will probably be a hardware error.

If you cannot find the problem, rerun with trace on to identify the source of the error. After correcting the problem, before CICS is restarted, ensure all journal data sets are archived as required, and redefine the JACD.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCRP

XMEOUT Parameters: *date, time, applid, journalno*

DFHJC4536 *date time applid I/O error while modname was accessing JACD. Journal *journalno* using 'PAUSE' instead of 'AUTOARCH'.*

Explanation: An I/O error occurred trying to access the journal archive control data set. Module *modname* caused this message to be issued.

The journal *journalno* uses PAUSE to control the journal data sets.

System Action: As it cannot be determined what the status of the journal data sets is, CICS assumes that all journal data sets are in need of archiving, and issues message DFHJC4583 or DFHJC4586.

User Response: You should respond first to DFHJC4583 or DFHJC4586, whichever has been issued. Then, until the reason for the failure has been investigated and corrected, the PAUSE option requests a response from the CPU console operator before a data set is reused. This gives the operator the chance to copy the data set (using a batch job) before it is reused. Further information on PAUSE can be found in the *CICS/ESA Recovery and Restart Guide*.

This problem is probably caused by a hardware error. Look out for an associated VSAM error message. If trace is on, you might be able to follow the course of the previous request and identify where the error occurred. If trace is not on and you cannot find the error, you should set trace on and rerun. This gives you the VSAM return code which you can check in the *MVS/DFP Macro Instructions for VSAM Data Sets* manual. After correcting the error, before CICS is restarted, ensure all journal data sets are archived as required, and redefine the JACD.

Destination: Console and Transient Data Queue CSMT

Modules: DFHJCO, DFHJCC, DFHJCKOJ

XMEOUT Parameters: *date, time, applid, modname, journalno*

DFHJC4538 *date time applid* **Error acquiring storage. Cannot submit archive for journal *journalno* datasetid.**

Explanation: A severe error has been detected by the storage manager domain and there should have been a previous message on the console indicating what this error was. The archive job for this journal will not be submitted.

System Action: Processing continues.

User Response: Take whatever action has been indicated in the previous message indicating the source of the error. Then manually submit an archive job for the journal data set *journalno*.

Set the status of the journal data set to READY, using the UPDATE function of the DFHJACDU utility. For further information about how to do this, refer to the *CICS/ESA Operations and Utilities Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4539 *date time applid insert* **disagrees with the information on the JACD for journal data set *journalno* datasetid.**

Explanation: This is a warning message which occurs at CICS initialization. *insert* may be either DSNAME or ARCHJCL. During the load of the journal control archive data set (JACD), either the CICS JCL for the journal data set (DSNAME), or the ARCHJCL parameter in the JCT, was different to the data held for this journal data set on the JACD. The journal data set name (DSNAME) or the ARCHJCL parameter, whichever is applicable, is given in the message. The JACD has been updated to reflect this new information and the status has been set to READY.

System Action: Processing continues.

User Response: None, unless this was not the expected result. The message implies that someone has changed the DD statement for the journal data set or the ARCHJCL parameter in the JCT since the last use of CICS. If this is unexpected, you may wish to change it back again by stopping CICS, making the required changes, and restarting.

You should note that, if you do this, message DFHJC4539 will be repeated because you have changed the attributes again. Also, an archive will have been submitted when CICS terminated if this data set had been opened.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, insert, journalno, datasetid*

DFHJC4540 *date time applid* **There was an error opening JACD. Journal archiving is not active.**

Explanation: An error occurred opening the journal archive control data set (JACD). If it was a VSAM open error, more information will be available in the VSAM open error message.

System Action: CICS initialization continues. As each journal that is using journal archiving attempts to initialize, message DFHJC4535 is issued, and the journal uses PAUSE mode.

User Response: The decision must be made whether to stop CICS prematurely. Investigate the reason for the open failure and correct before CICS is restarted. Ensure all journal data sets are archived as required. Then delete and redefine the JACD.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid*

DFHJC4541 *date time applid* **Journal *journalno* JACD records disagree with the journal data sets. *datasetid1* is now READY. *datasetid2* is unaltered.**

Explanation: During initialization, it was found that the information on the journal archive control data set (JACD) was out of step with the actual journal data sets.

System Action:

+

CICS starts logging according to the information on the journal data sets, not the information on the JACD. The data set that is to be used first is set to READY, and the other data set remains unaltered.

User Response:

+

+ This message indicates that the information on the the JACD does not agree with the information on the journal data sets. This situation is possible if the journal is reformatted as part of archiving. Ensure that the status of both data sets is correct, and that all archiving is complete. You may need to update DFHJACDU if the status is incorrect.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, journalno, datasetid1, datasetid2*

DFHJC4542D *date time applid* **Journal data set *journalno* datasetid is not ready. Reply 'GO' or 'SUBMIT'.**

Explanation: CICS wants to use the journal data set *journalno* *datasetid* but it has not been archived yet.

System Action: Wait for the operator to reply.

User Response: There are three possible courses of action:

- If there is an archive job running or about to run, wait for it to complete successfully and then reply GO.
- If there is not an archive job running or about to run, then enter SUBMIT, to archive the journal data set. After this has happened, message DFHJC4544 is issued.

Note that this implies that the previous archiving job failed, and you may want to investigate the cause of this. If this submitted job has failed or fails now, there are several possible explanations. For example:

- If there are user-supplied programs in the job stream, they may be impacting the output of the job.
- There may be a job control error.
- the job may not contain a job step to set the journal data set to READY.
- the JES queues may be very long and the job may not yet have started.
- If for some reason you cannot run or do not wish to run the archive job, then the status of the journal data set can be set to READY by running the UPDATE function of DFHJACDU. For further information on this, see the *CICS/ESA Operations and Utilities Guide*.

DFHJC4543D

Destination: Console and Transient Data Queue CSMT
Module: DFHJAP
XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4543D *date time applid* **Journal data set *journalno datasetid* is still not ready. Reply 'GO' or 'SUBMIT'.**

Explanation: 'GO' was entered to message DFHJC4542 or DFHJC4543 or DFHJC4544, but the journal data set *journalno datasetid* has still not been archived.

System Action: The system waits for the operator to reply.

User Response: The user response is the same as for message DFHJC4542.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4544D *date time applid* **Reply 'GO' when the archive completes or 'SUBMIT' if it has to be resubmitted.**

Explanation: This message will be issued after a reply of 'SUBMIT' to either DFHJC4542 or DFHJC4543 or DFHJC4544. An archive job will be submitted. At this stage, CICS does not know whether the archive job submitted has completed successfully. This message (DFHJC4544) is issued so that CICS can be informed of this.

System Action: The system waits for the operator to reply.

User Response: Reply 'GO' if the archive job completes successfully. If it does not, reply 'SUBMIT'. If the job continues to fail and this message is repeated, follow the user response for message DFHJC4542.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid*

DFHJC4545 *date time applid* **Journal data set *journalno datasetid* is READY. Archive not submitted.**

Explanation: This message will be issued after a reply of 'SUBMIT' to DFHJC4542, DFHJC4543, or DFHJC4544. A SUBMIT was requested, but the journal data set *journalno datasetid* is READY. An archive job for this data set has probably just completed.

System Action: CICS continues, and opens the journal data set.

User Response: Check that the SUBMIT was for the correct message or journal.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4547 *date time applid* **DFHJASP could not be loaded. No journal archiving can be performed.**

Explanation: The LOAD for DFHJASP failed during CICS initialization. CICS could not find DFHJASP. This is probably because DFHJASP was not in CICS SDFHLOAD.

System Action: CICS initialization continues. Journal archiving controls the reuse of journal data sets, but no archive submission is performed. When CICS attempts to submit an archive job, message DFHJC4548 is issued.

User Response: Add DFHJASP to CICS SDFHLOAD. DFHJASP cannot be used in this run of CICS. To use DFHJASP it is necessary to stop CICS and restart.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid*

DFHJC4548 *date time applid* **DFHJASP is not active. Archive for journal *journalno datasetid* will not be submitted.**

Explanation: The archive job could not be submitted because DFHJASP is not active. This message is normally followed by DFHJC4543.

System Action: The archive job is not submitted. CICS processing continues.

User Response: Investigate the reason for DFHJASP not being active. A possible reason is that DFHJASP was not loaded at CICS initialization, and message DFHJC4547 is issued to indicate this. Refer to the explanation to message DFHJC4547 for guidance in resolving this problem.

Submit the archive job manually and set the status of the journal data set to READY, using the UPDATE function of the DFHJACDU utility. This is documented in the *CICS/ESA Operations and Utilities Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4549 *date time applid* **Error acquiring storage during initialization. Journal archiving not active.**

Explanation: Journal archiving could not be started as a severe error has been detected by the storage manager domain. There should have been a previous message on the console indicating what this error was.

System Action: CICS initialization continues.

User Response: Take whatever action has been indicated in the previous message which indicated the source of the error. You will be unable to use journal archiving for this session of CICS. CICS may be short on storage because you have not allocated enough storage for this run of CICS.

Destination: Console and Transient Data Queue CSMT

Module: DFHJAP

XMEOUT Parameters: *date, time, applid*

DFHJC4551 *date time applid* **Open error on DFHJOUT. Archive for *journalno datasetid* not submitted.**

Explanation: DFHJOUT could not be opened. This message is issued for every archive submitted.

System Action: Processing continues.

User Response: Investigate the reason for the open error and correct. Manually submit an archive job for the journal data set *journalno datasetid*.

The most likely cause of this is incorrect or missing job control language (JCL) for DFHJPDS. In this case, there will be an error message from MVS.

As the data set is reopened for each archive, it may be possible to correct this error while CICS is running (for example, if there is a

hardware error). Otherwise, when the problem is resolved, CICS will have to be terminated and then restarted.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4552 *date time applid* **Member y could not be found in DFHJPDS. Archive for journalno datasetid not submitted.**

Explanation: An error occurred while trying to find member y in DFHJPDS.

System Action: Processing continues.

User Response: Investigate and correct the reason for the FIND error. Manually submit an archive job for the journal data set *journalno datasetid*.

The most likely reason for this error is that member y does not exist in the partition data set (PDS) which contains the skeletal JCL for the archive jobs. This may be because the JCT parameter ARCHJCL was coded incorrectly, or it may be because the member was incorrectly named in the DFHJPDS.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, y, journalno, datasetid*

DFHJC4553 *date time applid* **Archive job submitted for journalno datasetid.**

Explanation: An archive job has been submitted for journal dataset *journalno datasetid*.

System Action: The job is sent to the JES queue. CICS continues.

User Response: None.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4554 *date time applid* **JCL error building archive submission job. Archive for journalno datasetid not submitted.**

Explanation: During symbolic substitution, a JCL statement was built that went beyond position 72, but the statement could not be continued. The JCL statement is invalid. CICS has partially built the JCL up to the error condition.

System Action: DFHJASP outputs everything in the JCL which has been done so far to the MVS JES queue.

User Response: Investigate the reason for the overflow condition by looking at the output from the JCL which was sent by CICS. The last statement in this JCL will be the one which caused the invalid overflow. Perhaps a punctuation mark has been omitted in the statement.

Correct the error online. The next time DFHJASP reads the DFHJPDS it will pick up the updated JCL. But you will need to manually submit the archive job for journal data set *journalno datasetid*.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4555 *date time applid* **I/O error on the DFHJPDS. Archive for journalno datasetid not submitted.**

Explanation: During archive submission, an I/O error was encountered on the partition data set (PDS) containing skeletal JCL for the archive jobs.

System Action: Processing continues.

User Response: Investigate the reason for the I/O error. This is probably due to a hardware error.

Manually submit an archive job for the journal data set *journalno datasetid*.

If the problem persists, rerun with trace on to locate the source of the error.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4556 *date time applid* **Error acquiring storage. Archive for journalno datasetid not submitted.**

Explanation: The archive for journal data set *journalno datasetid* cannot be submitted because a severe error has been detected by the storage manager domain. An associated console message should have been issued indicating what this error is.

System Action: Processing continues.

User Response: Take whatever action has been indicated in the previous message then manually submit an archive job for the journal data set *journalno datasetid*. Set the status of the journal data set to READY using the UPDATE function of the DFHJACDU utility. For guidance on using the UPDATE function, see the *CICS/ESA Operations and Utilities Guide*.

Destination: Console and Transient Data Queue CSMT

Module: DFHJASP

XMEOUT Parameters: *date, time, applid, journalno, datasetid*

DFHJC4559 **THERE WAS AN ERROR WHILE OPENING DFHJACD.**

Explanation: The open of the journal archive control data set (JACD) failed.

System Action: The job ends with a condition code of 16.

User Response: A condition code of 16 indicates that this is a serious error. Do not proceed any further without correcting the error. Investigate the reason for the open error. A VSAM message will have been issued with the VSAM return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJACDU

DFHJC4560 **THERE HAS BEEN A PARAMETER ERROR xxxxx**

Explanation: An invalid parameter was passed to DFHJACDU. The insert xxxxx indicates the type of error.

System Action: The job ends with a condition code of 16.

User Response: A condition code of 16 indicates that this is a serious error. Do not proceed any further without correcting the error. Correct the invalid parameter and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJACDU

DFHJC4561 I/O ERROR ACCESSING JOURNAL DATA SET
journalno datasetid. THE VSAM RETURN CODE IS rc

Explanation: An I/O error occurred while accessing the journal data set *journalno datasetid* on the journal archive data set (JACD) with VSAM return code *rc*.

System Action: The job continues.

User Response: Investigate and correct the reason for the I/O error. Look up the meaning of the VSAM return code in the publication relevant to the level of DFP you are working with.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJACDU

DFHJC4562 NO DATA HAS BEEN FOUND FOR JOURNAL DATA SET
journalno datasetid

Explanation: There was no data for the journal data set *journalno datasetid* on the journal archive control data set (JACD). There are three functions for this program: LIST, CHECK and UPDATE.

If the function was LIST, then data was found for journal data set A, but the expected data for journal data set B was not found. There is an error in the JACD.

This could happen if CICS canceled during initialization. If the journal data sets were coded in the JCT with the AUTOARCH option, the problem will automatically be solved at the next CICS initialization. If AUTOARCH is not coded and it is needed, the situation is not a problem and there is no need to investigate further.

If the function was CHECK or UPDATE, there are likely to be two likely sources of the problem. If the user was specifying the journal data set, the problem may simply be user error.

If the job has been submitted by CICS journal archiving, then an error has occurred, probably between job submission and job execution. The journal data set information existed when CICS requested the job to be submitted, but this information has since been destroyed.

This message could also arise if JACD is used in unauthorized ways.

System Action: There are three possible system actions, depending on the circumstances:

CICS may not have this error (for example, if there is a fault in a channel in another CEC). In this case, CICS continues as before.

Or, CICS may not have this error yet (for example, it may have switched journal data sets before encountering the problem). In this case, CICS will continue as before until it meets the error.

Or, CICS may have this error. In this case, automatic archiving may not continue. CICS goes to its fallback position of PAUSE. Various messages from this area of CICS may then be generated.

User Response: Investigate the reason for the missing data and correct. Check that the correct journal data set has been named. Then, either manually run any job step which was dependent on the CHECK. Or, if this was an UPDATE job, since there is probably no further job step dependent on it, there is no need for further action.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJACDU

DFHJC4563 THERE WAS AN ERROR WHILE OPENING DFHJAPRT FILE.

Explanation: An error occurred trying to open DFHJAPRT. This message will probably be accompanied by an appropriate MVS message.

System Action: The job ends with a condition code of 16.

User Response: The condition code of 16 indicates that this is a serious error. Do not proceed any further without correcting the problem. Refer to the accompanying MVS message for further information about the error. Check whether the DD statement is missing.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJACDU

+ **DFHJC4564 date time applid The JACD control interval size is not 512 bytes.**

+ **Explanation:**

+ **APAR PN91266**

This is an OPEN error caused by having a JACD which does not have a control interval size of 512 bytes.

System Action: The journal archive data set (JACD) closes and no journal archiving will be active for this session of CICS. Message DFHJC4535 is issued for any journals with AUTOARCH specified.

CICS initialization continues.

User Response: Redefine the JACD with the correct interval size.

+ **APAR PN91266**

+ **Destination:** Console and Transient Data Queue CSMT

Module: DFHJAP

+ **APAR PN91266**

+ **Note:** This message may also be issued by DFHJACDU to SYSPRINT. In that case, the message is BOOKONLY and therefore cannot be changed with the message editing utility.

+ **XMEOUT Parameters:** *date, time, applid*

DFHJC4565 NO DATA HAS BEEN FOUND FOR JOURNAL(S)
journalno

Explanation: A journal was requested by the user to be listed which was not found in the JACD. There was no data for the journal *journalno* on the journal archive data set (JACD). This message is issued when an error is found in the LIST function.

If the complete JACD was requested for listing, the message will be given for all journals not found. If specific journals from the JACD were requested, the message will be given for any specified journals not found.

System Action: The job continues.

User Response: The reason for the missing data is likely to be a user error. Check the entries that have been created for all journals which use automatic archiving.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJACDU

DFHJC4571 AN ERROR (CODE *X'code'*) HAS OCCURRED IN THE USER EXIT PROGRAM.

Explanation: An error has been detected in the user exit program. The code *code* is the value returned in register 15 from the exit program to DFHJUP. The journal print utility terminates without processing any remaining OPTION cards.

User Response: Correct the error in the user exit program and resubmit the job.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4580 *applid* System Log data set DFHJ01X required but absent. CICS abnormally terminated.

Explanation: During emergency restart, users of IMS/VS databases and disk system logs must supply an extra disk system log data set with ddname DFHJ01X.

System Action: CICS is abnormally terminated. The MVS user abend code is 0115.

User Response: Supply DFHJ01X in CICS startup.

Destination: Console

Module: DFHJCO

XMEOUT Parameter: *applid*

DFHJC4582 *applid* System Log data set DFHJ01X is full. CICS abnormally terminated.

Explanation: The system log disk data set with ddname DFHJ01X, which CICS uses during emergency restart, is full.

System Action: CICS terminates abnormally. The MVS user abend code is 0116.

User Response: Reallocate a larger data set that will be large enough to contain all system log output produced during emergency restart transaction backout processing, then re-run CICS emergency restart.

Destination: Console

Module: DFHJCEOV

XMEOUT Parameter: *applid*

DFHJC4583 *applid* CICS {SYSTEM LOG | JOURNAL *pubschar nn*} {PRIMARY | SECONDARY | EMERGENCY} DATA SET (DDNAME=DFHJ *nnx*) READY TO BE COPIED. REPLY 'Y*nnx*' WHEN COPIED.

Explanation: JOUROPT=PAUSE is specified in the JCT entry for disk journal *nn*. CICS has closed the specified data set of the journal, and you should now copy it (if required, for example, for forward recovery). *applid* is the VTAM APPLID of the CICS system issuing this message. In the requested reply:

- *nn* is the journal number from the message

- *x* is A for a primary data set, B for a secondary data set, and X for an emergency data set.

System Action: CICS will not reuse the specified data set for output until the requested reply is received. If you enter an incorrect reply, CICS issues message DFHJC4586.

If you do not enter a correct reply before CICS attempts to reuse the specified data set for output, CICS issues message DFHJC4584. Tasks using journal *nn* will be delayed until you reply correctly to the original DFHJC4583 message.

For a single data set journal, CICS closes the journal data set when it is full, and issues messages DFHJC4583 and DFHJC4584.

User Response: Copy the disk data set if necessary. Reply 'Y*nnx*' when copy complete (or immediately, if no copy is wanted). For each journal, reply to messages in the order in which they were issued.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCO

DFHJC4584 *applid* AWAITING 'Y*nnx*' REPLY BEFORE SWITCHING TO CICS {SYSTEM LOG | JOURNAL *pubschar nn*} {PRIMARY | SECONDARY | EMERGENCY} DATA SET.

Explanation: Message DFHJC4583 was previously issued for this disk data set. No reply was received. *applid* is the VTAM APPLID of the CICS system issuing this message.

System Action: All tasks using the journal are held up until a 'Y*nnx*' reply is received to message DFHJC4583.

User Response: See user response for DFHJC4583.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCO

DFHJC4585 *applid* CICS System Log {*primary* | *secondary* | *emergency*} data set (DDNAME=DFHJ01*x*) ready to be copied if necessary

Explanation: The specified journal data set has just been closed and should now be copied if required, for example, for forward recovery. No reply is necessary, because DFHJC4585 is only issued during CICS shutdown, when CICS is closing the data set for the last time.

applid is the VTAM APPLID of the CICS system issuing the message.

x is A for a primary data set, B for a secondary data set, and X for an emergency data set.

System Action: None.

User Response: Copy the disk data set if necessary.

Destination: Console

Modules: DFHJCC, DFHJCO

XMEOUT Parameters: *applid*, {1=*primary*, 2=*secondary*, 3=*emergency*}, *x*

DFHJC4586 *applid* CICS {SYSTEM LOG | JOURNAL pubschar nn}
{PRIMARY | SECONDARY | EMERGENCY} DATA
SET IS NOT READY. PLEASE REPLY Ynnx WHEN
READY.

Explanation: You have entered an incorrect reply to message DFHJC4583. See message DFHJC4583 for an explanation of its meaning. Possibly the journal named has just switched from AUTOARCH to PAUSE due to an error on the journal archive control data set (JACD), and this will have been indicated by message DFHJC4536 earlier.

System Action: CICS will not reuse the specified data set until the requested reply is received.

User Response: Reply 'Ynnx' as soon as possible (or immediately, if no copy is to be performed).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHJCO, DFHJCP

DFHJC4587 *date time applid* Unable to invoke Journal exit
DFHXJCO

Explanation: The DFHPC link for the journal exit DFHXJCO has failed.

System Action: The task that issued the request abends with abend code AJCH and a transaction dump is produced. If this error occurs while the system log is being opened during initialization, then initialization cannot be completed and CICS will abend.

User Response: This is probably a setup error. Make sure that DFHXJCO is in the program library.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCO

XMEOUT Parameters: *date, time, applid*

DFHJC4588 *applid* Journal Exit {DFHXJCC | DFHXJCO} has
abnormally terminated with abend code *abcode*.

Explanation: An abend has occurred in the user replaceable module (URM), and there is no HANDLE ABEND command active. If the message text contains DFHXJCO, it has been issued by DFHJCO. If it contains DFHXJCC, it has been issued by DFHJCC. The abend code relates to the abend within the URM.

System Action: The task that issued the request abends and a transaction dump is produced. If this error occurs while the system log is being opened during initialization, initialization cannot be completed and CICS will abend.

User Response: This is probably caused by a programming error within the URM. Use the abend code produced to determine the reason for the error. This could be the result of a condition being raised for which there was no handle command; in which case the default action is taken, to abend the transaction. It is also possible that an invalid EXEC command has been used within the URM. For a list of EXEC commands permissible within the journaling URMs see the *CICS/ESA Customization Guide*.

Destination: Console

Modules: DFHJCC, DFHJCO

XMEOUT Parameters: *applid, {1=DFHXJCC, 2=DFHXJCO}, abcode*

DFHJC4589 *date time applid* Unable to invoke Journal exit
DFHXJCC

Explanation: The DFHPC link for the journal exit has failed.

System Action: The task that issued the request abends with abend code AJCH and a transaction dump is produced. If this error occurs while the system log is being opened during initialization, then initialization cannot be completed and CICS will abend.

User Response: This is probably a setup error. Make sure that DFHXJCC is in the program library.

Destination: Console and Transient Data Queue CSMT

Module: DFHJCC

XMEOUT Parameters: *date, time, applid*

DFHJC4592 *applid* {System Log | Journal nn}. Volume *volser*
yyddd/volume-sequence opened in anticipation on
cuu.

Explanation: The journal is one that uses labeled tapes and two drives. The journal is open for output, and on the non-current drive, journal control has successfully opened the tape volume that is expected to take over at some later time. When the current volume fills or an operator calls for a volume-switch, there will be essentially no delay to tasks using the journal.

The inserts will have the usual formats for journal-related messages.

System Action: Output of journal records continues on the current drive. The new status is recorded by the volume manager and the global catalog.

User Response: None.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCO

XMEOUT Parameters: *applid, {1=System Log, 2=Journal nn, volser, yyddd, volume-sequence, cuu}*

DFHJC4593 *applid* {System Log | Journal nn}. Output
yyddd/volume-sequence now being directed to
volume *volser* on *cuu*.

Explanation: The journal is one that uses labeled tapes and two drives. The journal is open for output, and has successfully switched to the drive that was opened in advance (and notified then by message DFHJC4592).

System Action: Output of journal records continues on the drive stated, which has been made current. The new status is recorded by the volume manager and the global catalog.

User Response: Be aware that the tape now contains significant records.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCO

XMEOUT Parameters: *applid, {1=System Log, 2=Journal nn, yyddd, volume-sequence, volser, cuu}*

DFHJC4594 *applid {System Log | Journal nn}. Anticipatory Open of volume volser failed on cuu. Current volume is on cuu.*

Explanation: The journal is one that uses labeled tapes and two drives. It is open for output, and on the non-current drive, journal control has failed to open the tape volume that it expected to take over at some later time. The failure may arise from a fault in the hardware, a defect on the tape, or from the operator's actions, (for example, this may occur if the operator fails to put the WRITE ring on the tape before loading it).

System Action: Output of journal records continues on the current drive. A status is recorded by the volume manager and the global catalog, showing the tape volume as "Failed to OPEN". If the current tape fills or a switch is forced at some later time, journaling will re-select and again attempt to open an output tape.

User Response: Must depend on the configuration and other circumstances. Some possible courses are:

- If the fault is known to be on the tape, dismount it and have ready the tape that the volume manager expects next after it.
- If the fault is in the tape drive, vary the unit off-line, and issue a CEMT SET VOLUME(..) OK command. This ensures that the volume can be picked up again normally, when the subsequent OPEN causes the operating system to select another drive.
- If the CICS run is expected to terminate before the current tape can fill, no immediate action is necessary but any hardware faults should be remedied before the next run.

Destination: Console Routecodes 2, 3 and 11

Module: DFHJCO

XMEOUT Parameters: *applid, {1=System Log, 2=Journal nn, volser, cuu, cuu}*

DFHJC4596 JOURNAL DATA SET NOT INITIALIZED - I/O ERROR OCCURRED.

Explanation: The journal data set is not initialized. An I/O error has occurred.

System Action: Execution of utility program DFHJCJFP is abnormally terminated with a dump. The MVS user abend code is 0117.

User Response: If the error recurs immediately, inform the person(s) responsible for debugging system errors of the condition, and give the dump(s) to that person.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCJFP

DFHJC4597 JOURNAL DATA SET NOT INITIALIZED - UNABLE TO OPEN DCB. CHECK DD-CARD SUPPLIED.

Explanation: The journal data set is not initialized. Unable to open data control block (DCB).

System Action: Execution of the utility program DFHJCJFP terminates abnormally. The MVS user abend code is 0180.

User Response: Ensure that a data definition (DD) statement is supplied and is correct, then rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCJFP

DFHJC4598 JOURNAL DATA SET NOT INITIALIZED - INSUFFICIENT SPACE HAS BEEN ALLOCATED.

Explanation: The journal data set has not initialized. The formatting utility program DFHJCJFP has found that the allocated space in the data set control block (DCB) is inadequate for CICS journaling requirements.

System Action: Execution of the utility program DFHJCJFP terminates abnormally with a completion code of 16.

User Response: The condition code of 16 indicates that this is a serious error. Do not proceed any further without correcting it.

Increase the size specified on the SPACE parameter of the DD statement of the JCL for the job in which the journal data set is to be defined. The minimum size required is 4 tracks, which must be contiguous. For more information about determining the necessary size of the SPACE parameter, and how to increase it, refer to the *CICS/ESA System Definition Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCJFP

DFHJC4599 JOURNAL DATA SET INITIALIZED - nnnn TRACKS AVAILABLE

Explanation: The CICS journal formatting utility program issues this informatory message, indicating that the specified number of tracks are correctly preformatted for use as a CICS disk journal output data set.

System Action: The utility continues processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHJCJFP

DFHJC5610 *date time applid DFHJCP SMF problem n*

Explanation: JCP has called DFHASV to issue the SMFEWTM macro. The return code is *n*, with the following meanings:

Code	Meaning
1	SMF record larger than 32KB.
2	Record is not a CICS record.
3	A page fix or page free cannot be performed probably because the CICS SVC is disabled.
5	Insufficient storage. There was insufficient storage to fulfil a write to SMF.

For other return codes, see the *MVS/ESA System Programming Library: System Management Facilities (SMF) manual*.

System Action: The request is ignored. CICS continues.

User Response: Notify the system programmer. The user has indicated with JCT that the journal is to go to the SMF file (JCT JTYPE=SMF). This is only supported in DFHASV, and the JCT must be assembled on MVS.

Destination: CSMT

Module: DFHJCP

XMEOUT Parameters: *date, time, applid, n*

DFHJC6100

DFHJC6100 FORMAT TAPE.

Explanation: Execution of the tape-formatting program (DFHFTAP) has started.

System Action: The program continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHFTAP

DFHJC6101 UNABLE TO OPEN MESSAGE DATASET.

Explanation: The SYSOUT message data set could not be opened, possibly because no data definition (DD) statement was supplied.

System Action: Execution of the program DFHFTAP is abnormally terminated.

User Response: Supply the proper data definition (DD) statement and rerun the program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFTAP

DFHJC6102 UNABLE TO ALLOCATE WORKING STORAGE. DFHFTAP TERMINATES ABNORMALLY.

Explanation: Storage was not available for this program.

System Action: Program execution is abnormally terminated.

User Response: Increase the region size and rerun.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHFTAP

DFHJC6103 UNABLE TO OPEN LOG VOLUME. DFHFTAP TERMINATES ABNORMALLY.

Explanation: The operator log data set could not be opened, possibly because no data definition (DD) statement was supplied.

System Action: Program execution is abnormally terminated.

User Response: Supply the proper data definition (DD) statement and rerun the program.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHFTAP

DFHJC6104I DISCONTINUED PROCESSING ON LOG VOLUME DUE TO xxxxxxxx ERROR, PROGRAM PROCEEDING TO NEXT VOLUME.

Explanation: An error occurred on initialization of a log volume, which caused the volume to be rejected. This message is followed by message DFHJC6110.

System Action: Message DFHJC6110 is issued asking if more log volumes are to be formatted.

User Response: Look for any accompanying access method messages to determine the cause of the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFTAP

DFHJC6105 UNRECOVERABLE I/O ERROR OCCURRED. DFHFTAP TERMINATES ABNORMALLY.

Explanation: A hardware error occurred on an I/O device but recovery was not possible.

System Action: Program execution is abnormally terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHFTAP

DFHJC6107I LOG VOLUME FORMATTED.

Explanation: The log volume has been formatted successfully.

System Action: The volume is closed and message DFHJC6110 is issued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFTAP

DFHJC6110D MORE VOLUMES TO BE FORMATTED. REPLY 'Y', 'N' or 'VOLUME SERIAL NUMBER'.

Explanation: This message is issued after message DFHJC6107I, and asks if more log volumes are to be formatted.

System Action: If the reply is Y, the next log volume is opened. If the reply is N, the program is terminated.

User Response: Reply 'Y' if more log volumes are to be formatted, otherwise reply 'N'. For labeled tapes, the reply may be the next volume serial number.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFTAP

DFHJC6111 INVALID REPLY x

Explanation: The response to message DFHJC6110 was neither Y or N. The response was x.

System Action: Message DFHJC6110 is reissued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFTAP

DFHJC6199 *nnnn* VOLUME(S) FORMATTED - FORMAT TAPE ENDED.

Explanation: This message is issued at the end of the job. *nnnn* is the number of volumes that were formatted.

System Action: The program is terminated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHFTAP

DFHKCxxxx messages**DFHKC0102** *date time applid terminal userid tranid* PFT entry for *profname* has been added.

Explanation: This is an audit log message indicating that profile entry *profname* has been added to the PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0104 *date time applid terminal userid tranid* PFT entry for *profname* has been deleted.

Explanation: This is an audit log message indicating that profile entry *profname* has been deleted from the CICS profile table (PFT) using the DISCARD command.

terminal is the netname or termid of the terminal at which the DISCARD command was entered.

userid is the user identifier of the operator performing the DISCARD command.

tranid is the transaction used to perform the DISCARD command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0106 *date time applid terminal userid tranid* PFT entry for *profname* has been replaced.

Explanation: This is an audit log message indicating that profile entry *profname* has been replaced in the CICS profile table PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0301 *applid* Program DFHKCRP cannot be found.

Explanation: The transaction manager recovery program is not available. CICS cannot find DFHKCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHKCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHKCQ

XMEOUT Parameter: *applid*

DFHKC0302 *applid* Transaction Manager restart failed. Reason - *rc*.

Explanation: During transaction manager initialization, CICS executes the following steps in the order in which they are listed:-

- 1 Building the Program Control Table Directory
- 3 Purging transaction definitions from the RSD catalog, using DFHCCP. (**COLD** start after a previous run.)
- 4 Purging transaction definitions from the recovery file, using DFHRCP. (**COLD** start after a run that used the system log.)
- 5 Restoring transaction definitions from the RSD catalog, using DFHCCP. (**WARM** or **EMERGENCY** restart.)
- 6 Recovering transaction definitions from the recovery file, using DFHRCP. (**EMERGENCY** restart.)
- 8 Purging profile definitions from the RSD catalog, using DFHCCP. (**COLD** start after a previous run.)
- 9 Purges profile definitions from the recovery file, using DFHRCP. (**COLD** start after a run that used the system log.)
- 10 Restoring profile definitions from the catalog, using DFHCCP. (**WARM** or **EMERGENCY** restart.)
- 11 Recovering profile definitions from the recovery file, using DFHRCP. (**EMERGENCY** restart.)

The transaction manager restart has failed for reason *rc*, where *rc* indicates the job step that did not complete successfully. Subsequent steps have not been attempted.

System Action: CICS terminates the task under which DFHKCRP is running with an AKCB abend code, and issues message DFHSI1521.

User Response: Examine the trace in the CICS AKCB transaction dump to see the history of the task that DFHKCRP is running under for further information regarding the precise cause of the failure.

Destination: Console

Module: DFHKCRP

XMEOUT Parameters: *applid, rc*

DFHKC0308I *applid* ERROR OCCURRED IN SRB MODE.

Explanation: An error such as a program check was detected by the operating system during the execution of a unit of work scheduled by means of a service request block (SRB). The SRB was scheduled, directly or indirectly, by CICS in order to issue a VTAM authorized path request.

A message could not be issued because the error was detected when running under an SRB.

Diagnostics: The error is handled by a functional recovery routine (FRR) in DFHKCSP. This FRR saves the system diagnostic work area (SDWA) if one was provided, and issues a CALLRTM to terminate the CICS TCB with user abend code 0308.

This, in turn, causes the ESTAE exit established by DFHKESTX to be taken, resulting in the storing of the CICS TCB status and provision of a dump as for abends occurring during execution under the CICS TCB.

The SDWA saved by DFHKCSP may be located in the dump by:

Finding the module itself (look for characters 'DFHKCSP').

Finding the save area (look for characters 'SRB SDWA SAVE AREA'); the SDWA follows this character string.

Analysis: The SDWA, located as described above, is a standard MVS SDWA. The principal contents of the SDWA are:

SDWAGRSV General registers 0 through 15

SDWAEC1 Program status word (PSW) at the time of the interrupt.

In general, registers 12 and 13 will not address a TCA or the CSA.

The registers and PSW recorded in DFHKESTX represent the state of the CICS TCB when CICS was terminated by the FRR.

Normally this information is not relevant to the cause of the failure, but may give clues to the environment in which the SRB was running.

System Action: CICS is terminated with user abend code U0308. The system diagnostic work area (SDWA) presented at the time of error is copied into module DFHKCSP. DFHKCSP resides in protected storage and can be printed from an MVS region dump.

User Response: Locate the SDWA, situated in DFHKCSP after the characters "SRB SDWA WORK AREA." This contains the PSW and registers at the time of the error.

If the address in SDWAEC1 is in CICS code, examine the code to determine the expected register contents at this point. If this does not suggest any obvious local problem, look for a pointer to the RPL associated with the SRB mode execution. This will indicate the location of the MVS save area.

If the address in SDWAEC1 is not in CICS code (that is in MVS), try using the contents of register 13 to trace back through the save areas to the one provided by CICS. The contents of this save area will show the point of call in CICS (in DFHZHPRX), and the

arguments passed to the access method, in particular the address of the RPL (register 1). Failure in an access method may be due to an incorrect RPL. Therefore check the ACB address, entry point, and I/O area address.

Note: When CICS is executing in SRB mode, it is not possible for the message to be issued. However, user abend code 308 is generated and should appear in message DFHSR0606.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKCSP

DFHKExxxx messages

DFHKE0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in *MVS/ESA System Codes*.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHKE0002 *applid* A severe error (code *X'code*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, see the *CICS/ESA Problem Determination Guide*.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code *X'code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEGD, DFHKEIN

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHKE0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: *applid*, *X'offset'*, *modname*

DFHKE0005 *applid* A hardware error has occurred (module *modname*, code *X'code*). The Time-of-Day clock is invalid.

Explanation: A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS. This is probably a hardware error and you should first investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETI

DFHKE0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscod.**

Explanation: An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscod* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code *code* in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHKEIN

XMEOUT Parameters: *applid*, X'code', *modname*, *mvscod*

DFHKE0101 *applid* **DFHSIP IS NOT APF-AUTHORIZED. CICS WILL TERMINATE.**

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate. The CICS job step terminates with return code 12.

User Response: All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHKE0102 *applid* **UNSUCCESSFUL PRE-INITIALIZATION OF domain DOMAIN. CICS WILL TERMINATE.**

Explanation: A domain has failed to pre-initialize and as a result the system will terminate.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

Since this problem has occurred so early in CICS initialization,

possible causes include a severe lack of storage or corruption of the local catalog.

System Action: CICS terminates.

User Response: Inform the system programmer. Investigate this problem using the exception trace which is issued by the failing domain.

You may need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETCB.

DFHKE0103 *applid* **IDENTIFY FAILED IN MODULE modname. MVS CODE mvscod. CICS WILL TERMINATE.**

Explanation: The kernel has issued an MVS IDENTIFY which has failed.

The code *mvscod* is the MVS IDENTIFY return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates. The CICS job step terminates with return code 12.

User Response: Inform the system programmer.

To resolve the problem, use the MVS IDENTIFY return code *mvscod* and the *MVS/XA Supervisor Services and Macro Instructions* manual, (GC28-1154), to determine why the IDENTIFY failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETCB.

DFHKE0104 *applid* **CICS HAS BEEN SUPPLIED WITH INCORRECT SVC NUMBER svcno.**

Explanation: CICS has validated the SVC number *svcno*, but it does not correspond to the correct CICS Type 3 SVC for this release of CICS. CICS cannot function without the correct CICS SVC.

The SVC number *svcno* has been specified in the SIT, or as an override, by the CICSVC= parameter.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter has been specified.

- If PARMERR=ABEND, CICS is terminated with a system dump.
- If PARMERR=IGNORE, CICS is terminated with a system dump.
- If PARMERR=INTERACT, the operator is prompted to enter another SVC number, or to bypass entry. If the operator bypasses entry, CICS is terminated with a system dump.

User Response: The CICS Type 3 SVC is defined to MVS in SYS1.PARMLIB member IEASVCxx. SVC *svcno* must be defined as a Type 3 SVC with an entry point equal to the entry point name

specified when the SVC module was installed into SYS1.LPALIB. Ensure that this is the case.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEGD.

DFHKE0201 *applid* **ABOUT TO TAKE SDUMP. DUMPCODE:**
dumptime, DUMPID: dumpid. (MODULE modname).

Explanation: An error during pre-initialization or termination, possibly signalled by a previous message, has caused the kernel domain to take a dump, which will issue this message immediately before calling the MVS SDUMP facility.

The dump code *dumptime* is the 8-character dump code 'KERNDUMP'.

The dumpid *dumpid* is the string '0/0000'.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: When the dump is complete, message number DFHKE0202 is issued.

User Response: Inform the system programmer. See the associated dump and error messages for further guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0202 *applid* **SDUMP COMPLETE. (MODULE modname).**

Explanation: This message is issued on successful completion of an SDUMP.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate.

User Response: Print off the system dump if required. A previous MVS message will identify in which SYS1.DUMP data set this dump can be found.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0208 *applid* **SDUMP BUSY - CICS WILL RETRY IN FIVE SECONDS. (MODULE modname).**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the DURETRY parameter on the SIT means that CICS waits for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMERM macro which causes CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS delays and retries every

five seconds for a total time equal to the number of seconds specified on the DURETRY system initialization parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0209 *applid* **RETRYING SDUMP. (MODULE modname).**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHKE0208) and is now reissuing the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0210 *applid* **SDUMP REQUEST FAILED. (MODULE modname) - reason.**

Explanation: An MVS SDUMP request from CICS signalled by message DFHKE0201 has failed to complete successfully. The possible reasons *reason* for the failure are detailed below.

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP

The SYS1.DUMP data set to which the dump was written was not large enough to contain all of the dumped storage.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY

At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request.

If a nonzero value has been specified for the DURETRY parameter, CICS will have retried the SDUMP request every five seconds for the specified period. This message is issued if SDUMP is still busy after the final retry.

SDUMP RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE

No data set is available for the SDUMP request.

SDUMP RETURN CODE X'nn' REASON X'mm'

MVS rejected the SDUMP request for some other reason than those listed above. X'nn' gives the hexadecimal SDUMP return code and X'mm' gives the hexadecimal SDUMP reason.

NOT AUTHORIZED IN CICS

SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE

CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMP request. The GETMAIN was rejected by MVS.

STIMERM FAILED

In order to delay for five seconds before retrying SDUMP after an SDUMP busy condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

DFHDUSVC FESTAE FAILED

CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMP request. The FESTAE has been rejected by MVS.

DFHDUSVC FUNCTION INVALID

CICS called DFHDUSVC during the processing of the SDUMP request. The function passed to DFHDUSVC was invalid.

During initialization, CICS does not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason for the failure. For:

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP

Examine the reason code that explains why the partial dump was taken. This code is contained in the MVS message IEA911E. See the *MVS/ESA System Messages Volume 1* for a description of this reason code.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY

Cause the SDUMP to be reissued by increasing the DURETRY value on the SIT. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

SDUMP RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE

Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

SDUMP RETURN CODE X'nn' REASON X'mm'

No action is required if the dump was suppressed deliberately. If the dump failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

NOT AUTHORIZED IN CICS

This reason should not appear, because an SDUMP is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (Authorized Function Control Block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE

Ensure sufficient storage is available to MVS for subpool 253 requests.

STIMERM FAILED

Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

DFHDUSVC FESTAE FAILED

Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP to be reissued. See the *MVS/ESA Application Development Reference: Services for Authorized Assembler Language Programs* for an explanation of the FESTAE macro.

DFHDUSVC FUNCTION INVALID

The CICS DAFPB (dump authorized function parameter block) has probably been accidentally overwritten.

Notify the system programmer. If CICS is still running, it will be necessary to decide whether to terminate CICS.

You may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

To resolve the problem, collect any dumps and any relevant messages and contact your IBM Support Center.

Further guidance on how to prepare information for IBM support is given in the *CICS/ESA Problem Determination Guide*. If you are not familiar with this process, refer to the guide before contacting IBM support.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0301 *applid* Insufficient storage to satisfy Getmain in module *modname*. MVS code *mvscode*.

Explanation: The kernel (KE) domain has issued an MVS GETMAIN for kernel stack storage, but there was insufficient storage available to satisfy the request.

The code *mvscode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel stack storage.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book. Also look at the kernel domain section of the system dump to see how the kernel stack storage has been used up.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESGM

DFHKE0302 *applid* Freemain of stack storage failed in module *modname*. MVS code *mvscode*.

Explanation: The kernel (KE) domain has issued an MVS FREEMAIN for kernel stack storage, but a bad return code was returned.

The code *mvscode* is the MVS FREEMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel linkage.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the *MVS/ESA System Codes* manual.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module:

- + **APAR PN88760**
- + Module changed from DFHKESFM to DFHKEDS.
- + DFHKEDS

DFHKE0303 *applid* **A RECURSIVE ABEND HAS BEEN DETECTED BY THE KERNEL DOMAIN.**

Explanation: The kernel (KE) domain has detected that the current task is recursively abending while attempting to recover from an abend.

System Action: CICS terminates abnormally with a system dump. No exception entry is written to the trace table because the trace (TR) domain may be the cause of the loop.

User Response: Use the dump provided to investigate the kernel error table to diagnose the earlier abends for the failing task.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKERRI

-
- + **DFHKE0401** *applid* **CICS REGISTER CALL TO AUTOMATIC**
 - + **RESTART MANAGER FAILED (RETURN CODES**
 - + ***X'resp', X'reason'*).**
 - + **Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed
 - + The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.
 - + **System Action:** A system dump is taken. CICS continues but cannot subsequently be restarted by ARM.
 - + **User Response:** It is necessary to decide whether to terminate CICS.
 - + For problem diagnosis look up the return codes from the IXCARD macro in the *MVS/ESA Sysplex Services Reference* manual.
 - + Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.
 - + **Note:** This message cannot be changed with the message editing utility.
 - + **Destination:** Console
 - + **Module:** DFHKEAR

-
- + **DFHKE0402** *applid* **CICS DEREGISTER CALL TO AUTOMATIC**
 - + **RESTART MANAGER FAILED (RETURN CODES**
 - + ***X'resp', X'reason'*).**

Explanation: An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed

+ The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: If the request failed during startup, a dump is taken and CICS continues. If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

+ **User Response:** For problem diagnosis look up the return codes from the IXCARD macro in the *MVS/ESA Sysplex Services Reference* manual. Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

-
- + **DFHKE0403** *applid* **CICS WAITPRED call to automatic restart**
 - + **manager failed (return codes *X'resp', X'reason'*).**

+ **Explanation:** CICS has issued an IXCARD REQUEST=WAITPRED macro that has failed. CICS issues this request to ensure that other ARM elements at LEVEL 1 (such as DB2 and DBCTL, with which CICS needs to resynchronize for recovery purposes in an emergency restart) are ready before CICS signals that it is ready to accept work. When the request is successful, CICS remains in a wait state until the LEVEL 1 predecessor elements signal to ARM that they are ready. MVS resumes CICS when all its LEVEL 1 predecessor elements signal they are ready. An element of the automatic restart manager that must become ready before another is known as a predecessor element. You can control the sequence of restarting elements and their predecessors through the assignment of elements to a specific level in the automatic restart management policy. CICS is generally assigned to LEVEL 2. For information about ARM restart processing, see the *MVS/ESA Programming Sysplex Services Guide* (GC28-1495-00). The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

+ CICS initialization continues unless you have specified in the dump table that CICS should terminate. The failure of the WAITPRED request may result in other subsystems not being ready when CICS needs them when initialization completes.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

- + For problem diagnosis look up the return codes from the IXCARD macro in the *MVS/ESA Sysplex Services Reference* manual.
- + Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

DFHKE0404

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

-
- + **DFHKE0404** *applid* CICS READY call to automatic restart manager failed (return codes *X'resp', X'reason'*).
- + **Explanation:** CICS has issued an IXCARM REQUEST=READY macro that has failed. CICS issues the READY request shortly before the end of its initialization to notify ARM that it is now ready to process work. This enables ARM to resume any other elements that may have issued a WAITPRED request to wait on LEVEL 2 predecessor elements (such as CICS). An element of the automatic restart manager that must become ready before another is known as a predecessor element. You can control the sequence of restarting elements and their predecessors through the assignment of elements to a specific level in the automatic restart management policy. CICS is generally assigned to LEVEL 2.
- + For information about ARM restart processing, see the *MVS/ESA Programming Sysplex Services Guide*. The codes *resp, reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. Other subsystems which are waiting for CICS are not be informed that CICS is ready for work and continue to wait until timed out.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

- + For problem diagnosis look up the return codes from the IXCARM macro in the *MVS/ESA Sysplex Services Reference* manual.
- + Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

-
- + **DFHKE0405** *applid* CICS WAITPRED call to automatic restart manager timed out (return codes *X'resp', X'reason'*).
- + **Explanation:** A WAITPRED request against the MVS automatic restart manager (ARM) timed out.
- + The codes *resp, reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The WAITPRED request time out may result in other subsystems not being available when CICS initialization completes.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

- + For problem diagnosis look up the return codes from the IXCARM macro in the *MVS/ESA Sysplex Services Reference* manual.
- + Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

-
- + **DFHKE0406I** *applid* CICS is about to wait for predecessors in its automatic restart manager policy.
- + **Explanation:** CICS is about to invoke a WAITPRED request against the automatic restart manager. This may result in a delay before CICS processing continues.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHKEAR

XMEOUT Parameter: *applid*

-
- + **DFHKE0407** *applid* XRF IS INCOMPATIBLE WITH AUTOMATIC RESTART MANAGER. CICS IS TERMINATING.
- + **Explanation:** CICS has registered with the MVS automatic restart manager (ARM) after having been restarted but the restart JCL specifies XRF=YES. XRF is incompatible with ARM.

System Action: CICS terminates.

User Response: Ensure that the XRF=YES option in the restart JCL is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0408D *applid* PLEASE SPECIFY START TYPE, 'COLD' OR 'AUTO'.

- + **Explanation:** CICS has issued an IXCARM REQUEST=REGISTER macro, which has failed and a cold start has been specified in the SIT.

When the CICS region is starting or restarting with JCL that specifies START=COLD, CICS relies on ARM to determine whether this is a restart with persistent JCL. If it is, CICS overrides the START=COLD and forces START= AUTO to cause the emergency restart. Because the REQUEST=REGISTER macro has failed, CICS cannot determine whether the region is being restarted by ARM. With START=COLD specified, CICS requests operator intervention because to continue with a cold start could jeopardize data integrity.

System Action: CICS waits until the operator supplies the START type to be used by this region.

- + **User Response:** If the region is being restarted by ARM, specify AUTO. If this is the first time the region has been started, specify COLD.

See the previously issued message DFHKE0401 for guidance on dealing with the underlying REGISTER failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 1 and 11

Module: DFHKEAR

DFHKE0409 *applid* CICS REGISTER CALL TO AUTOMATIC
RESTART MANAGER FAILED BECAUSE COUPLE
DATA SET IS NOT DEFINED.

+ **Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the system does not have access to an ARM couple data set.

+ **System Action:** CICS continues, but cannot subsequently be restarted by ARM.

+ **User Response:** No action is required if you do not want to use ARM.

+ If you do want to make this system eligible for restart by ARM, further information can be found in the *MVS/ESA Setting Up a Sysplex* manual.

+ **Note:** This message cannot be changed with the message editing utility.

+ **Destination:** Console

+ **Module:** DFHKEAR

DFHKE0410 *applid* CICS REGISTER CALL TO AUTOMATIC
RESTART MANAGER FAILED BECAUSE JOB TYPE
IS INVALID.

+ **Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the job type is invalid to ARM. CICS can only register with ARM if it is being run as a started task or a batch job.

+ **System Action:** CICS continues, but cannot subsequently be restarted by ARM.

+ **User Response:** None.

+ **Note:** This message cannot be changed with the message editing utility.

+ **Destination:** Console

+ **Module:** DFHKEAR

DFHKE0410 *applid* CICS REGISTER CALL TO AUTOMATIC
RESTART MANAGER FAILED BECAUSE MAXIMUM
NUMBER OF USERS WAS REACHED.

+ **Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the maximum number of ARM users allowed for in the ARM couple data set was reached. This response is never given by ARM if ARM is restarting CICS.

+ **System Action:** CICS continues, but cannot subsequently be restarted by ARM.

+ **User Response:** None.

+ **Note:** This message cannot be changed with the message editing utility.

+ **Destination:** Console

+ **Module:** DFHKEAR

DFHKE0999 *applid* MVS HAS CALLED DFHKESTX WITH NO
SDWA. ABEND CODE X'code'.

Explanation: MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, but it supplied no system diagnostic work area (SDWA). DFHKESTX is unable to continue with the recovery.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Module DFHKESTX produces a system dump and percolates the error to the next ESTAE routine. This is potentially a serious error. CICS continues processing pending the result of the error percolation.

User Response: The abend code X'code' is the reason the CICS ESTAE was called. You need to find out which product has produced the abend. Typically it is an MVS system completion code, for example D37. However the abend may have been issued by CICS, for example abend 1596, or another product such as IMS.

Since there is little further diagnostic information in this case, look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

The reason why no SDWA was passed and subsequently no recovery was attempted is probably a shortage of storage. This storage shortage may also be an influencing factor in the abend itself.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESTX

DFHKE1799 *applid* TERMINATION OF CICS/ESA IS COMPLETE.

Explanation: This message is issued when CICS has terminated.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Control is given back to the operating system.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEIP

DFHKE1800 *applid* ABNORMAL TERMINATION OF CICS/ESA IS
COMPLETE.

Explanation: CICS issues this message when it terminates abnormally.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The abnormal termination of CICS continues. The kernel returns control to the operating system by issuing a user 1800 abend.

The original error which caused the abnormal termination may also have produced a dump. No specific dump is produced to accompany this message.

DFHLDxxxx

User Response: If a dump is produced, check the dump to determine the cause of the error. Use the *CICS/ESA Problem Determination Guide* to assist you to determine the problem.

If no dump is produced, check for other CICS and MVS messages and abend codes to help you to determine the cause of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHLDxxxx messages

DFHLD0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset *X'offset'* in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDL, DFHLDL1, DFHLDL2, DFHLDL3, DFHLDN, DFHLDS

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHLD0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: The loader has received an unexpected error response from some other part of CICS or an operating system service. The operation requested by the loader is described by code *X'code'*.

For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDL, DFHLDL1, DFHLDL2, DFHLDL3, DFHLDN, DFHLDS

XMEOUT Parameters: *applid, X'code', modname*

DFHLD0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: CICS has detected what it believes to be a code execution loop. At the time execution was interrupted, the program status word (PSW) indicated the next instruction address would have been at offset *X'offset'* in module *modname*.

System Action: CICS is terminated with a system dump unless dump table options specifically prevent this.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the existence of a previous error situation which may have led to corruption of CICS control blocks or to the non-completion of an expected event. If there is no evidence of a previous error, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDL, DFHLDL1, DFHLDL2, DFHLDL3, DFHLDN, DFHLDS

XMEOUT Parameters: *applid, X'offset', modname*

DFHLD0101 *applid* CICS nucleus module *modname* not found.

Explanation: The CICS loader (LD) was unable to locate a copy of module *modname* in either the link pack area (LPA) in or the DFHRPL library concatenation.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

User Response: This message is followed by one or more messages informing the user of reduced function availability due to the missing module *modname*.

Ensure that there is a copy of module *modname* in the LPA and/or in a library within the DFHRPL concatenation.

If module was expected to be in the LPA, ensure CICS is utilizing LPA resident modules by specifying LPA=YES as a start up override.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: *applid, modname*

DFHLD0102 *applid* Unable to declare gate *ff* for module *modname*.

Explanation: As part of its initialization, the CICS loader has attempted to define domain gate *ff* for module *modname*, but has received a bad response.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message diagnoses an internal error within CICS. Investigate whether previous errors have left CICS in a damaged state. If there is no evidence of previous serious errors,

you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: *applid, ff, modname*

DFHLD0103I *applid* Module Storage Compression OFF. All modules are USAGE=TRANSIENT.

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its dynamic program storage compression facility.

System Action: CICS execution continues but all nonresident application programs are treated as if they had been defined with the USAGE=TRANSIENT option. Therefore they are removed from storage the moment their use count reaches zero.

For some functions, this can lead to a performance degradation as programs may be loaded many times during the life of a transaction instead of only once.

User Response: Investigate the reasons for the previous problem concerning module DFHLDNT as diagnosed by either message DFHLD0101 or DFHLD0102.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0104I *applid* Module Statistics are not being collected.

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its statistics collection module.

System Action: CICS execution continues but no module statistics will be collected.

User Response: Investigate the reasons for the previous problem concerning module DFHLDST as diagnosed by either message DFHLD0101 or DFHLD0102.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0105 *applid* Restart of Loader Option Block (LOB) failed. System defaults in use.

Explanation: The initialization of the CICS loader has detected one or more invalid parameters in the loader option block (LOB) recovered from the local catalog.

This may indicate that corruption of the local catalog has occurred.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the possibility of corruption of the local catalog. If you suspect that the local catalog is corrupt, reinitialize it and resubmit the CICS job.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0106 *applid* Bad response *X'resp'* returned on an OPEN of DFHRPL.

Explanation: The CICS loader has attempted to open the DFHRPL library concatenation during initialization and has received the response code *resp*.

System Action: CICS execution continues although only link pack area (LPA) resident modules are accessible.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure the DFHRPL concatenation is correctly specified in the JCL and that the libraries specified in it are operational. The response code returned may be interpreted as for a BSAM open request.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: *applid, X'resp'*

DFHLD0107I *applid modname1* is unable to locate module *modname2* in the LPA. DFHRPL version of module will be used.

Explanation: The user has specified the system initialization parameter LPA=YES. Module *modname2* is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find *module2* in the link pack area (LPA).

System Action: CICS execution continues with an attempt to locate module *modname2* in the CICS program library DFHRPL.

User Response: Carry out one of the following:

- Load module *modname2* into the LPA, if this is required and the module is LPA eligible (refer to the *CICS/ESA Installation Guide* for LPA eligibility of CICS modules).
- Code PRVMOD=*modname2* as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the *CICS/ESA Installation Guide*.

Destination: Console Routecode 11

Modules: DFHLDDMI, DFHLDLD1

XMEOUT Parameters: *applid, modname1, modname2*

DFHLD0108I *applid* The maximum of 32767 entries that CICS allows on a BLDL has been exceeded.

Explanation: During a warm or emergency restart, the loader domain has detected more than 32767 modules eligible for BLDL.

System Action: A BLDL macro call is issued to locate the first 32767 modules and the rest are ignored. CICS initialization continues normally.

This is not a problem because CICS attempts to locate those modules not located during initialization when the module is first used.

User Response: None.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0201 *applid* **Corrupt Loader** *load* structure detected at *X'address'*. **Module marked as unavailable.**

Explanation: During the execution of a CICS loader request, the loader detected an invalid field in the control block type *tttt* at storage address *address*.

System Action: A system dump is taken and execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the possibility of corruption of CICS modules or control blocks or the local or global catalogs.

Destination: Console

Module: DFHLDL1

XMEOUT Parameters: *applid, load, X'address'*

DFHLD0202 *applid* **Loader SVC** *svc* request failed due to shortage of free storage in the region.

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to a lack of free storage in the MVS region. The type of request is indicated by *svc*.

System Action: A system dump will be taken unless specifically suppressed through a dump table entry and the system will continue execution. The task requesting loader services will be abnormally terminated with abend code APCT, or a PGMIDERR condition will be raised.

User Response: Ensure there is adequate free storage in the MVS region by balancing the overall size limits of the DSAs or EDSAs with the size of the MVS region specified by the REGION parameter on the job card of the CICS job JCL.

Destination: Console

Module: DFHLDL1

XMEOUT Parameters: *applid, svc*

DFHLD0203 *applid* **Loader SVC** *svc* request failed due to I/O errors on library DFHRPL.

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to I/O errors on the relocatable library, DFHRPL. The type of request is indicated by *svc*.

System Action: A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition is raised.

User Response: Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partition data set (PDS) within the DFHRPL concatenation.

Destination: Console

Module: DFHLDL1

XMEOUT Parameters: *applid, svc*

DFHLD0204 *applid* **Bad Loader PDB for module** *modname* recovered from the {*Local* | *Global*} catalog. **Corruption suspected.**

Explanation: The loader definition record, PDB, for module *modname* has been read from either the local (DFHLCD) or the global (DFHGCD) catalog during startup and has been found to contain invalid data.

System Action: System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the module definition is ignored.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Destination: Console

Modules: DFHLDDMI, DFHLDL1

XMEOUT Parameters: *applid, modname, {1=Local, 2=Global}*

DFHLMxxxx messages

DFHLM0001 *applid* **An abend (code** *abcode*) **has occurred at** offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *abcode* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If there is an MVS code, look it up in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMMDM, DFHLMDS, DFHLMIQ, DFHMLMLM

XMEOUT Parameters: *applid, abcode, X'offset', modname*

DFHLM0002 *applid* **A severe error (code X'code') has occurred in module modname.**

Explanation: An error has been detected in module *modname*. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMMDM, DFHLMDS, DFHLMIQ, DFHMLMLM

XMEOUT Parameters: *applid, X'code', modname*

DFHLM0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMMDM, DFHLMDS, DFHLMIQ, DFHMLMLM

XMEOUT Parameters: *applid, X'offset', modname*

DFHLM0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16M line.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS/ESA System Definition*

DFHMCxxxx

Guide or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHLMMDM, DFHLMDS, DFHLMIQ, DFHMLML

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHMCxxxx messages

DFHMC4000 CICS SYNAD EXIT TAKEN FOR *dscname*, INPUT MSG TRUNCATED.

Explanation: This message is issued when the SYNAD exit is taken for an input queue. *dscname* represents the DSCNAME.

System Action: The DCB is closed and then opened again. The data is truncated to the specified block size and passed to the user.

User Response: Increase the block size or reduce the length of input.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: MVS data management determines the problem. This message is issued from the CICS-provided SYNAD routine generated in the terminal control table (TCT).

DFHMC4001 *date time applid* Error purge delay inoperative because of {*transid* | *invalid req* | *unexpected*} error.

Explanation: An error return code has been received from the interval control program (ICP) during initiation of the purge delay transaction, CSPQ.

The return code is caused by one of the following.

- A TRANSID error.
- An INVALID REQ error.
- An UNEXPECTED error.

System Action: Purge delay does not operate for this execution of CICS. A dump is taken.

User Response:

- For a TRANSID error, define transaction CSPQ.
- For an INVALID REQ, the ICP returned an INVALID REQUEST return code in response to the INITIATE request. Determine why this has occurred and correct the problem.
- For an UNEXPECTED error, the ICP returned an unrecognized error code in response to the INITIATE request. The error code can be found in the dump at label MCPINERR in program DFHMCP. Determine why this has occurred and correct the problem.

Destination: CSMT

Module: DFHMCP

XMEOUT Parameters: *date, time, applid, {1=transid, 2=invalid req, 3=unexpected}*

DFHMExxxx messages

DFHME0001 *applid* An abend (code *xxx/yyyy*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end or program check has occurred in module *modname*.

The code *xxx/yyyy* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code (for example AKEA) or a number referring to a CICS message (for example 1310 refers to CICS message DFHTS1310).

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Since the abend affects the national language modules in the message (ME) domain, CICS is not automatically terminated. However, you may decide that your system should not be allowed to run without these modules, in which case you need to bring CICS down.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in this manual. Look up the CICS alphanumeric code in this manual. This code tells you, for example, whether the error was a program check, an abend, a runaway, or a recovery percolation.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME, DFHMESR

DFHME0002 *applid* An error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: A bad return code is sent to the caller of the message (ME) domain. If the call is made by the domain manager, DFHDMDM, CICS is terminated by the domain manager, and a message is issued to this effect. However, if the message is issued by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer as this message indicates a severe error in CICS code. Its impact may or may not

be severe, depending on the circumstances. For example, if it only occurs once and CICS has not been terminated by the domain manager, you may decide to continue to run and bring CICS down at a convenient time. But if the message recurs or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME, DFHMESR, DFHMEWT

DFHME0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This situation may not be an error, or if it is an error it may not be critical, so CICS is not terminated immediately, even if you have specified **terminate** in the dump table. CICS will purge the runaway task if you have specified this in the SIT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error affects message generation, and the message (ME) domain does not automatically terminate CICS. You should decide whether the problem is serious enough to bring CICS down.

Since some transactions can use a lot of CPU time, this message may have been caused by a long-running transaction. Usually, CICS terminates a task which it considers to be a runaway task. It does this termination when the task exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds).

If you have declared ICVR=0, you have to terminate the task yourself if you consider that it has gone into a loop. Purge the task using the CEMT transaction.

If CICS has purged the task and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time in order to do this.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMESR, DFHMEME

DFHME0006 *applid* Insufficient storage to satisfy GETMAIN (code *X'code'*) in module *modname*. MVS code *mvscode*.

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request. The code *X'code'* is the exception trace point ID which uniquely identifies the place in the code where the error occurred. The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table with code *X'code'*. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified **terminate** in the dump table. However, if this error indicates a general problem with storage, CICS could be abnormally terminated by the CICS storage manager. A message will be issued to this effect.

If the GETMAIN fails for DFHMEDM, a return code is sent to the domain manager, DFHDMDM, and CICS is terminated by the domain manager. A message is issued to this effect.

If the GETMAIN fails for the message domain DFHMEME, it could occur in one of four places. The code *X'code'* indicates which GETMAIN has failed as follows:

Code	Meaning
X'0340'	During formatting of TD message The message is not issued.
X'0341'	During build of message The message is not issued.
X'0342'	While building user exit parameters The message is issued to original destination.
X'0343'	During rebuild of message in English The rebuilt English message is not issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is terminated, look out for the relevant termination messages from the storage manager or the domain manager and the user response suggested.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. You will need to bring CICS down to do this, if it has not already been terminated.

The problem may be a temporary one which rights itself if more storage becomes available. If CICS is still running, and you can manage without the full set of CICS messages, you may decide to continue and bring CICS down at a convenient time.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME

DFHME0101 *applid* An error (code *X'code'*) occurred while writing message *msgno* to transient data destination *dest*

Explanation: CICS has tried to write message *msgno* to the transient data destination *dest*. This has failed for one of the following reasons:

1. Destination *dest* has not been defined in the DCT.
2. Destination *dest* is currently disabled.
3. The transient data queue for destination *dest* is full.
4. An I/O error has occurred writing to destination *dest*.

The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table and CICS continues.

User Response: Check that *dest* is defined in your DCT.

If (1), add a new entry to the DCT for destination *dest*.

If (2), use CEMT to reset the status of the queue to 'enabled'.

If (3), allocate more space for the queue, or reset the trigger level (if messages are being issued to a terminal or printer).

If (4), investigate and fix the cause of the I/O error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0102 *applid* An error (code *X'code'*) has occurred in module *modname* while producing message *msgno*.

Explanation: A severe error has been detected and the message (ME) domain has been unable to produce message *msgno*. The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: A return code is sent to the caller of the message (ME) domain, but since the call was made by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer as this indicates a severe error in CICS code. However, its impact may not be serious. For example, if the error only occurs once and you can run without message *msgno*, you may continue to run and bring CICS down at a convenient time.

However, if the message recurs (and on each recurrence there is a different message number *msgno*), or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

DFHME0105 *applid* Insufficient storage to load module *modname*.

Explanation: An MVS load has failed. The message language module *modname* could not be loaded as there was insufficient storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language in which case the message is sent to the console in English). If the default language module cannot be loaded, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot be loaded, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded, (even if you have specified **terminate** in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages to terminals. If the default language module cannot be loaded, a return code is sent to the domain manager and CICS is terminated by the domain manager.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down. (Or you may bring CICS down at a more convenient time.)

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, try decreasing the size limits of the DSAs or EDSAs. Or you could try increasing the size of the whole region, if it is not already at maximum size.

Alternatively, you may be able to get more storage space by removing unwanted language modules from storage. To do this, bring CICS down, remove the language codes you do not need from the SIT or respecify the list of language modules as an override parameter, and restart CICS.

Note: You should not remove the default language module from the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0106 *applid* Module *modname* could not be loaded. REGISTER 1 = *X'nnnnnnnn'* and REGISTER 15 = *X'nnnnnnnn'*

Explanation: The message language module *modname* could not be loaded. The reason that it could not be loaded is given by the contents of registers 1 and 15, which are returned by MVS.

System Action: If the missing module is not the default language module, CICS uses the default language for messages.

If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified **terminate** in the dump table).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0107 *applid* Module *modname* cannot be found in the library.

Explanation: The message load module *modname* was not found in the library defined in the JCL for the CICS job. This load module is a language module for messages. It is either a module which has been defined in the SIT for messages in a particular language, or it is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language, in which case the message is sent to the console in English). If the default language module is missing no messages can be delivered.

Terminals can have messages in the default language or in another chosen language. If the chosen language module is missing, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated immediately, even if you have specified this in the dump table, unless the default language module is missing, (even if you have specified **terminate** in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

User Response: This error could have occurred because of a problem in a library or in the SIT. If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

It is also possible that an incorrect or misspelled language code has been used in the SIT. In this case, you have to bring CICS down, reinstall your chosen language code as a system initialization parameter, and restart CICS.

If you no longer need this language module, you should remove it from the SIT at the next convenient opportunity.

If the default language module is missing, CICS is terminated by the domain manager. You need to discover whether the fault is in the library or the SIT and follow the appropriate procedure above.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0108 *applid* Message *msgno* cannot be found in module *modname*.

Explanation: Message *msgno* should have been delivered, but was not found in message language module *modname*.

This module is the national language module specified in the SIT by the user which gives messages in a chosen language.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue to run without message number *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

- + Note that this message will appear after maintenance has been applied to the CICS message domain if there are older, pre-maintenance, versions of the DFHMETxl message modules in other libraries elsewhere in the STEPLIB concatenation.
- + If you have just applied maintenance and are encountering this message, check for, and remove, older versions of the message modules in the STEPLIB concatenation.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0109 *applid* Message set *setname* could not be found in module *modname* while producing message *msgno*.

Explanation: Message set *setname* was not found in the message language module *modname*.

The *setname* is the first two characters after the DFH in CICS messages (for example, LD or 21), which is followed by the message number.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*.

- | If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

DFHME0110

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0110 *applid* Optional insert *ii* is missing for message *msgno*.

Explanation: Optional insert *ii* was requested on a call to the message domain but could not be found in the message definition template.

System Action: CICS delivers the message with ??? in place of the missing insert *ii*.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0111 *applid* Insert *ii* is missing for message *msgno*.

Explanation: Insert *ii* is required for message *msgno*. The insert was not found.

System Action: CICS delivers the message with ??? in place of the missing insert *ii*.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0112 *applid* Insert number *ii* is invalid for message *msgno* (code X'*code*).

Explanation: Insert *ii*, supplied on the call to the message (ME) domain, was invalid. For example, it may have been a decimal insert with a length greater than 4 bytes.

The code X'*code*' uniquely identifies the occurrence of the invalid insert.

System Action: CICS delivers the message with ??? in place of the invalid insert *ii*.

An exception entry with code X'*code*' is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno* being produced.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0113 *applid* Incorrect parameters used in call to DFHMEME for message *msgno*.

Explanation: A call to the message (ME) domain for message *msgno* was made with an invalid combination of parameters.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0114 *applid* There are no destinations specified for message *msgno*

Explanation: There was no destination *destid* specified in the message language module for message *msgno*. This error could occur if the message language module has been corrupted or is not at the correct release level.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno* being produced. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0115 *applid modname* Message module for language *language* not found. The default module *modnameb* is used.

Explanation: The message language module *modname* for the national language *language* could not be found in the list of available modules. It is not found if a CICS program calls for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module may be unavailable because the LOAD for the appropriate message language module failed at initialization. In this case, there will have been an earlier message

about the failed LOAD. Alternatively, the module may not be available because the language specified on the terminal definition, or userid definition, was not specified in the SIT or was specified incorrectly.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

All messages which should appear in language *language* in module *modname* appear in the system default language *modnameb* instead.

User Response: Your action depends on whether the use of the default language for messages is acceptable or not. If it is acceptable, you can delay taking any action until a convenient time. This may entail changing a terminal or userid definition if that is the cause of the problem.

If the use of the default language is not acceptable, and if module *modname* failed to load at initialization, take the action described for the appropriate message about a failed LOAD issued during start-up.

Otherwise, bring CICS down and specify module *modname* in the SIT or respecify the list of language modules as an override parameter, and restart CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0116 *applid (Module:modname)* CICS symptom string for message *msgno* is *symstring*

Explanation: Message *msgno* has been issued as the result of a possible CICS error.

Symptom string *symstring* has been produced to provide additional diagnostic information for IBM support.

System Action: This message accompanies message *msgno* and has no effect on the system action. The system action is that stated in message *msgno*.

User Response: Refer to the user response of message *msgno* which provides the necessary information to determine if the error is serious enough to be reported to IBM Support.

Destination: Console

Module: DFHMEME

XMEOUT Parameters: *applid, msgno, symstring, modname*

DFHME0117 *applid* The Message User Exit point XMEOUT is unavailable for message *msgno*

Explanation: The message (ME) domain was unable to use the message user exit point 'XMEOUT' when it was processing message *msgno*. This is probably because it was invoked too early in CICS initialization. A response of KERNERROR has been returned to the message (ME) domain from the program which invokes the user exit, DFHAPEX.

System Action: The message (ME) domain continues processing as this error is not severe. The message *msgno* which the message (ME) domain was trying to produce is not suppressed or rerouted by the message user exit. Instead, it is issued to the original destination defined for message *msgno*.

User Response: None. You cannot suppress message *msgno* because the error has occurred too early in initialization.

DFHME0118

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0118 *applid* An error has occurred when calling the Message User Exit for message *msgno*

Explanation: The message (ME) domain has received an incorrect response from DFHAPEX, the program which invoked the message user exit.

System Action: The message (ME) domain will continue processing as this error is not severe. The message *msgno* which the message (ME) domain was trying to produce is not suppressed or rerouted but is issued to its original destination.

User Response: This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

However, it is possible that the user exit invoking program DFHAPEX interface has been corrupted. DFHAPEX issues an exception trace entry to indicate that there is an error, but is not able to issue its own error message via the message (ME) domain as doing so would cause CICS to loop. In this case, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0119 *applid* Message *msgno* has an invalid {*Destination* | *User Exit* | *Message Identification*} component

Explanation: The message (ME) domain has encountered an invalid component in the definition of message *msgno* in the message language module. The message language module may have been corrupted or be at the wrong release level.

System Action: The ME domain produces an exception trace entry and continues processing. No dump is taken.

User Response: Ensure that you are using the correct level of the message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*. If you feel it is not important, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0120I *applid* Message *msgno* has been rerouted to its original destination.

Explanation: The message domain user exit point XMEOUT has attempted to route message *msgno* to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can only be rerouted to a TD queue if its original destination has a TD queue.

System Action: The message is rerouted to its original destination.

User Response: None. For programming information about the XMEOUT user exit, see the *CICS/ESA Customization Guide*.

Destination: Console

Module: DFHMEME

XMEOUT Parameters: *applid*, *msgno*

DFHME0121 *applid* The {*first* | *second*} attempt at formatting message *msgno*, TD queue *queuname* has failed - {*Invalid DBCS format* | *Unknown error*}

Explanation: The message (ME) domain was trying to produce message *msgno* (destined for transient data queue *queuname*). However, an invalid response has been returned from the message formatting routine, DFHMEFO. This error is probably due to invalid DBCS characters being found in either the message inserts or the message text. The message text is checked at definition time for mismatched shift-out and shift-in characters. However, adjacent shift-in and shift-out characters could appear in a message, for instance, if a double byte message insert has not been supplied correctly.

The message (ME) domain first tries to format the message into 120-byte segments. However, if the transient data queue has been defined with a different queue length, formatting is performed a second time using the new queue length. (Hence the reason for *first* or *second* attempts at formatting the message.)

System Action: A dump is taken. The message domain does not issue the message being formatted. An exception trace entry is made by the formatting routine DFHMEFO.

User Response: This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without the message *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0122 *applid* The Message User Exit has returned invalid route code information for message number *msgno*

Explanation: The message user exit program has set an invalid route code as the destination of message *msgno*. Valid route codes are numbers 1 to 28 inclusive.

System Action: The message (ME) domain ignores the invalid route code and defaults to the original destination defined for message *msgno* in the message language module.

User Response: Check that your message user exit program sets valid route code information for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0123 *applid* The Message User Exit has returned invalid TD queue information for message number *msgno*

Explanation: The message user exit program has set an invalid queue name as the destination of the message *msgno*. Valid queue names consist of 4 alphanumeric characters.

System Action: The message (ME) domain ignores the invalid queue name and defaults to the original destination defined for message *msgno* in the message language module.

User Response: Check that your message user exit program sets valid queue name information for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0124 *applid* TD is unavailable for writing message *msgno* to TD queue *queuname*

Explanation: The message (ME) domain has tried to output message *msgno* to transient data queue *queuname*. However, transient data (TD) is not yet available. This situation may occur early in CICS initialization.

System Action: If the message destination is CDBC, the message is rerouted to the console instead. If the message destination is any other TD queue, it is lost.

User Response: The impact of this error may not be severe. For example, the error may only occur once, or you may decide to continue without message *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0125 *applid* The Message User Exit has returned an invalid return code *rc* for message *msgno*

Explanation: The message user exit has returned a return code *rc*, which is neither 0 or 4 when it was processing message *msgno*. (A return code of 4 indicates that the message is to be suppressed.)

System Action: The message (ME) domain continues processing as normal and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

User Response: Check that your message user exit program is working properly, and that it is passing the correct return code back to the message (ME) domain.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0126 *applid* Error in SYMREC invocation. Return code in R15 = X'mmmm', Reason code in R0 = X'nnnn'

Explanation: While handling an error, CICS tried to write a symptom record to SYS1.LOGREC.

However, a further problem was detected while attempting to invoke the SYMREC service.

Return code X'mmmm' in register 15 and reason code X'nnnn' in register 0 indicate the reason for the error. This may be one of the following.

- CICS has been prevented from writing the symptom record to SYS1.LOGREC by the ASREXIT MVS installation exit. In this case a system dump is not produced.
- There is an error in the SYMRBLD macro. (This is the macro CICS uses to build its symptom records.)
- CICS has supplied invalid data to be added to the symptom record.
- There is an error in the SYMREC service. Examples of possible problems include a storage error, or insufficient space in the LOGREC buffer.
- The SYMREC service is currently inoperative.

System Action: Processing continues and a system dump may be produced.

An exception trace entry (pointid=X'0806') is made in the trace table which contains the symptom record which CICS attempted to write.

User Response: Determine whether the error was caused by a problem in the format of the symptom record produced by CICS, or by a problem in the SYMREC service.

The meanings of the return and reason codes, together with additional information about the SYMREC service can be found in the *Systems Programming Library: System Macros and Facilities Volume 1* manual, (GC28-1150).

Return codes 0010 or 0014 indicate a problem in the SYMREC service which must be reported to the MVS System Administrator.

A return code of 000C and a reason code of 0F1C indicates that the ASREXIT installation exit has prevented CICS from writing the symptom record. This could be caused by an installation error.

Report the problem to your MVS system administrator.

Any other return code indicates that the symptom record is invalid to the SYMREC service.

DFHME0127

The impact of this error need not be severe, if for example, the problem occurs only as an isolated incident or on the production of a particular message. In these cases, this message can be ignored.

However, if the problem is persistent, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEWS

DFHME0127 *applid* A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module *modname*. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this error may not be critical, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

No symptom string is produced for this message because the error has occurred in a module concerned with symptom strings.

User Response: Inform the system programmer. This message indicates a severe error in CICS code. However, the impact of this error should not be severe because the module DFHMEWS is not crucial to CICS functioning.

If the problem recurs, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEWS

DFHME0128 *applid* Message msgno has an invalid route code.

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid route code associated with message *msgno*. Valid route codes are numbers from 1 through 28.

This error could only happen if the route codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0129 *applid* Unable to format console message msgno as it contains invalid DBCS characters.

Explanation: The routine which attempted to format console message *msgno* was unable to do so as it was found to contain invalid double byte (DBCS) characters. For example, adjacent or unmatched pairs of shift-in and shift-out characters are invalid in a string of DBCS text.

This situation could occur if there are inserts in the message which contain, for example, a shift-out and a shift-in character with no double byte characters entered in between.

System Action: The message (ME) domain continues processing but message *msgno* is not issued as it cannot be formatted. The message formatting routine, DFHMEFO, issues an exception trace entry. The routine which issues console messages, DFHSUWT, also issues an exception trace entry.

User Response: Ensure that any double-byte information entered from a terminal which may be used as a message insert is entered correctly.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0130 *applid* Message msgno has an invalid descriptor code.

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid descriptor code associated with message *msgno*. Valid descriptor codes are numbers 1 through 16.

This error could only happen if the descriptor codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0131 *applid* Unable to calculate length of message msgno due to message table corruption, code(code)

Explanation: The message (ME) domain could not calculate the length of the message *msgno* due to possible corruption of the message language module.

System Action: A return code is sent to the caller of the message (ME) domain. The message *msgno* is not issued.

User Response: Ensure that you are using the correct level of the message data module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

You may need further assistance from IBM to resolve this problem.

See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0132 *applid* The User's Message Exit program has failed while processing message *msgno*

Explanation: The user's message exit program is either looping or has failed with a program check.

System Action: The message (ME) domain continues processing and issues message *msgno* to its original destination. The user exit invoking program DFHAPEX issues an exception trace entry to indicate that the user's message exit program has failed, but it cannot issue its own error message via the message (ME) domain as doing so would cause CICS to loop.

User Response: Disable your message exit program and ensure it is working properly.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0133 *applid* Message *msgno* could not be found in module DFHMEMGT

Explanation: The message domain was trying to issue one of its own error messages to indicate that an error had occurred in the message domain. However, the message domain was unable to find the message it was attempting to issue in its own internal message table DFHMEMGT.

System Action: An exception entry is made in the trace table by the message domain. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

User Response: This message indicates an error in CICS code. However, its impact may not be severe.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSUME

DFHME0134 *applid* Message *msgno* has been truncated because it was too long.

Explanation: The message (ME) domain was trying to output message *msgno*, but truncated the message because it was too long. Message *msgno* is a conversational message to an operator which has exceeded the maximum size of 119 characters.

System Action: The ME domain truncates the message to 119 bytes before issuing it. An exception trace entry is made and a dump taken, but processing continues.

User Response: This message indicates that *msgno* has been incorrectly defined in the message table, or that the inserts supplied to the message have caused it to exceed the size limit imposed on conversational messages. If enough information can be obtained from the truncated message, the impact of this error may not be severe. If necessary, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0135 *applid* The default language *language* specified in the SIT NATLANG parameter is invalid. It has been defaulted to E.

Explanation: The default language is the first character in the NATLANG system initialization parameter. The default language *language* is not in the list of valid CICS language suffixes.

System Action: CICS continues with a default language of E (US English).

User Response: If you do not want a default language of E, change the first character in the NATLANG system initialization parameter to another valid CICS language suffix. See the *CICS/ESA System Definition Guide* for a list of valid CICS language suffixes.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMESR

DFHME0136 *applid* Message *msgno* is missing from national language module *modname*. Searching the English message table for the message text.

Explanation: Message *msgno* cannot be issued in the specified language because the message was not found in the national language module *modname*.

This could be the result of a PTF containing message *msgno* not being applied to the module *modname*. In this case, the text of the missing message could be present in the English language message table DFHMET1E.

System Action: An exception entry is made in the trace table. The message domain tries to find the message in the English language message table. If the message is not found in the

DFHME0137

English table either, message DFHME0108 is issued followed by a system dump.

User Response: Run the MEU PTF update process to ensure that any new messages have been applied to your language table *modname*, and rebuild this table. See the *CICS/ESA Operations and Utilities Guide* for guidance on this.

If message DFHME0108 follows this message, there is an error in CICS code and you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

+ **DFHME0137 applid Message *msgno* cannot be rerouted to a transient data destination by the message user exit XMEOUT.**

+ **Explanation:** The message *msgno* cannot be rerouted to a transient data destination via XMEOUT because by doing so, CICS could enter a loop.

+ **System Action:** An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination defined for message *msgno* in the message language module.

+ **User Response:** Alter your message user exit program to avoid rerouting the message *msgno* to a transient data destination. The *noreroute* indicator is passed by the message domain to the exit so that the exit program can check whether or not it is valid to reroute a particular message.

+ **Destination:** Console

Module: DFHMEME

DFHME0500 PLEASE ENTER A MESSAGE NUMBER.

Explanation: No search of the messages and codes file has been made because both the component ID and message number fields were blank when you pressed the ENTER key.

System Action: The transaction redisplay the main menu with this message.

User Response: Enter a valid message number or abend code.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0501 AN INVALID OPTION HAS BEEN ENTERED.

Explanation: A key other than F3 or ENTER has been pressed.

System Action: The transaction redisplay the main menu with this message.

User Response: Enter a valid message number or abend code and press ENTER, or press a valid function key.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0502 THE CMAC FILE IS DISABLED.

Explanation: The CMAC file is disabled for one of these reasons:

- The file was initially defined as disabled and has not been enabled
- The file has been disabled by an EXEC CICS SET command or by the CEMT transaction.

System Action: The transaction redisplay the main menu with this message.

User Response: If the CMAC file was defined as disabled, use the CEMT transaction to enable the file.

If the CMAC file has been disabled, determine the reason. It might have been disabled for maintenance or update.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0503 THE CMAC FILE CANNOT BE FOUND IN THE FCT.

Explanation: The CMAC file cannot be found in the file control table (FCT).

System Action: The transaction redisplay the main menu with this message.

User Response: Check that the CMAC file has been defined and installed. See the *CICS/ESA Installation Guide* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0504 RESOURCE SECURITY CHECK FAILED ON CMAC FILE.

Explanation: The resource security check has failed.

System Action: The transaction redisplay the main menu with this message.

User Response: Ensure that the resource security class is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0505 THE CMAC FILE IS CLOSED OR UNENABLED.

Explanation: One of the following has occurred:

- The requested file is CLOSED and UNENABLED. The CLOSED, UNENABLED state is reached after a close request has been received against an OPEN ENABLED file and the file is no longer in use. This state can be specified as the initial state by means of the FILSTAT parameter of the DFHFCT TYPE=FILE control table macro, or by defining a file using the RDO options STATUS = UNENABLED and OPENTIME = FIRSTREF.
- The requested file is OPEN and UNENABLED and in use by other transactions, but a close request against the file has been received.

System Action: The transaction redisplay the main menu with this message.

User Response: Use the CEMT transaction to ensure that the CMAC file is in the OPEN ENABLED state.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0506 REQUESTED MESSAGE NUMBER/ABEND CODE NOT FOUND

Explanation: The attempt to retrieve the specified message number or abend code has been unsuccessful.

System Action: The transaction redisplay the main menu with this message.

User Response: Ensure that the correct message number or abend code has been entered.

If no message numbers or abend codes appear to be valid, check that the correct DSName has been specified on the CMAC file definition.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0507 CHECK THAT THE CORRECT DSNAME IS BEING USED.

Explanation: An attempt to retrieve a record from the CMAC data set has been unsuccessful because the CMAC DSName is incorrectly specified.

System Action: The transaction redisplay the main menu with this message.

User Response: Ensure that the correct DSName has been specified on the CMAC file definition.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0508 THE CMAC TRANSACTION IS INVALID FOR THE CONSOLE.

Explanation: You have tried to invoke the CMAC transaction from a CONSOLE. This is not permitted.

System Action: The CMAC transaction ends with this message.

User Response: Ensure that CMAC is invoked from a terminal that is not being used as a CONSOLE.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME9993I UNABLE TO DETERMINE LENGTH OF MESSAGE

msgno - response reason

Explanation: The message DFHmsgno could not be found by the message (ME) domain in the message tables.

System Action: CICS continues.

User Response: If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPM6

DFHME9994I UNABLE TO RETRIEVE MESSAGE *msgno -*

response reason

Explanation: The message DFHmsgno could not be retrieved by the message (ME) domain from the message tables.

System Action: CICS continues.

User Response: If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPM6

DFHME9996I MESSAGE PARAMETER LIST ERROR - CHECK PLIST

Explanation: The parameter list for the message generation process is not valid.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the DFHMGT entry for the message has been built correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9997I MESSAGE FIND ERROR - CHECK THE MESSAGE MODULE

Explanation: The message being issued could not be found by the message generation process in the DFHMGT table entry for this message set.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that an entry exists for the message number in the appropriate DFHMGT tables.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9998I MESSAGE NUMBERS GREATER THAN 9999 ARE INVALID

Explanation: The message being issued has a message number greater than 9999. Message numbers should be in the range 1 through 9999.

System Action: CICS continues but the message in error cannot be issued.

User Response: Redefine the message number.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9999I THE MESSAGE INDEX MODULE 'DFHMG' IS MISSING

Explanation: The message generation process cannot find an index module in the DFHMG table for the message it is trying to issue. This can occur where a message defined as being destined for either a console or a TDQ is being issued as a terminal end user message.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the destination is correct for the message being issued.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHMNxxxx messages

DFHMN0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abend or program check has occurred in module *modname*. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *MVS/ESA System Codes* manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If module *modname* is not crucial to the running of your CICS system, you have the option to continue to run and to bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHMN0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *module* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNST, DFHMNSR, DFHMNSU, DFHMNTI, DFHMNUE

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHMN0003 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If either DFHMNMN or DFHMNST issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNST

XMEOUT Parameters: *applid*, X'code', *modname*

DFHMN0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE

XMEOUT Parameters: *applid*, X'offset', *modname*

DFHMN0005 *applid* **A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNST, DFHMNUE

XMEOUT Parameters: *applid*, *modname*, X'code'

DFHMN0101 *applid* **SMF error - SMF return code X'rc'.**

Explanation: The monitoring domain authorized services routine issued a SMFEWTM macro to write a record to the MVS system management facilities (SMF) data set and encountered a non-zero return code.

System Action: The request is ignored and the SMF record is lost. An exception entry is made in the trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

User Response: Consult the *MVS/ESA System Programming Library: System Management Facilities (SMF)* manual for a detailed explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, X'rc'*

DFHMN0102 *applid* SYSEVENT error - SYSEVENT return code X'rc'.

Explanation: The monitoring domain authorized services routine issued a SYSEVENT macro to notify the MVS/ESA System Resource Manager (SRM) that a subsystem transaction had been completed and had encountered a nonzero return code.

System Action: The request is ignored and the SYSEVENT data is lost. An exception entry is made in the CICS trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

User Response: Refer to the *MVS/ESA Application Development Macro Reference* for an explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, X'rc'*

DFHMN0103I *applid* Monitoring control table for suffix 'xx' not found.

Explanation: The monitoring control table for suffix xx could not be found in the library described by the DFHRPL DD statement. This suffix is specified as a system initialization parameter.

System Action: Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter is specified. The operator may enter another suffix or continue with system initialization.

If initialization continues without an override, monitoring domain uses the default monitoring control table.

User Response: There are three likely causes of this error:

- The monitoring control table is not in the library.
- The monitoring control table name has been misspelled.
- An incorrect suffix has been used at startup.

Ensure that the suffix specified is correct and that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table.

If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.

If the suffix is incorrect and PARMERR=IGNORE is specified, the monitoring domain uses the default monitoring control table.

If the monitoring control table is missing or misspelled and you want to reinstall it, CICS has to be terminated. Reassemble the monitoring control table into the relevant library.

Destination: Console

Module: DFHMNSR

XMEOUT Parameters: *applid, xx*

DFHMN0104 *applid* Monitoring Control Table with suffix 'xx' required for restart not found.

Explanation: The monitoring domain has determined the monitoring control table suffix xx from the last CICS execution, but was unable to locate the monitoring control table in the library described by the DFHRPL DD statement and no override suffix has been specified.

Subsequent executions of CICS will continue to use the suffix specified in the message until it is changed in the SIT.

System Action: Initialization continues with the monitoring domain using the default monitoring control table.

User Response: Ensure that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table. If the monitoring control table is missing, it must have been deleted. If you want to reinstall the table, CICS must be terminated. Reassemble the monitoring control table into the relevant library.

Destination: Console

Module: DFHMNDM

XMEOUT Parameters: *applid, xx*

DFHMN0105I *applid* Using default Monitoring Control Table.

Explanation: The monitoring domain is initializing with default monitoring control table settings. This occurs:

1. If the user has specified MCT=NO, or
2. Following message DFHMN0104, or
3. After message DFHMN0103 or DFHMN0106 has been issued, but no corrective action has been taken.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0106 *applid* Unable to read the catalog record for the Monitoring Domain.

Explanation: The monitoring domain has attempted to re-establish the status of the monitoring classes and the monitoring control table suffix under which it was running during the last execution of CICS. But it was unable to successfully read the record from the global catalog.

System Action: An exception entry is made in the trace table.

System initialization continues with the supplied system initialization parameters.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there will be an exception trace entry in the trace table.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0107 *applid* **Unable to update the catalog record for the Monitoring Domain.**

Explanation: The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

System Action: An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

Destination: Console

Module: DFHMNSU

XMEOUT Parameter: *applid*

DFHMN0108I *applid* **Using Monitoring Control Table suffix 'xx'.**

Explanation: The monitoring control table with the suffix *xx* is used for this CICS run.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameters: *applid, xx*

DFHMN0109I *applid* **CICS Monitoring is active.**

Explanation: The CICS monitoring facility is currently active for this run of CICS.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0110I *applid* **CICS Monitoring is inactive.**

Explanation: The CICS monitoring facility is currently inactive for this run of CICS.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0111 *applid* **SYSEVENT retry unsuccessful , data lost: transid *transid* userid *userid*.**

Explanation: The Monitoring Domain Authorized services routine issued a SYSEVENT macro to notify the MVS/ESA System Resource Manager (SRM) that a subsystem transaction had been completed, and had still encountered a return code '8' after five retries.

System Action: The request is ignored, and the SYSEVENT data is lost.

User Response: Refer to the *MVS/ESA Initialization and Tuning* manual or the *MVS/ESA Application Development Macro Reference* for a detailed explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, transid, userid*

DFHMN0201 S Invalid parameter. The equals sign is missing.

Explanation: A SYSIN parameter has been encountered that does not contain an equals sign. Equals signs are mandatory for every keyword supported by the monitoring dictionary utility.

System Action: The job step is terminated with a return code of 12.

User Response: Correct the SYSIN keyword that does not have an equals sign and resubmit the job. For further guidance on the syntax of DFHMNDUP keywords, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0202 S Invalid parameter. MCT incorrectly specified

Explanation: Following the equals sign of the MCT= keyword there must be a 2-character operand or a delimiter. Neither has been found. The 2-character operand is treated as the suffix for an MCT to load.

System Action: The job step is terminated with a return code of 12.

User Response: Correct the MCT= keyword with a valid operand or delimiter.

If you do not wish to have a dictionary record constructed from a particular MCT, you can use a default MCT image by specifying a blank or a comma after the equals sign, or by specifying MCT=NO. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0203 S Invalid parameter. SYSID must be four characters or less.

Explanation: A SYSID of greater than 4 characters, or a SYSID keyword without an operand has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid SYSID of up to 4 characters. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0204 S Invalid parameter. GAPPLID must be eight characters or less.

Explanation: A generic APPLID (GAPPLID) of greater than 8 characters, or a GAPPLID keyword without an operand has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid GAPPLID of up to 8 characters. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0205 S Invalid parameter. SAPPLID must be eight characters or less.

Explanation: A specific APPLID (SAPPLID) of greater than 8 characters has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid SAPPLID of up to 8 characters or allow the SAPPLID to default to the GAPPLID by not specifying SAPPLID. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

+ DFHMN0206 S Invalid parameter. DATE must be of format yyddd or yyyyddd.

Explanation: The date has been specified incorrectly. There are three possible reasons for this:

- + • The date specified is not in the correct format of 'yyddd' or 'yyyyddd'.
- + • The date contains non-numeric characters
- + • 'ddd' is not in the range 1 through 366.

System Action: The job step is terminated with a return code of 12.

- + **User Response:** Ensure that the date is in the format 'yyddd' or 'yyyyddd' and that the values are valid.

If you want DATE to default to the current date, then do not specify this parameter. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0207 S Invalid parameter. TIME must be of format hhmmss.

Explanation: The time has been specified incorrectly. There are three possible reasons for this:

- More than 6 characters have been specified
- The value specified contains nonnumeric characters
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the time specified is in the format 'hhmmss' and that the values are valid.

If you want TIME to default to the current time, do not specify this parameter. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0208 S Invalid parameter. Keyword is unknown.

Explanation: A SYSIN parameter has been processed and found to contain an unrecognized keyword.

System Action: The job step is terminated with a return code of 12.

User Response: Rename the unrecognized keyword. See the *CICS/ESA Operations and Utilities Guide* for a complete list of supported keywords. Also, ensure that there are no blanks preceding any of the keywords in the SYSIN data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0209 S No SYSIN parameters have been specified.

Explanation: There are no SYSIN parameters specified in the JCL.

System Action: The job step is terminated with a return code of 12.

User Response: Check the JCL for the existence of SYSIN parameters. If SYSIN does not exist or has no parameters, see the *CICS/ESA Operations and Utilities Guide* for guidance on coding DFHMNDUP parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0210 S applid Load for MCT has failed. MCT cannot be found. A dump will be provided.

Explanation: DFHMNDUP attempted to load 'DFHMCTxx' from STEPLIB, where 'xx' is the suffix provided via the MCT= keyword. This MCT was not found in the STEPLIB concatenation.

System Action: The job step is abended with a dump.

User Response: Ensure that the MCT suffix is correct and that the library that contains it is in the STEPLIB concatenation for the job step.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMNDUP

DFHMN0211 S Getmain storage for control blocks has failed.

Explanation: An MVS GETMAIN for the utilities global storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0212 S Getmain storage for output record has failed.

Explanation: An MVS GETMAIN for the 32KB record buffer storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0213 S The MVS TIME macro has failed. There is a clock error.

Explanation: Because DATE and/or TIME have not been specified, DFHMNDUP has attempted to retrieve the current DATE and/or TIME from MVS using the TIME macro. The TIME macro has reported that the MVS clocks are damaged.

System Action: The job step is terminated with a return code of 12.

User Response: Inform your MVS system programmer of the failure.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0214 S Invalid parameter. Missing delimiter detected.

Explanation: DFHMNDUP parameter syntax requires keyword/operand pairs to be separated by a delimiter in the form of a comma or a blank space. A delimiter has been found missing from a keyword/operand.

System Action: The job step is terminated with a return code of 12.

User Response: If the SYSIN data set has been coded such that there are multiple parameters on one line, then ensure that there is one blank or one comma between each parameter. If the SYSIN data set has been coded such that there is only one parameter on a line, ensure that it is terminated with a blank or a comma. For further guidance on the syntax of DFHMNDUP parameters, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0215 S Mandatory SYSIN parameter(s) missing.

Explanation: The two mandatory parameters are for the generic APPLID (GAPPLID) and the MVS system identifier (SYSID). These two parameters have not been specified and there are no defaults.

System Action: The job step is terminated with a return code of 12.

User Response: Specify the following:

- the generic APPLID of the CICS system that DFHMNDUP is going to produce a dictionary record for
- the MVS system identifier for the MVS system that produced the monitoring performance class records you are going to process.

For further guidance on the syntax of DFHMNDUP parameters, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0216 S Invalid parameter. JOBNAME must be eight characters or less.

Explanation: A JOBNAME has been specified with more than eight characters.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid JOBNAME of up to eight characters. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

+ **DFHMN0217 S Invalid parameter. JOBDATE must be of format yyddd or yyyyddd.**

| **Explanation:** The JOBDATE parameter has been specified incorrectly. There are three possible reasons for this:

- + • The date specified is not in the correct format of 'yyddd' or 'yyyyddd'.
- + • Nonnumeric characters have been specified
- + • The number of days 'ddd' is not in the range 1 through 366.

| **System Action:** The job step is terminated with a return code of 12.

| **User Response:** Ensure that JOBDATE consists of valid characters in the format 'yyddd' or 'yyyyddd'

+ If you want JOBDATE to default to the current date, do not specify this parameter. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** SYSPRINT

| **Module:** DFHMNDUP

| **DFHMN0218 S Invalid parameter. JOBTIME must be of format hhmms.**

| **Explanation:** The JOBTIME parameter has been specified incorrectly. There are three possible reasons for this:

- + • More than six characters have been specified
- + • Nonnumeric characters have been specified
- + • The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

| **System Action:** The job step is terminated with a return code of 12.

| **User Response:** Ensure that JOBTIME consists of valid characters in the format 'hhmms'.

+ If you want JOBTIME to default to the current time, do not specify this parameter. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** SYSPRINT

| **Module:** DFHMNDUP

| **DFHMN0219 S Invalid parameter. USERID must be eight characters or less.**

| **Explanation:** A USERID has been specified with more than eight characters.

| **System Action:** The job step is terminated with a return code of 12.

| **User Response:** Specify a valid USERID of up to eight characters. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** SYSPRINT

| **Module:** DFHMNDUP

| **DFHMN0220 DFHMNDUP CANNOT OPEN THE SYSPRINT FILE.**

| **Explanation:** The SYSPRINT file cannot be opened because the SYSPRINT DD statement is missing or incorrectly defined.

| **System Action:** The job step is terminated with a return code of 12.

| **User Response:** Ensure that the SYSPRINT DD statement has been correctly defined. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHMNDUP

| **DFHMN0221 DFHMNDUP CANNOT OPEN THE SYSIN FILE.**

| **Explanation:** The SYSIN file cannot be opened because the SYSIN DD statement is missing or incorrectly defined.

| **System Action:** The job step is terminated with a return code of 12.

| **User Response:** Ensure that the SYSIN DD statement has been correctly defined. For further guidance, see the *CICS/ESA Operations and Utilities Guide*.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** Console

| **Module:** DFHMNDUP

| **DFHMUxxxx Message editing utility messages**

| **DFHMU0102 SOURCE DATA FILE NOT FOUND, OR RECORD FORMAT OR LENGTH NOT VALID.**

| **Explanation:** Either the input file has been deleted or has not been defined correctly.

| **System Action:** Processing terminates.

| **User Response:** Ensure the input file exists and has been defined as RECFM F LRECL 80.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** SYSPRINT

| **Module:** DFHMEU

| **DFHMU0103 UNRECOGNIZED CONTROL WORD ON INPUT DATA RECORD.**

| **Explanation:** An unrecognized control word was encountered during processing. The line printed following this message contains the word in error.

| **System Action:** Processing continues.

| **User Response:** Correct or remove the incorrect control word.

| **Note:** This message cannot be changed with the message editing utility.

| **Destination:** SYSPRINT

| **Module:** DFHMEU

DFHMU0104 MISPLACED INPUT RECORD IN DATA SEQUENCE.

Explanation: An input record has been placed incorrectly. The record in error is printed after this message.

System Action: Processing continues.

User Response: Place the record in error in the correct position.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0105 PREMATURE END OF FILE REACHED IN 'SCANPARAMS' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SCANPARAMS section of the message source (DFHMExxE) file.

System Action: Processing terminates.

User Response: Check the message source file for corruption and ensure that the SCANPARAMS section and subsequent message definitions have been completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0106 PREMATURE END OF FILE REACHED IN 'MEMBERLIST' DATA SEQUENCE.

Explanation: Processing of a link-edit (DFHMETxx) file has ended because of an unexpected end-of-file (EOF) condition in the MEMBERLIST section.

System Action: Processing terminates.

User Response: Correct and complete the MEMBERLIST section of the link-edit file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0107 PREMATURE END OF FILE REACHED IN 'GLOBALS' DATA SEQUENCE.

Explanation: Processing of the DFHME00x file (where x is the current language suffix identifier) GLOBALS section was terminated due to an end-of-file (EOF) condition.

System Action: Processing terminates.

User Response: Check DFHME00x for corruption, and ensure that the GLOBALS section is complete and valid.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0108 MESSAGE *msgno*: PREMATURE END OF FILE REACHED IN 'MSGDEF' DATA SEQUENCE.

Explanation: An end-of-file (EOF) condition was encountered during the processing of message *msgno*. This is due to an incomplete message definition.

System Action: Processing terminates.

User Response: Complete the message definition for *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0109 NEXT LINE IS INCORRECT. IT MUST BE 'MEMBERLIST', 'SCANPARAMS', 'GLOBALS', OR 'MSGDEF'.

Explanation: The next line in the message source file being processed has not been recognized.

System Action: Processing terminates after the validation routine.

User Response: Ensure that the following parameters are present.

- MEMBERLIST in message link-edit (DFHMETxx) files.
- SCANPARAMS as the first parameter in all message source (DFHMExxE) files.
- GLOBALS in the NLS module DFHMET00x (where x is the current language suffix identifier).
- MSGDEF at the start of all message definition groups.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0110 MISPLACED RECORD IN 'SCANPARAMS' SEQUENCE.

Explanation: A record is not recognized as being part of the SCANPARAMS sequence. The record is printed after this message.

System Action: Processing terminates after the validation routine.

User Response: Reposition the incorrect parameter from the SCANPARAMS sequence in its correct position in the file. If the parameter is unknown, remove it from the file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0111 INCORRECT INPUT RECORD FOUND WHEN 'MEMBER' EXPECTED.

Explanation: The keyword encountered on the record being processed is invalid for the link-edit (DFHMETxx) files. The record is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the invalid record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0112 MISPLACED RECORD IN 'GLOBALS' SEQUENCE

Explanation: A keyword has been encountered that is not valid in the GLOBALS section of the message file. The record in error is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the record containing the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0113 MISPLACED RECORD IN 'MSGDEF' SEQUENCE

Explanation: A record is out of sequence in the message definition. The record in error is printed after this message.

System Action: Processing continues.

User Response: Sequence the message definition records correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0114 NUMBER OF MEMBERS IN MEMBERLIST EXCEEDS MAXIMUM ALLOWED.

Explanation: The maximum of 150 message members has been exceeded in the link-edit DFHMETxx module.

System Action: Processing continues.

User Response: Reduce the number of members in the MEMBERLIST section.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0115 MESSAGE *msgno*: TOO MANY SOURCE LINES.

Explanation: The maximum of 80 non-null and non-comment source lines has been exceeded in message *msgno*.

System Action: Processing continues.

User Response: Reduce the number of source lines in message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0116 'MEMBER' RECORD IS NOT A VALID 2-CHARACTER MESSAGE COMPONENT IDENTIFIER.

Explanation: The DFHMETxx member record printed after this message has an incorrect identifier.

System Action: Processing continues.

User Response: Ensure that all message component identifiers (MEMBER records) are correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0117 VALUE MISSING FOR KEYWORD ON GLOBAL OR PARAMETER RECORD.

Explanation: The keyword on the record printed after this message requires a value.

System Action: Processing continues.

User Response: Enter the required value for the keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0118 MESSAGE *msgno*: NO DATA DEFINED BETWEEN 'MSGDEF' AND 'ENDMSG'.

Explanation: The message definition for message *msgno* is incomplete. Only the MSGDEF and ENDMSG records have been created.

System Action: Processing continues.

User Response: Complete or remove the definition of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0119 MESSAGE *msgno*: INVALID KEYWORD FOUND ON 'MSGDEF' DATA RECORD.

Explanation: A keyword specified on the MSGDEF record is not known to the system.

System Action: Processing continues.

User Response: Ensure that the spelling of the MSGDEF keywords is correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0120 MESSAGE NUMBER IS MISSING OR NOT A VALID 4-DIGIT NUMBER.

Explanation: A message number is missing or does not consist of 4 digits.

System Action: Processing continues.

User Response: Specify a valid 4-digit message number after the MSGNO keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0121 MESSAGE *msgno*: DESTINATION NAME MISSING FROM 'DEST' RECORD.

Explanation: The destination identifier is missing from the DEST keyword in message *msgno*.

System Action: Processing continues.

User Response: Specify a valid destination identifier.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0122 MESSAGE *msgno*: NO DELIMITERS FOUND FOR TEXT STRING.

Explanation: Opening and closing delimiters are missing from a text string in message *msgno*. The text string is printed after this message.

System Action: Processing continues.

User Response: Ensure all text strings are enclosed in delimiters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0123 MESSAGE *msgno*: AN OPENING OR CLOSING DELIMITER IS MISSING FROM A TEXT STRING.

Explanation: An opening or closing delimiter is missing from a text string in message *msgno*. The text string is printed after this message.

System Action: Processing continues.

User Response: Ensure that all text strings are enclosed in delimiters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0124 MESSAGE *msgno*: SUFFIX FOR 'INS#NN','REPLY#NN' OR 'VALUE#NN' IS INCORRECT. 'NN' MUST BE IN RANGE 1 TO 10.

Explanation: A maximum of 10 inserts is permitted for each message definition. The insert number *nn* in INS#*nn*, REPLY#*nn*, or VALUE#*nn* in message *msgno* has been mistyped or exceeds the maximum value.

System Action: Processing continues.

User Response: Correct the insert number.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0125 MESSAGE *msgno*: INSERT DATA RECORD HAS 'FORMAT' KEYWORD MISPLACED OR MISSPELLED.

Explanation: The FORMAT keyword for the record that defines an insert has either been misplaced or misspelled. FORMAT must always be the first keyword of the insert definition.

The incorrect record is printed after this message.

System Action: Processing continues.

User Response: Correct the spelling or position of the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0126 MESSAGE *msgno*: INVALID FORMAT TYPE. FORMAT MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The format type which is specified after the FORMAT keyword for message *msgno* is not valid. The FORMAT record at fault is printed after this message.

System Action: Processing continues.

User Response: Specify CHAR, HEX, DEC, TIME, or DATE after the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0127 MESSAGE *msgno*: 'FORMAT' OPERAND IS INCOMPLETE. 'FORMAT' MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The FORMAT record in message *msgno* is incomplete. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Complete the FORMAT record details.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0128 MESSAGE *msgno*: **VALUE#nn KEYWORD INCORRECT OR MISSING ON INS#nn DATA RECORD.**

Explanation: The keyword VALUE has been misspelled or is missing on the INSERT record of message *msgno*. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Correct the record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0129 MESSAGE *msgno*: **INVALID KEYWORD** *keyword* **ON 'SPECIAL_INSERT/TIMESTAMP' CARD.**

Explanation: An invalid keyword *keyword* follows the TIME special insert record.

System Action: Processing continues.

User Response: Correct or remove the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0130 MESSAGE *msgno*: **INTERNAL LOGIC ERROR CONVERTING FULLWORD TO CHARACTER FORMAT.**

Explanation: The value of the message number being processed is greater than 9999. This is an internal error caused by the corruption of DFHMEU.

System Action: Processing terminates.

User Response: Restore DFHMEU and retry the process. If the process fails again, you will need further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0131 MESSAGE *msgno*: **DESTINATION IS NOT VALID.**

Explanation: The destination for message *msgno* is not recognized.

System Action: Processing terminates at the end of the validation routine.

User Response: Specify a valid message destination after the DEST keyword for message '*msgno*'.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0132 MESSAGE *msgno*: **ONE OR MORE SHIFT-OUT OR SHIFT-IN SYMBOLS MISPLACED OR MISSING.**

Explanation: One or more Shift-Out or Shift-In symbols have not been found in the double-byte character set (DBCS) message *msgno*.

System Action: Processing continues.

User Response: Ensure all text strings in DBCS messages are surrounded by Shift-Out and Shift-In symbols.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0133 INVALID VALUE FOR GLOBAL FORMAT DEFINITION.

Explanation: The value listed for the keyword on the record printed after this message is not valid.

System Action: Processing continues.

User Response: Correct the keyword value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0134 MESSAGE *msgno* **IS OUT OF SEQUENCE IN SOURCE FILE.**

Explanation: The definition of message *msgno* is out of sequence in the message file. Message definitions must be positioned in ascending order of their message numbers.

System Action: Processing continues.

User Response: Move the definition of message *msgno* to its correct position in the source file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0135 MESSAGE *msgno*: **DUPLICATE MESSAGE NUMBER IN SOURCE FILE.**

Explanation: The message *msgno* has already been defined in the message file.

System Action: Processing continues.

User Response: Remove the duplicate message definition or reassign with a unique message number.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0136 MESSAGE *msgno*: PREMATURE END OF FILE IN 'SYMDEF' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SYMDEF section of the message definition. The SYMDEF section should be terminated by an ENDSYM record.

System Action: Processing terminates.

User Response: Insert an ENDSYM record to terminate the SYMDEF section of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0137 MESSAGE *msgno*: UNRECOGNIZED SYMPTOM KEYWORD.

Explanation: The record being processed is not recognized as a symptom keyword.

System Action: All records up to the next ENDSYM keyword are rejected. If a record with an ENDSYM is not found, all records are rejected until end of file.

User Response: Ensure that an ENDSYM record exists for the symptom section and that all keywords are valid.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0138 MESSAGE *msgno*: MISSING SYMPTOM ARGUMENT.

Explanation: The SYMPTOM keyword printed after this message does not have an associated argument.

System Action: Processing continues.

User Response: Add a valid argument to the SYMPTOM keyword for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0139 MESSAGE *msgno*: INVALID SYMPTOM ARGUMENT: INS#n | SPECIAL_INSERT | TEXT STRING.

Explanation: The argument specified for the SYMPTOM keyword printed after this message is not valid.

System Action: Processing continues.

User Response: Correct the SYMPTOM keyword argument for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0140 MESSAGE *msgno*: UNDEFINED INSERT IN SYMPTOM OR EXIT RECORD.

Explanation: The insert number specified on the SYMPTOM or EXIT record printed after this message has not been defined in the message definition.

System Action: Processing continues.

User Response: Correct the SYMPTOM or EXIT keyword insert.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0141 MESSAGE *msgno*: SYMPTOM DATA ARGUMENT IS NOT VALID.

Explanation: The argument specified for the SYMPTOM keyword shown following this message is incorrect for this symptom.

System Action: Processing continues.

User Response: Ensure that the specified argument is the correct one for the SYMPTOM keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0142 MESSAGE *msgno*: SPECIAL INSERT IS NOT VALID AS A SYMPTOM ARGUMENT.

Explanation: The special insert specified as an argument to the SYMPTOM keyword for message *msgno* is not valid in the symptom string. The symptom record is printed after this message.

System Action: Processing continues.

User Response: Correct the symptom record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0143 MESSAGE *msgno*: TEXT SYMPTOM ARGUMENT CONTAINS INVALID CHARACTERS.

Explanation: The text specified in the SYMPTOM argument contains one or more characters that are not allowed in IBM's RETAIN system.

System Action: Processing continues.

User Response: Ensure text arguments for SYMPTOM keywords contain only the following characters **A** to **Z**, **0** to **9**, **@**, **#**, **¢**, and **&**.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0144 MESSAGE *msgno*: NO ROUTECODES SPECIFIED. DEFAULTING TO 2 AND 11.

Explanation: The ROUTECODES keyword has been specified without any routecodes and has defaulted to routecodes 2 and 11.

System Action: Processing continues.

User Response: Accept the defaults or specify alternate valid routecodes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0145 MESSAGE *msgno*: INVALID DESTINATION KEYWORD. IT SHOULD BE *x*.

Explanation: The system encountered an invalid destination keyword. The valid keyword should be *x*. The line in error is printed after this message.

System Action: Processing continues.

User Response: Correct the destination keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0146 MESSAGE *msgno* ROUTECODE *x* IS OUT OF RANGE. VALID RANGE IS >0 TO <=*n*.

Explanation: An invalid value has been specified for a routecode.

System Action: Processing continues.

User Response: Correct the routecode value. The routecode should be greater than 0 and less than or equal to *n*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0147 MESSAGE *msgno*: TRANSIENT DATA QUEUE *qname* IS NOT VALID.

Explanation: The destination transient data queue (TDQ) *qname* in message *msgno* is unknown to the system.

System Action: Processing continues.

User Response: Correct the TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0148 MESSAGE *msgno*: THE VALUE *x* IS NOT VALID. IT MUST BE NUMERIC.

Explanation: An EXIT parameter has been specified with a nonnumeric value.

System Action: Processing continues.

User Response: Ensure all EXIT parameters are defined with numeric values.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0149 MESSAGE *msgno*: INVALID ARGUMENT GIVEN FOR EXIT PARAMETER *n*.

Explanation: The insert argument specified on EXIT parameter *n* is unknown.

System Action: Processing continues.

User Response: Specify a valid argument for the exit parameter *n*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0150 MESSAGE *msgno*: EXIT PARAMETER *n* SPECIFIES AN INSERT NOT IN THE MESSAGE DEFINITION.

Explanation: The EXIT parameter *n* has specified an insert which does not exist in the definition template of message *msgno*.

System Action: Processing continues.

User Response: Specify only existing inserts for the EXIT parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0151 MESSAGE *msgno*: NO EXIT PARAMETERS HAVE BEEN SPECIFIED.

Explanation: No EXIT parameters have been specified for this message. These are required because the message contains inserts.

System Action: Processing continues.

User Response: Add user exit information to the message definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0152 MESSAGE *msgno*: EXIT PARAMETER *n* IS MISSING.

Explanation: The EXIT parameter for insert *n* is missing.

System Action: Processing continues.

User Response: Insert the missing EXIT parameter.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0153 MESSAGE *msgno*: EXIT PARAMETER NUMBER IS NOT VALID. IT MUST BE GREATER THAN ZERO.

Explanation: An EXIT parameter number was defined with a number of zero. These parameter numbers should start from 1.

System Action: Processing continues.

User Response: Renumber the EXIT parameters correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0154 MESSAGE *msgno*: INSERT *n* DOES NOT HAVE AN EXIT PARAMETER.

Explanation: A mismatch was found between the number of inserts and the user exit parameters defined for this message. There must be an EXIT parameter defined for each message insert.

System Action: Processing continues.

User Response: Correct the user exit parameters defined for this message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0155 MESSAGE *msgno*: QUEUE NAME MISSING FROM TDQ DESTINATION.

Explanation: Message *msgno* has a transient data queue (TDQ) destination type but no TDQ name has been specified.

System Action: Processing continues.

User Response: Enter a valid TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0156 MESSAGE *msgno*: 'QUEUES' KEYWORD IS MISSING.

Explanation: The TDQ destination QUEUES keyword has been omitted from the definition of message *msgno*.

System Action: Processing continues.

User Response: Specify the QUEUES keyword and a valid TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0157 MESSAGE *msgno*: KEYWORD *keyword* HAS ALREADY BEEN SPECIFIED.

Explanation: The destination keyword *keyword* has already been specified for message *msgno*.

System Action: Processing continues.

User Response: Remove the duplicate entry or merge the destinations with the previous destination definition for this message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0158 MESSAGE *msgno*: TOO MANY INSERTS ON SPECIAL INSERT LINE.

Explanation: More than four special inserts have been specified on one line.

System Action: Processing continues.

User Response: If you need more than four special inserts, create another SPECIAL_INSERT line with the extra inserts.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0159 MESSAGE *msgno* DESTINATION *destid*: TDQ NAME OR ROUTE CODE *destname* IS REPEATED.

Explanation: The destination *destid*, (either console or TDQ), has a duplicate *destname* entry. The *destname* is a route code if *destid* is console, or a transient data queue name if *destid* is TDQ.

System Action: Processing continues.

User Response: Correct the destination information for this message by removing the duplicate entry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0160 MESSAGE *msgno*: INSERT *n* HAS ALREADY BEEN SPECIFIED.

Explanation: The insert *n* has been repeated in the definition of the exit parameters. There should only be one exit parameter per insert.

System Action: Processing continues.

User Response: Correct the insert definition in the exit parameter section of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0162 'MEXDEF' KEYWORD IS MISSING OR MISPLACED.

Explanation: The MEXDEF keyword is either missing or in the wrong place. This keyword signifies the start of the user exit parameters definition section. It should appear after the definition of the message text and before the ENDMSG keyword.

System Action: Processing continues.

User Response: Ensure the MEXDEF keyword is present and in the correct place.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0163 MESSAGE *msgno*: 'MEXDEF' IS SPECIFIED BUT NO INSERTS EXIST IN THE MESSAGE DEFINITION..

Explanation: The MEXDEF keyword has been included in the definition of message *msgno* but there are no inserts defined for it. MEXDEF indicates the start of the user exit parameter definition section, and user exit parameters are only needed when a message contains inserts.

System Action: Processing continues.

User Response: Remove the MEXDEF keyword or ensure that message inserts have not been omitted from the message template.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0165 MESSAGE *msgno*: 'MEXDEF' SPECIFIED FOR A MESSAGE THAT IS NEITHER CONSOLE NOR TDQ.

Explanation: A MEXDEF record has been included in a message definition when the output destination is not Console or TDQ. The MEXDEF record implies that the message is available for the message user exit. Only messages to a console or TDQ destination can go through the message user exit.

System Action: Processing continues.

User Response: Either remove the MEXDEF record or change the message destination.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0166 MESSAGE *msgno*: USER EXIT DATA SPECIFIED FOR A BOOKONLY OR OFFLINE MESSAGE.

Explanation: User exit parameters have been specified for message *msgno* which is not produced by the message domain because it is a bookonly or offline message. This message does not need user exit parameters as it is not available for the message user exit.

System Action: Processing continues.

User Response: Ensure that message *msgno* has been correctly defined as bookonly or offline. If it has, remove the user exit parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0167 MESSAGE *msgno*: 'ROUTECD' OR 'QUEUES' KEYWORD IS OUT OF SEQUENCE.

Explanation: A ROUTECD or QUEUES keyword is in the wrong position in the message definition template.

System Action: Processing continues.

User Response: Correct the keyword sequence. The ROUTECD keyword should be on the DEST line after the CONSOLE keyword. The QUEUES keyword should be on the DEST line after the TDQ keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0169 MESSAGE *msgno*: 'APPLID' SPECIAL INSERT MISSING ON CONSOLE MESSAGE.

Explanation: Console messages must have the APPLID special insert specified before the message text. This special insert is either missing or misspelled.

System Action: Processing continues.

User Response: Add the APPLID special insert to the message definition before the start of the message text.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0170 MESSAGE *msgno*: DATE, TIME, OR APPLID SPECIAL INSERTS MISSING OR INCORRECT ON TDQ MESSAGE.

Explanation: Messages with a destination of TDQ should be defined with DATE, TIME, and APPLID special inserts before the message text. One or more of these special inserts is missing or incorrect.

System Action: Processing continues.

User Response: Ensure that the three special inserts are present and correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0999 INTERNAL LOGIC ERROR: NO MESSAGE FOR ERROR CODE *code*.

Explanation: The system attempted to display an error message that has not been defined in the internal message table.

System Action: Processing of the utility program terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMVxxxx messages

DFHMV0001E SEVERE ERROR IN CICS SVC SERVICES DURING RESMGR EXIT CLEAN-UP PROCESSING, R15OUT = X'XXXXXXXX', R0OUT = X'XXXXXXXX', R1OUT = X'XXXXXXXX', R15IN = X'XXXXXXXX', ROIN = X'XXXXXXXX', SVC NUMBER = X' X'xx'.

Explanation: The CICS RESMGR exit stub has twice called the CICS SVC to perform clean-up for a particular functional area during normal or abnormal termination of a CICS TCB or address space. However, the SVC return code was nonzero both times. The message inserts identify the functional area concerned (*ROIN*), the SVC number, and the inputs and outputs.

System Action: CICS termination continues. Subsequently, other CICS regions might encounter severe errors in the functional area for which termination clean-up has failed.

User Response: Inform the system programmer. Keep any dumps, the system log, and the output from the failing job. If other CICS systems are being seriously degraded by persistent errors in the functional area affected, it is usually necessary to re-IPL MVS to correct the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMVRMS

DFHPAxxxx messages

DFHPA0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An unexpected program check or operating system abend with abend code *aaa/bbbb* occurred at offset *X'offset'* in module *modname*. This can be caused by corruption of CICS code or control blocks.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: A system dump is taken unless specifically suppressed for this system abend code, and the system attempts to continue operation unless termination has been requested via the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the abend or program check using the dump, the abend code, the trace table, and any other diagnostic messages which may have been issued.

Destination: Console

Modules: DFHPAGP, DFHPADM, DFHPAIO

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHPA0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*

The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHPADM

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHPA0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing when the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the CICS module identified in the message is terminated and CICS continues.

However, if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHPADM

XMEOUT Parameters: *applid*, *X'offset'*, *modname*

DFHPA1101 *applid* DFHSIT xx IS BEING LOADED.

Explanation: This is an informational message displayed during CICS initialization.

xx, if present, represents the 1- or 2-character suffix for the SIT being used.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1102 *applid* READING OVERRIDE PARAMETERS FROM SYSIN.

Explanation: This message is displayed during CICS initialization to show that the SIT overrides are being read from the SYSIN data set.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1103 *applid* END OF FILE ON SYSIN.

Explanation: This is an informational message displayed when CICS has reached the end of the SYSIN data set.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1104 *applid* SPECIFY ALTERNATIVE SIT PARAMETERS, IF ANY, AND THEN TYPE '.END'.

Explanation: If the word "CONSOLE" or "CN" was detected in either the parameter input stream on the EXEC statement of the CICS JCL, or in the SYSIN data set, then this prompt message will be displayed when the parameter (PA) manager is ready to accept console overrides.

System Action: The system initialization program waits for a response from the operator.

User Response: Enter the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1105 *applid* CONTINUE SPECIFYING SIT PARAMETERS AND THEN TYPE '.END'.

Explanation: While SIT overrides are being entered on the console, this prompt message will be displayed to request more overrides if the previous line did not end with ".END".

System Action: The system initialization program waits for more override parameters to be entered by the operator.

User Response: Continue entering the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1106 *applid* **MODULE DFHSITxx COULD NOT BE LOADED. SPECIFY NEW SUFFIX, 'NONE'(UNSUFFIXED) OR 'CANCEL'.**

Explanation: During PA domain initialization, a SIT with a suffix of *xx* could not be loaded.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The PA domain initialization routines wait for the operator to enter an alternative 1- or 2-character suffix, or YES to request the unsuffixed SIT, or CANCEL. If CANCEL is entered, CICS is abnormally terminated with a dump.

User Response: Determine whether the suffix is correct. If it is not, enter the correct suffix or enter 'YES' for the unsuffixed version. Otherwise enter 'CANCEL', correct the error (by adding the module to the appropriate library) and restart CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1107 *applid* **A level VERSION OF MODULE DFHSITxx WAS LOADED. CICS CAN ONLY INITIALIZE WITH THE CURRENT LEVEL SIT.**

Explanation: During PA domain initialization, a SIT with a suffix of *xx* and a release level of *level* was loaded. Since this version is not compatible with current CICS code, CICS is abnormally terminated.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: To correct the error, reassemble the SIT at the current CICS level. Refer to the *CICS/ESA Migration Guide* for guidance on changes to the SIT that may be required for the new release. CICS should then be restarted.

Alternatively, the system may have been pointing to the wrong SIT. To correct this second case, check the bring up JCL to make sure that the 'SIT=' override is correct. Refer to the *CICS/ESA System Definition Guide* for guidance on coding system initialization parameters. Furthermore, check the library search order to make sure that stray SITs, which may be unknowingly present, are removed or renamed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1108 *applid* **DFHSITxx HAS BEEN LOADED. (GENERATED AT MM/DD= mm/dd HH/MM= hh/mm).**

Explanation: This is an informational message displayed during CICS initialization. It displays the date and time that the loaded system initialization table was generated.

- *xx* is the suffix of the SIT being used.
- *mm/dd* is the date (month and day) that the SIT was generated.
- *hh/mm* is the time (hours and minutes of the 24 hour clock) that the SIT was generated.

System Action: CICS Initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1901

#

APAR PQ15243

#

Corrections to message DFHPA1901

#

#

#

***applid modname* COULD NOT BE FOUND OR IS IN A NON-APF LIBRARY/CONCATENATION. CICS IS TERMINATED.**

Explanation: An error has occurred while attempting to load either DFHPASYL or DFHPAIO.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the problem with the module that failed to load.

For example, check that a module *modname* actually exists in the program libraries used by CICS. Check the JCL and that the correct name, the correct library and the correct member in the library are used.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1902 *applid* **UNABLE TO OPEN SYSIN DATA SET. CICS IS TERMINATED.**

Explanation: An error has occurred while attempting to open the SYSIN data set. This occurs if the SYSIN data set does not exist.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Ensure that the SYSIN data set exists and is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1903 *applid* ERROR WHILE READING FROM SYSIN DATA SET. CICS IS TERMINATED.

Explanation: An error has occurred while attempting to read a record from the SYSIN data set. This can occur if the SYSIN data set has been corrupted, or has been incorrectly defined (for example, has not been defined with a logical record length, LRECL, of 80).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the problem in the SYSIN data set.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1907 *applid* SIT DATA *data* IS INVALID FOR KEYWORD *keyword*. KEYWORD IS IGNORED.

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, AND the PARMERR=IGNORE option is specified in the SIT or as an override.

keyword is the keyword for which the value is in error.
data is the invalid data.

System Action: The keyword is ignored. CICS will attempt to initialize without the keyword in error.

User Response: Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1908 *applid* SIT DATA *data* IS INVALID FOR KEYWORD *keyword*. CICS IS TERMINATED.

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=ABEND option is specified in the SIT or as an override.

keyword is the keyword for which the value is in error.
data is the invalid data.

This message is issued only if the data for keyword MCT is in error.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1909 *applid* SIT DATA *data* IS INVALID FOR KEYWORD *keyword*. RESPECIFY KEYWORD AND DATA.

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=INTERACT option is specified in the SIT or as an override. The message inserts are as follows:

- *keyword* is the keyword for which the value is in error.
- *data* is the invalid data.

Note: PARMERR=INTERACT is the default action for invalid keyword data.

System Action: CICS waits for the corrected keyword and data to be entered as an override on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT keyword and data on the console, or bypass by typing '.END', or just supply a blank line.

Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1910 *applid* SIT OVERRIDE *keyword* IS NOT RECOGNIZED. OVERRIDE IS IGNORED. (MODULE *modname*).

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=IGNORE option is specified in the SIT, or as an override. The insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The keyword is ignored, and CICS attempts to initialize without the keyword in error.

User Response: Ensure the keyword specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1911 *applid* SIT OVERRIDE *keyword* IS NOT RECOGNIZED. CICS IS TERMINATED.

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override. the insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid keyword in the SIT overrides, then restart CICS. Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1912 *applid* SIT OVERRIDE *keyword* IS NOT RECOGNIZED. SPECIFY CORRECT SIT OVERRIDE.

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=INTERACT option is specified in the SIT, or as an override. The insert *keyword* is the invalid keyword. Note that PARMERR=INTERACT is the default action for invalid SIT overrides.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1913 *applid* INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE *keyword* BY MODULE *modname*. OVERRIDE IS IGNORED.

Explanation: This message can be issued in the following situations:

- If the data supplied for a SIT override is syntactically invalid, and the PARMERR=IGNORE system initialization parameter is specified. The insert *keyword* is the keyword for which the value is in error.
- In response to invalid data when PARMERR=INTERACT is specified but the user has been attempting to correct a previous invalid SIT keyword or value. In this case, message DFHPA1912 or DFHPA1915 follows this message to prompt for the correction to the original error.
- When PARMERR=INTERACT is specified if invalid data has been passed in PARM or SYSIN for a keyword that cannot be entered from the console (and therefore cannot be corrected by interaction with the console). This typically applies to security keywords.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The keyword is ignored, and CICS attempts to initialize without the keyword in error.

User Response: Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1914 *applid* INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE *keyword*. CICS IS TERMINATED.

Explanation: This message is displayed if the data specified for a SIT override is syntactically invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword in the SIT overrides, then restart CICS.

Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1915 *applid* INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE *keyword*. RESPECIFY THE OVERRIDE.

Explanation: This message is displayed if the data specified for a SIT override is syntactically invalid or is a numeric value of 2 gigabytes or greater. It is only displayed if the PARMERR=INTERACT option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

Note: PARMERR=INTERACT is the default action for invalid SIT overrides.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and then analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1916 *applid* SIT OVERRIDE DATA *data* IS OUT OF RANGE FOR KEYWORD *keyword*. OVERRIDE IS IGNORED.

Explanation: This message is displayed if the data supplied for a SIT override is out of range, and the PARMERR=IGNORE option is specified in the SIT, or as an override.

keyword is the keyword for which the value is in error. *data* is the invalid data.

System Action: The keyword is ignored. CICS will attempt to initialize without the keyword in error.

User Response: Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1917 *applid* SIT OVERRIDE DATA *data* IS OUT OF RANGE FOR KEYWORD *keyword*. CICS IS TERMINATED.

Explanation: This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=ABEND option is specified in the SIT, or as an override.

keyword is the keyword for which the value is in error.
data is the invalid data.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword in the SIT overrides, and restart CICS.

Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1918 *applid* SIT OVERRIDE DATA *data* IS OUT OF RANGE FOR KEYWORD *keyword*. RESPECIFY THE OVERRIDE.

Explanation: This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=INTERACT option is specified in the SIT, or as an override.

keyword is the keyword for which the data is in error. *data* is the invalid data.

Note: PARMERR=INTERACT is the default action for invalid SIT overrides.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1919I *applid* SPECIFIED DATA IS INCORRECT. ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.

Explanation: An invalid value for a keyword has been entered after message DFHPA1912 or DFHPA1915 has been issued. CICS has been unable to analyze the overrides following the invalid one.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS continues to prompt for the corrected override using either message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the data is in the valid range for that keyword.

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1920I *applid* SIT KEYWORD *keyword* AND ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.

Explanation: An invalid keyword has been entered in response to message DFHPA1912 or DFHPA1915. CICS has been unable to analyze the overrides following the invalid one.

The insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS continues to prompt for the corrected keyword using message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the keyword is valid.

Refer to the *CICS/ESA System Definition Guide* for information on how to do this.

You cannot suppress this message with the SIT parameter, MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1921 *applid* PLEASE SPECIFY THE REQUIRED SIT SUFFIX, OR SPECIFY 'NONE'(UNSUFFIXED).

Explanation: The System Initialization Table (SIT) holds information needed for CICS to initialize. This is loaded during preinitialization. The user specifies a 1- or 2-character suffix to identify which SIT to load. To use the unsuffixed default SIT, reply with 'SIT=NO'.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The system loads and uses the specified SIT if it can be found. Otherwise the user is prompted to enter a valid suffix.

User Response: Type 'SIT=xx' in response to the message, where xx represents the SIT suffix to be used. (A suffix of 'NO' causes the system to load an unsuffixed SIT).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM.

DFHPA1922I *applid* SPECIAL KEYWORD *keyword* HAS BEEN REPEATED AND IS IGNORED.

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

The system has found a duplication of one of these keywords. The JCL should be amended.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the second occurrence of the special keyword specified. (Refer to the *CICS/ESA Operations and Utilities Guide* for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1923I *applid* **SPECIAL KEYWORD** *keyword* **HAS BEEN DEFINED OUT OF CONTEXT.**

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

SYSIN cannot be specified from either the SYSIN data stream, or from the console. CONSOLE cannot be specified from the console.

The system has found the specified keyword *keyword* in one of the situations described above, and so the JCL should be amended.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the special keyword specified (Refer to the *CICS/ESA Operations and Utilities Guide* for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1924I *applid* **Initialization parameter** *parm1* **exceeds** *parm2*. **Both are defaulted. (Module** *modname***).**

Explanation: One of two situations may have occurred. In the first, parameter *parm1* has been set as greater than parameter *parm2* by override.

In the second, parameter *parm1* may have been set to a certain level in the SIT macro, but parameter *parm2* has been changed by override so that it is now less than parameter *parm1*.

In either case, the condition is invalid, and so default values are applied to both parameters.

System Action: Both parameters are set to their default values and system initialization continues.

User Response: The system initialization parameters should be altered so that *parm2* is greater than *parm1* for the next bring up of CICS. (Refer to the *CICS/ESA System Definition Guide* for more information. about system initialization parameters.)

CICS initialization continues with the default values. The user can then change the defaulted values using the CICS supplied transaction.

You cannot suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Modules: DFHPADM, DFHPAGP

XMEOUT Parameters: *applid, parm1, parm2, modname*

DFHPA1926 *applid* **A MISSING DELIMITER HAS BEEN DETECTED FOR OVERRIDE** *keyword* **(MODULE** *modname***).**

Explanation: The data supplied for a SIT override *keyword* has not been delimited correctly.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the specified override in the SYSIN data set by entering the opening or the closing delimiter on its data.

Restart CICS.

Refer to the *CICS/ESA System Definition Guide* for the required delimiter for keyword *keyword*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1927 *applid* **text**

Explanation: As system initialization parameters are read from the SYSIN data set, they are written out to the console as the *text* of this message.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1928 *applid* **IF XRF=YES, THE GENERIC AND SPECIFIC APPLIDS MUST BE DIFFERENT. CICS IS TERMINATED.**

Explanation: In an XRF CICS system, a generic and a specific *applid* must be defined. They must also be unique.

This message is displayed and CICS is terminated if both these *applids*, which are defined as SIT overrides, are found to be identical in an XRF environment.

This message is also displayed if only the generic *applid* is defined.

System Action: CICS terminates abnormally.

User Response: Correct the error by defining both the generic and the specific *applids* as SIT overrides. Ensure that they are unique. Refer to the *CICS/ESA System Definition Guide* for further information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1929 *applid* CSDBKUP=DYNAMIC REQUIRES
CSDRECOV=ALL. CSDBKUP HAS BEEN
DEFAULTED TO STATIC.

Explanation: When the value DYNAMIC is specified for the CSDBKUP keyword the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, CSDBKUP is set to the default value STATIC. Because CSDBKUP is set to STATIC, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for backup while open for update.

User Response: Update CICS input JCL with the correct values for CSDBKUP and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1930 *applid* CSDFRLOG=*nn* HAS BEEN IGNORED AS
CSDRECOV=ALL HAS NOT BEEN SPECIFIED.

Explanation: When a forward recovery log value is specified for the CSDFRLOG keyword, the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, the CSDFRLOG value has been ignored. Because CSDFRLOG is ignored, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for forward recovery logging.

User Response: Update CICS input JCL with the correct values for the CSDFRLOG and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1931 *applid* keyword IS A SECURITY KEYWORD AND
CANNOT BE ENTERED AT THE CONSOLE. THE
KEYWORD IS IGNORED.

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS ignores the security SIT override, and initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1932 *applid* A PSDINT VALUE GREATER THAN ZERO
WAS SPECIFIED WITH XRF=YES. PSDINT HAS
BEEN RESET TO 0.

Explanation: A conflict of options has been detected. You have requested Persistent Session Support by specifying a nonzero value for the PSDINT system initialization parameter. This parameter is used to set the Persistent Sessions delay interval. However, you have also requested XRF support by specifying XRF=YES. Persistent Sessions Support and XRF are mutually exclusive.

System Action: The PSDINT value defaults to 0. CICS attempts to continue with XRF support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either PSDINT=0 or XRF=NO. See the *CICS/ESA System Definition Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1934I *applid* START TYPE CHANGED TO *type*.

Explanation: The start type specified in the SIT has been changed to that shown in the message.

System Action: Initialization continues with the new start type.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1935 *applid* keyword IS A SECURITY KEYWORD. THIS
KEYWORD AND ALL SUBSEQUENT KEYWORDS
ON THIS LINE ARE IGNORED.

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console. CICS has been unable to analyze the overrides following the security keyword.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS ignores the security SIT override and all subsequent overrides entered on this line. Initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1936 applid A VALUE WAS SPECIFIED FOR GRNAME WITH XRF=YES. GRNAME HAS BEEN RESET TO BLANKS.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also requested XRF support by specifying XRF=YES. Generic resource support and XRF are mutually exclusive.

System Action: The GRNAME value is reset to blanks. CICS attempts to continue with XRF support but without generic resource support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either GRNAME is not specified or XRF=NO. See the *CICS/ESA System Definition Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1937 applid GRNAME SPECIFIED WITH SPECIFIC AND GENERIC APPLIDS. THE GENERIC APPLID HAS BEEN SET EQUAL TO THE SPECIFIC.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also specified different values for the generic and specific applids. Generic resource support requires that only one value should be specified for the APPLID parameter.

System Action: The generic applid is set to the value of the specific. CICS continues and attempts to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, take no action. If you did not, remove the GRNAME parameter before you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1938 applid GRNAME AND APPLID ARE THE SAME. GRNAME RESET TO BLANKS.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, the value specified for GRNAME is the same as the CICS applid. VTAM requires that the generic resource name must be different from the CICS applid.

System Action: The generic resource name is set to blanks. CICS will not attempt to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, specify the correct GRNAME when you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPCxxxx messages**DFHPC0401 applid Abend abcode issued by yyy task.**

Explanation: A CICS task has abnormally terminated with CICS transaction abend code *abcode*. *yyy* identifies the task, for example TCP (terminal control).

A task abend has been requested for a system task. CICS is abnormally terminated with a system dump.

System Action: CICS terminates abnormally with a dump.

User Response: See the description of abend *abcode* for further guidance.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode, yyy*

DFHPC0402 applid Error with kernel error code errorcode has occurred while processing transaction abend abcode in transaction tranid

Explanation: A program check, abend, loop, or a second transaction abend has occurred while processing a transaction abend and CICS is unable to complete the original transaction abend.

System Action: CICS processing is terminated.

User Response: This is a severe error in CICS internal processing. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, errorcode, abcode, tranid*

DFHPC0405 applid Abend abcode2 has been issued while processing abend abcode1 for the same task, transaction tranid.

Explanation: Transaction *tranid* has abnormally terminated with abend code *abcode1*. While CICS was backing out transaction *tranid*, another abend (namely *abcode2*) occurred. CICS was unable to process the original *abcode* abend correctly.

System Action: CICS is terminated with a dump.

User Response: Investigate why abend *abcode1* occurred. It may be due to an error in CICS abend handling.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode2, abcode1, tranid*

DFHPC0408 *applid* Abend *abcode* has been issued during post commit processing, transaction *tranid*.

Explanation: During post commit processing for transaction *tranid*, the transaction issued abend *abcode*. An abend during transaction post commit processing implies that a resource manager cannot syncpoint correctly, and thus that data integrity is at risk.

System Action: CICS terminates abnormally with a system dump.

User Response: See the description of abend *abcode* for further guidance.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid*, *abcode*, *tranid*

DFHPC0409 *applid* Abends *abcode2* and *abcode3* have been issued while processing abend *abcode1* for the same task, transaction *tranid*.

Explanation: A task has abnormally terminated with abend code *abcode1*. While processing this abend, the task abnormally terminated twice more (in CICS code) with abends *abcode2* and *abcode3* in that sequence. This may be a permanent abend loop.

System Action: CICS terminates abnormally with a system dump.

User Response: See the description of abend *abcode1* for further guidance. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid*, *abcode2*, *abcode3*, *abcode1*, *tranid*

DFHPDxxxx messages**DFHPD0101** Pointer to *xxxxxxx* at offset *X'offset'* is invalid.

Explanation: A pointer to a block of type *xxxxxxx*, whose address is at offset *offset* in the block just formatted, is invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

It is possible that the storage is present in the dump, and the pointer has been initialized with its address, but the storage has not been referred to by CICS code. You can check this by browsing the storage in the dump at this address.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0102 Pointer to *xxxxxxx* at offset *X'offset'* is zero.

Explanation: A pointer to a block of type *xxxxxxx*, whose address is at offset *offset* in the block just formatted, is zero.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0103 *xxxxxxx* address *X'address'* is invalid.

Explanation: The address *address* of a block of type *xxxxxxx* is invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0104 Address of *xxxxxxx* is zero.

Explanation: The address of a block of type *xxxxxxx* is zero.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0105 A loop has been detected. *xxxxxxx* at address *X'address'* already encountered.

Explanation: The formatting program avoids loops resulting from corrupted control block chains by checking for duplicate addresses. The block *xxxxxxx* at address *address* has already been encountered and may already have been formatted.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Check the chain fields in control blocks of the same type which have already been processed. Otherwise the problem may be caused by the timing of the dumps collection, if for example this occurs before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0106 An error has occurred while formatting xxxxxxxx.

Explanation: An error has occurred during the formatting of a block of type xxxxxxxx.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: If no data has been formatted for the block then the block address was probably invalid. In this case see message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0107 Eyecatcher for xxxxxxxx at X'address' is invalid.

Explanation: The eyecatcher field of a control block of type xxxxxxxx at address *address* has an incorrect value.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the eyecatcher has been overwritten or why the control block has not been set up correctly. For more information on how to solve storage overwrite problems, see the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0108 Unable to start browse of xxxxxxxx.

Explanation: An error has occurred when attempting to start browsing a table of type xxxxxxxx.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0109 Unable to get next entry in xxxxxxxx table.

Explanation: An error has occurred when attempting to access the next entry in a table of type xxxxxxxx.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0110 Unable to access data for xxxxxxxx

Explanation: The Interactive Problem Control System (IPCS) service routine ADPLMEMA was unable to find the requested data for control block xxxxxxxx in the dump.

System Action: Dump formatting continues after skipping any sections impacted by the lack of data.

User Response: Either the pointer to the required area was corrupted, which may in itself be a clue to the problem, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem obtain a fresh dump which includes the missing area.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0111I Pointer to xxxxxxxx at offset X'offset' is zero.

Explanation: A pointer to a block of type xxxxxxxx, whose address is at offset *offset* in the block just formatted, is zero.

System Action: Dump formatting continues after skipping any sections affected by the zero pointer.

User Response: The message is informative, indicating that the area was zero at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0112I Address of xxxxxxxx is zero.

Explanation: The address of a block of type xxxxxxxx is zero.

System Action: Dump formatting continues after skipping any sections affected by the block.

User Response: The message is informative, indicating that the area did not contain an address at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0113 This block has already been processed.

Explanation: The block whose heading line has just been printed has already been formatted in this section of the dump.

System Action: The block is formatted again then any sections which may be impacted by the probable control block chain loop are skipped.

User Response: Check the chain fields in the control blocks processed so far. This may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0114 Invalid keyword *keyword*

Explanation: The keyword *keyword* is not valid for the CICS410 verb.

System Action: The keyword is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0115 CICS job not found during ASCB scan.

Explanation: The dump formatting program searched the dump for CICS jobs satisfying the specified JOB criterion (if any), but found none.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error, ensure that the dump is the correct one, that the JOB keyword is correctly specified, and that the dump contains the necessary MVS and CICS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0116 Cannot access the AFCB.

Explanation: The formatting program was unable to access data for the AFCB.

System Action: No formatting is performed.

User Response: Ensure that the dump is the correct one, and that the dump contains the necessary MVS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0117 An error has occurred while formatting *xxxxxxx*.

Explanation: An error has occurred during the formatting of a block of type *xxxxxxx*.

Either the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

Or the block address is invalid,

Or the length of the control block is incorrect.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length

may have been overwritten which may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0118 Invalid argument for JOB=, CURRENT assumed

Explanation: The argument for the JOB operand of the CICS410 verb is invalid.

System Action: The keyword is ignored.

User Response: Correct the invalid argument and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFH410

DFHPD0119 Duplicate keyword *keyword* **found. Value** *value* **accepted**

Explanation: The CICS410 keyword *keyword* has already been encountered.

System Action: The value *value* specified in the message overrides any value previously specified for keyword *keyword*. Processing continues with the new value *value*.

User Response: Remove the duplicate keyword specified on the CICS410 verb.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0120 CICS IPCS exit is terminating.

Explanation: The CICS exit is terminating.

System Action: The exit is returning to the Interactive Problem Control System (IPCS) without performing the requested function. A previous message gives the reason for this.

User Response: To determine what action is necessary, refer to the message immediately preceding this one on the dump.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0121I Formatting control blocks for job *jobname*

Explanation: This shows the job name for the CICS system from which the dump was taken.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD01221 End of dump for job *jobname*

Explanation: This marks the end of the output from the CICS print dump exit.

System Action: None. The formatting job has just completed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0123 A program check has occurred while processing keyword *keyword*

Explanation: A program check has occurred during processing of the keyword identified in the message.

System Action: Dump formatting continues after skipping any sections affected by the error.

Note that the maximum possible number of occurrences of this message is five. If a sixth program check occurs, the dump formatting program terminates abnormally with a DFHPD410 abend code.

User Response: A dump should accompany this message, but if no dump is produced, rerun the job with //DFHSNAP DD SYSOUT=A included in the JCL job stream.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0124 Storage violation detected at *X'address'*. Leading SAA is invalid.

Explanation: The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address *X'address'* has been found to be invalid. However, the trailing SAA is valid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0125 Storage violation detected at *X'address'*. Trailing SAA is invalid.

Explanation: The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address *X'address'* has been found to be invalid. However, the leading SAA is valid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been

overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0126 Storage violation detected at *X'address'*. Leading and trailing SAAs are invalid.

Explanation: The Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address *X'address'* are invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0127 Storage violation detected at *X'address'*. Leading and trailing SAAs differ.

Explanation: Although the Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address *X'address'* are valid, they do not match.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0128 Invalid data length *X'length'* specified for address *X'address'*.

Explanation: The offline utility DFHPD410 has detected a request for a block of data of invalid length *X'length'* while formatting a system dump.

System Action: Dump formatting usually continues after skipping any sections affected by this error.

User Response: This message indicates a probable error in CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0129 Unable to produce formatted dump. Domain Anchor Blocks not found.

Explanation: The dump formatter has attempted to find a CICS dump in a TCB chain but has failed. The scan will continue. This is because DFHPD410 could not find the addresses of the CICS domain anchor blocks in the kernel global storage. Possible causes for this are:

- Scanning the wrong TCB on the TCB chain. The scan will continue.
- The kernel global storage being overwritten or freemained.
- The dump being taken so early on in CICS initialization that the kernel global storage has not yet been set up.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error. Try to recreate the original error and produce a valid system dump against which the dump formatter can be rerun.

If the problem recurs, you will need further assistance from IBM. Collect the sysprint output from the dump formatter and note any relevant messages. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0130 Keyword *keyword1* is no longer valid. Replace with keyword *keyword2*

Explanation: In CICS/ESA 4.1 the keyword *keyword1* has been replaced by *keyword2* for the CICS410 verb.

For example, the keyword PCP has been replaced by PG.

System Action: The keyword *keyword1* is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPD0131 CICS job *jobname* is for CICS version *release1*. CICS IPCS exit is for version *release2*

Explanation: The CICS job *jobname* being processed by the dump formatting program was assembled for CICS release *release1* but the dump formatting program was assembled for CICS release *release2*.

System Action: Processing terminates for the CICS job.

User Response: Retry dump formatting for the CICS job using the dump formatting program for CICS release *release1*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD410

DFHPGxxxx messages**DFHPG0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHPG0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated

by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid, X'code', modname*

DFHPG0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you need to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid, X'offset', modname*

DFHPG0101 *date time applid terminal userid tranid* **PPT entry for progname has been added.**

Explanation: This is an audit log message indicating that program entry *progname* has been added to the PPT using the INSTALL command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0102 *date time applid terminal userid tranid* **PPT entry for progname has been deleted.**

Explanation: This is an audit log message indicating that program entry *progname* has been deleted from the PPT using the REMOVE command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0103 *date time applid terminal userid tranid* **PPT entry for progname has been replaced.**

Explanation: This is an audit log message indicating that program entry *progname* has been replaced in the PPT using the INSTALL command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

DFHPG0104

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0104 *date time applid* **Program progname is defined with DATALOCATION(ANY) but is linkedited with AMODE(24).**

Explanation: Program entry *progname* has been loaded. It is defined (using RDO or by program autoinstall) with DATALOCATION(ANY), but was linkedited with AMODE(24). Addresses returned to the program by EXEC CICS commands using the SET option may be above the 16MB line and not accessible by the AMODE(24) program.

The definition is accepted as the program can pass the storage on to another program which is linkedited with AMODE(31). See the description of DATALOCATION in the *CICS/ESA Resource Definition Guide*.

This message is issued the first time the program is loaded, linked to or XCTLed to, after being defined.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Modules: DFHPGLD, DFHPGLE, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGXE, DFHPGEX

XMEOUT Parameters: *date, time, applid, progname*

DFHPG0201 *date time applid terminal userid tranid* **Program autoinstall exit urmname indicated that program progname should not be added to the PPT.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: None

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, urmname, progname*

DFHPG0202 *date time applid terminal userid tranid* **Program autoinstall exit urmname has abended with code abcde. The program autoinstall function has been disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program autoinstall exit program abended with code *abcde*. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the error in the autoinstall exit program and reenale the autoinstall function using CEMT or the SPI.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, urmname, abcde*

DFHPG0203 *date time applid terminal userid tranid* **Program autoinstall exit urmname failed, reason: reason. The program autoinstall function has been disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit program is incorrectly defined or cannot be found on the load libraries. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.
- *reason* is one of the following:
 - Program not defined
 - Program not enabled
 - Program not loadable
 - Remote program
 - AMODE error
 - Invalid COMMAREA
 - Recursion in autoinstall exit.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the problem and reenale the autoinstall function using CEMT or the SPI. Take the appropriate action to correct the problem:

Program not defined Install the autoinstall exit program.

Program not enabled	Reset the status of the autoinstall exit program.	<ul style="list-style-type: none"> <i>userid</i> is the user identifier of the user associated with the transaction issuing the message. <i>tranid</i> is the transaction issuing the message. <i>value</i> is the returned value. This may be invalid or there may be a conflict between the load attribute specified and the load type of the model program. If the program type is shared, the load attribute must be resident.
Program not loadable	Ensure that the autoinstall exit program is in the load libraries.	
Remote program	Ensure that the autoinstall exit program is defined as a local program.	
AMODE error	Ensure that the autoinstall exit program is AMODE 31.	System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.
Invalid COMMAREA	Ensure that if the program autoinstall exit program passes the COMMAREA to another program, the COMMAREA is correctly passed.	User Response: Ensure that the data returned by the autoinstall exit program is correct.
Recursion in autoinstall exit	The autoinstall user-replaceable module has attempted to link to XCTL or to load another program which is not defined. Autoinstall cannot be attempted with the autoinstall exit. Ensure that the program being referred to is defined using RDO.	Destination: CSPL
		Module: DFHPGAI
		XMEOUT Parameters: <i>date, time, applid, terminal, userid, tranid, urmname, reason</i>
<hr/>		
DFHPG0204	<i>date time applid terminal userid tranid</i> Autoinstall for program <i>progname</i> failed. Program autoinstall model <i>modelname</i> is not defined.	DFHPG0206 <i>date time applid terminal userid tranid</i> Autoinstall for program <i>progname</i> failed. Programs starting with 'DFH' cannot be defined as remote programs.
Explanation:	An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is not defined. Where:	Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing with remote attributes but the program starts with the characters 'DFH'. Where:
<ul style="list-style-type: none"> <i>terminal</i> is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed. <i>userid</i> is the user identifier of the user associated with the transaction issuing the message. <i>tranid</i> is the transaction issuing the message. 		<ul style="list-style-type: none"> <i>terminal</i> is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed. <i>userid</i> is the user identifier of the user associated with the transaction issuing the message. <i>tranid</i> is the transaction issuing the message.
System Action:	Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.	System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.
User Response:	Ensure that all programs to be used as models for the autoinstall function have been defined.	User Response: Ensure that the autoinstall model program selected for programs starting 'DFH' is defined as a local program and that no remote attributes are specified by the program autoinstall exit program.
Destination:	CSPL	Destination: CSPL
Module:	DFHPGAI	Module: DFHPGAI
XMEOUT Parameters:	<i>date, time, applid, terminal, userid, tranid, progname, modelname</i>	XMEOUT Parameters: <i>date, time, applid, terminal, userid, tranid, progname</i>
<hr/>		
DFHPG0205	<i>date time applid terminal userid tranid</i> Invalid value: value returned by program autoinstall exit <i>urmname</i> for field <i>fieldname</i>.	DFHPG0207 <i>date time applid terminal userid tranid</i> Autoinstall for program <i>progname</i> failed. The program name is not valid.
Explanation:	An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit returned an invalid value for a program definition field or the return code via the commarea. Where:	Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program name includes invalid characters. Where:
<ul style="list-style-type: none"> <i>terminal</i> is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed. 		<ul style="list-style-type: none"> <i>terminal</i> is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed. <i>userid</i> is the user identifier of the user associated with the transaction issuing the message. <i>tranid</i> is the transaction issuing the message.
System Action:	Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.	System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.
User Response:	Ensure that the program name is valid.	User Response: Ensure that the program name is valid.
Destination:	CSPL	Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progame*

DFHPG0208 *date time applid terminal userid tranid* **Autoinstall for program *progame* failed.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the install of the definition failed. Either the AMODE/RMODE combination is invalid or the load attribute and type combination is invalid. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progame*

DFHPG0209 *date time applid terminal userid tranid* **PPT entry for *progame* has been autoinstalled using model *modelname*.**

Explanation: This is an audit log message indicating that program entry *progame* has been added to the PPT by the AUTOINSTALL function using the model *modelname*.

Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progame, modelname*

DFHPG0210 *date time applid terminal userid tranid* **PPT entry for *progame* has been system autoinstalled.**

Explanation: This is an audit log message indicating that program entry *progame* has been added to the PPT by the system AUTOINSTALL function.

Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no

terminal associated with the transaction, the terminal name is suppressed.

- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progame*

DFHPG0211 *date time applid terminal userid tranid* **Autoinstall for program *progame* failed. Program autoinstall model *modelname* is disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is disabled. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that all programs to be used as models for the autoinstall function are enabled.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progame, modelname*

DFHPRxxxx messages

DFHPR0101I *date time applid* **The table entry for partner *ptnrname* has been replaced.**

Explanation: This is an informational message indicating that the partner resource manager has replaced the existing table entry for the *ptnrname* partner, with a new table entry.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR01021 *date time applid* The table entry for partner *ptnrname* has been added.

Explanation: This is an informational message indicating that the partner resource manager has added a new table entry for the *ptnrname* partner.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR01031 *date time applid* The table entry for partner *ptnrname* has been deleted.

Explanation: This is an informational message indicating that the partner resource manager has deleted the table entry for the *ptnrname* partner.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR01041 *applid* Partner resource manager initialization has started.

Explanation: This is an informational message indicating that partner resource manager initialization has started.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPR01051 *applid* Partner resource manager initialization has ended.

Explanation: This is an informational message indicating that partner resource manager initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPR01061 *applid* Partner resource manager initialization has failed.

Explanation: The partner resource manager has failed to initialize successfully.

System Action: Message DFHS1522 is issued following this message. CICS terminates or continues initialization depending upon the operator's response to message DFHS1522. An exception trace entry is written at the time the failure is detected. Other CICS components called by partner resource manager initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without the partner resource manager, and respond accordingly to

message DFHS1522. You should also investigate why the partner resource manager failed to initialize, starting from the data contained in the exception trace entry.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPSxxxx messages

DFHPS5366 *applid* The system spooling interface initialization program DFHPSIP is not present.

Explanation: CICS attempted to link to DFHPSIP but the attempt failed because DFHPSIP was not in the CICS program library.

System Action: CICS terminates system spooler initialization.

User Response: Place DFHPSIP in the CICS program library.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHPS5393 *date time applid* Transaction *transid* ended without closing data set on system spool.

Explanation: The transaction *transid* did not close a JES interface data set. Since only one transaction at a time can use the JES input interface, other transactions may be unnecessarily delayed.

System Action: CICS executes a default CLOSE with the KEEP option.

User Response: Change the program so that the transaction issues a SPOOLCLOSE before it terminates, and preferably immediately after the ENDFILE condition occurs on an input data set.

Destination: CSMT

Module: DFHPSPDW

XMEOUT Parameters: *date, time, applid, transid*

DFHPS5394 *date time applid* A storage error has occurred in JES interface subtask, the JES interface has been disabled.

Explanation: An MVS FREEMAIN macro, issued by the CICS JES interface subtask, has failed. To keep dynamic storage area (DSA) storage usable, CICS has terminated the JES interface subtask with MVS user abend 0170.

System Action: CICS rejects subsequent SPOOL commands with the NOSPOOL response.

User Response: CICS will continue running normally (apart from the rejection of SPOOL commands), and you can let it continue unless your spooling requirements are critical.

To reinitiate the JES interface, shut down CICS and perform a warm restart (START=AUTO in the SIT or as an initialization override).

Use the MVS dump to find the source of the problem. In the dump, register 6 addresses the instruction before the ABEND. Normally, register 2 contains the address and register 0 the length of the area to be released.

Destination: CSMT

Module: DFHPSPST

XMEOUT Parameters: *date, time, applid*

DFHRDxxxx messages

DFHRD0101 *date time applid terminal userid tranid* **INSTALL PROGRAM**(*progname*)

Explanation: Program *progname* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHRD0102 *date time applid terminal userid tranid* **INSTALL MAPSET**(*mapsetid*)

Explanation: Mapset *mapsetid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, mapsetid*

DFHRD0103 *date time applid terminal userid tranid* **INSTALL PARTITIONSET**(*partitionsetid*)

Explanation: Partitionset *partitionsetid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, partitionsetid*

DFHRD0104 *date time applid terminal userid tranid* **INSTALL TRANSACTION**(*transid*)

Explanation: Transaction *transid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, transid*

DFHRD0105 *date time applid terminal userid tranid* **INSTALL PROFILE**(*profilid*)

Explanation: Profile *profilid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profilid*

DFHRD0106 *date time applid terminal userid tranid* **INSTALL FILE**(*fileid*)

Explanation: File *fileid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, fileid*

DFHRD0107 *date time applid terminal userid tranid* **INSTALL LSRPOOL**(*lsrpoolid*)

Explanation: Lsrpool *lsrpoolid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, lsrpoolid*

DFHRD0108 *date time applid terminal userid tranid* **INSTALL PARTNER**(*partner_name*)

Explanation: Partner *partner_name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, partner_name*

DFHRD0109 *date time applid terminal userid tranid* **INSTALL TRANCLASS**(*tranclassid*)

Explanation: Transaction class *tranclassid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassid*

DFHRMxxxx messages

DFHRM0101 *applid* A severe error (code *X'code'*) has occurred in module DFHSPP.

Explanation: CICS has detected a severe error while running in module DFHSPP.

System Action: If this is a critical error, CICS is terminated (even if you have specified in the dump table that CICS should not terminate) and a system dump with dumpcode RM0101 is taken unless you have specifically suppressed dumps in the dump table. If the error is not critical, the transaction is terminated with abend code ASPM and CICS continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSPP

XMEOUT Parameters: *applid, X'code'*

DFHRM0102 *applid* A severe error (code *X'code'*) has occurred in module DFHDBP.

Explanation: CICS has detected a severe error while running in module DFHDBP.

System Action: This is a critical error. CICS is terminated (even if you have specified in the dump table that CICS should not terminate). A system dump with dumpcode RM0102 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDBP

XMEOUT Parameters: *applid, X'code'*

DFHRM0103 *date time applid* Transaction *transid* has been backed out during task detach.

Explanation: An implicit syncpoint at the end of a task has resulted in a backout. This occurs if any of the resource managers respond to the syncpoint request with a backout.

This message is sent to the CSMT log and not to the terminal because at this stage, the terminal has already been detached from the task.

System Action: Other processing continues.

User Response: Take user-defined action to ensure all local and remote resources are synchronized.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, transid*

DFHRTxxxx messages

DFHRT4401 *time applid* No transaction identification specified. Please try again.

Explanation: The terminal operator has not entered an identifier for this transaction.

System Action: CICS processing continues.

User Response: Enter a valid transaction identifier.

Destination: Terminal End User

Module: DFHRTE

DFHRT4402 *time applid* You cannot use a Program Function key to start transactions on other systems.

Explanation: Program function keys cannot be used to initiate a transaction on another system using the routing transaction (CRTE).

System Action: CICS processing continues.

User Response: Enter a valid transaction identifier.

Destination: Terminal End User

Module: DFHRTE

DFHRT4403 *time applid* The routing session to system *sysid* has been terminated. Further transactions will not be routed to the connected system.

Explanation: The routing session has been terminated. Subsequent transaction identifiers will not be shipped to the connected system.

System Action: CICS processing continues without the connection to system *sysid*.

User Response: If you need to use system *sysid*, investigate why the routing session has terminated.

Destination: Terminal End User

Module: DFHRTE

DFHRT4404 *time applid* Please change format of request to CRTE SYSID=XXXX,TRPROF=YYYYYYYYY.

Explanation: The request to the routing transaction CRTE contained incorrect syntax.

System Action: CICS processing continues.

User Response: Reenter the request to the routing transaction CRTE using the correct syntax.

Destination: Terminal End User

Module: DFHRTE

DFHRT4405 *time applid* System *sysid* cannot be found. Please check that you have used the correct system name.

Explanation: System *sysid* is not defined to CICS.

System Action: CICS processing continues.

User Response: Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define system *sysid* to CICS.

Destination: Terminal End User

Module: DFHRTE

DFHRT4406 *time applid* **System sysid is not in service.**

Explanation: The system *sysid* is not currently in service, or is released.

System Action: CICS processing continues. If a routing session had been established before the connection became unavailable, it remains in force until the user enters CANCEL. If the connection becomes usable before this, transactions are again routed. If this message is in response to the initial CRTE command, no routing session is in force and no routing is attempted for subsequent terminal input.

User Response: Wait until system *sysid* becomes available. Enter CANCEL to terminate an existing routing session.

Destination: Terminal End User

Module: DFHRTE

DFHRT4407 *time applid* **This system does not include support of Intersystem Communication.**

Explanation: The system has not been generated with support for intersystem communication.

System Action: CICS processing continues without support for intersystem communication.

User Response: Generate the system with support for intersystem communication.

Destination: Terminal End User

Module: DFHRTE

DFHRT4408 *time applid* **Terminal *termid* is not of the type supported by routing transaction *tranid*.**

Explanation: The routing transaction does not support the type of terminal being used.

System Action: CICS processing continues without support for terminal *termid*.

User Response: Use a terminal of the type supported by the routing transaction, that is, a 3270 display terminal or a console.

Destination: Terminal End User

Module: DFHRTE

DFHRT4409 *time applid* **The routing session to system *sysid* has been started.**

Explanation: The routing session has been started.

System Action: CICS processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHRTE

DFHRT4410 *time applid* **System *sysid* is unavailable. The routing session to it is terminated.**

Explanation: The routing transaction has been terminated because the system became unavailable. Subsequent transaction identifiers will not be shipped to the connected system.

System Action: CICS processing continues.

User Response: If appropriate, re-enter the transaction when the routing session to system *sysid* becomes available.

Destination: Terminal End User

Module: DFHRTE

DFHRT4411 *time applid* **The Communication Profile cannot be found.**

Explanation: The profile, specified for a transaction invoked from the terminal to which the message is directed, is not defined to CICS.

System Action: CICS stops initialization of the transaction.

User Response: Define the communication profile to CICS and reinvoke the transaction. For further information on how to define the profile, refer to the *CICS/ESA Distributed Transaction Programming Guide*.

Destination: Terminal End User

Module: DFHRTE

DFHRT4412 *time applid* **The transaction code is not defined on the remote system.**

Explanation: A transaction identification, routed to a remote CICS system, is not an installed transaction definition in the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2001 in a local system.

System Action: CICS stops initialization of the transaction.

User Response: Enter a valid transaction ID, or install the transaction on the remote system.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4413 *time applid* **The transaction has been disabled on the remote system.**

Explanation: A transaction, routed to a remote CICS system, is disabled in the installed transaction definition of the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2008 in a local system.

System Action: CICS stops initialization of the transaction.

User Response: Enable the transaction on the remote system.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4414 *time applid* **Transaction *tranid* cannot run. CICS shutdown is in progress in the remote system.**

Explanation: A transaction *tranid* was routed to a remote CICS system that was being quiesced. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2007 in a local system.

System Action: The remote CICS system continues quiescing.

User Response: Reenter the transaction when the remote CICS system is in normal execution mode.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4415 *time applid* Transaction CXRT was invoked directly by terminal input. This is not allowed.

Explanation: The transaction code CXRT, which is reserved for an internal CICS transaction, was entered from a terminal.

System Action: The transaction is run with no effect.

User Response: Do not enter transaction code CXRT at a terminal.

Destination: Terminal End User

Module: DFHCRT

DFHRT4416 *date time applid Abend abcode* has occurred in the Dynamic Routing Program

Explanation: The dynamic routing program has abnormally terminated with abend code *abcode*.

System Action: Normal transaction abend processing continues.

User Response: See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CSMT

Module: DFHAPRT

XMEOUT Parameters: *date, time, applid, abcode*

DFHRT4417 *date time applid Abend abcode* in DFHAPRT - Dynamic routing program must be AMODE=31.

Explanation: CICS has failed to link to the dynamic routing program because it is not AMODE 31.

System Action: Normal transaction abend processing continues.

User Response: Recompile, reassemble, and link edit the dynamic routing program to AMODE 31.

Destination: CSMT

Module: DFHAPRT

XMEOUT Parameters: *date, time, applid, abcode*

DFHRT4418 *date time applid Abend abcode* in DFHAPRT - Dynamic routing program PPT entry not found.

Explanation: CICS was unable to find a PPT entry for the dynamic routing program.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(*program name*) has been correctly defined to CICS.

Destination: CSMT

Module: DFHAPRT

XMEOUT Parameters: *date, time, applid, abcode*

DFHRT4419 *date time applid Abend abcode* in DFHAPRT - Fetch for dynamic routing program failed.

Explanation: CICS was unable to load the dynamic routing program.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic routing program specified by the system initialization parameter DTRPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(*program name*) has been correctly defined. Ensure that it is also in a load library accessible to CICS.

Destination: CSMT

Module: DFHAPRT

XMEOUT Parameters: *date, time, applid, abcode*

DFHRT4420 *date time applid Abend abcode* in DFHAPRT - Link to the dynamic routing program failed.

Explanation: An unexpected return code was returned from the link to the dynamic routing program.

System Action: Normal transaction abend processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHAPRT

XMEOUT Parameters: *date, time, applid, abcode*

DFHRT4421 *date time applid* Unable to Delete remote Terminal *termid* that is connected to system *sysid*.

Explanation: A transaction could not be started because the remote terminal definition for *termid*, system *sysid* was flagged for deletion but the DELETE failed. This might indicate a transaction looping on the terminal.

System Action: The user transaction abends with abend code AZTI.

User Response: See the associated DFHZCxxxx messages for further guidance. Once corrected, you can attempt to run the transaction again.

Destination: Console and Transient Data Queue CSMT

Module: DFHZTSP

XMEOUT Parameters: *date, time, applid, termid, sysid*

DFHRT4480 *time applid* The CSSF transaction is no longer supported. Please use CESF.

Explanation: A user has attempted to run the CSSF transaction. The CSSF transaction is only invoked internally by CICS for CRTE cancel processing.

System Action: The transaction terminates.

User Response: Use the CESF transaction to sign off.

Destination: Terminal End User

Module: DFHRTC

DFHRUxxxx messages

DFHRU2800I applid DFHRUP completed

Explanation: The recovery utility program has completed processing.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2801 applid I/O error reading the system log. DFHRUP terminates abnormally.

Explanation: An unidentified error has occurred during emergency restart while DFHRUP was attempting to read the system log.

System Action: CICS terminates abnormally with a system dump.

User Response: Examine the system log to check whether DFHRUP has encountered an EOF (end of file) marker before completing its backward read. This may be due to DFHRUP wrapping back round through the journal extents, possibly missing a syncpoint or an activity keypoint.

If DFHRUP has not encountered an EOF marker, investigate whether you have a physical tape or disk error.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2802 applid Log record invalid. DFHRUP terminates abnormally.

Explanation: The journal data set might contain no entries, or the journal record that was read was not part of the sequence of records associated with the last CICS execution that is undergoing an emergency restart. If this is a disk volume, a wraparound condition might have occurred, and insufficient data was collected to restart the system. (This normally occurs when insufficient space has been allocated on disk for the system log).

System Action: CICS is abnormally terminated with a dump.

User Response: Check that the correct journal volume has been mounted.

If this is a tape volume and DFHTEOF was not executed, execute DFHTEOF to locate end-of-file for the tape volume.

If this is a disk volume, check for tasks that have been in the system for longer than the time that records have been logged, but without issuing a syncpoint. Check that AKPFREQ is greater than zero in the SIT. If it is impossible to perform an emergency restart, specify START=COLD instead of START=AUTO or START=EMER.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2803 applid Failure detected on open of the system log. DFHRUP terminates abnormally.

Explanation: This message can arise from errors resulting from one of three macro calls to journal control issued by DFHRUP.

1. GETJCA,OPEN,VOL=FIRST.
 - The GETMAIN for JCA storage may have failed.
 - The initial open processing, which examines the log data sets to ascertain which is to be the current one, and then searches for the last written record, may have failed for some reason.
2. OPEN,INPUT,VOL=CURRENT.
 - The main open-for-input processing, which positions the log in preparation for reading by DFHRUP, has failed.
3. OPEN,INPUT,VOL=PREVIOUS.
 - The opening of the previously used data set has failed.

Possible reasons for the message are:

1. The system log has been reformatted since the last CICS run.
2. The last CICS run did not write an activity keypoint to the log because AKPFREQ was specified as zero.
3. During emergency restart, DFHRUP, reading the system log backward, reached the beginning of the data set, and tried to open another log data set, but none existed. (During the previous run, CICS logging wrapped round from the end of the log data set to its beginning.)
4. The CICS startup job stream does not include all the necessary data definition DD statements.
5. The emergency restart log (DFHJ01X) has not been pre-formatted with DFHJCJFP.

System Action: CICS is abnormally terminated with a dump.

User Response: Try to determine which of the macro calls was responsible for the message. You will probably need to refer to a dump and trace table in order to do this.

Locate the JCA, which will obtain request information and possibly a response code, and also the JCT entry for the log, for its status information. You may also need to print off the log data sets using DFHJUP to examine their contents.

If any of the reasons listed in the explanation apply, respond as shown below:

1. Cold start CICS.
2. If you wish emergency restart to be possible in future, change AKPFREQ to a non-zero value, and cold-start CICS.
3. To prevent a recurrence of this problem and the failure of a future emergency restart, increase the size of your log data set, or create a second one. Then cold-start CICS.
4. Add the missing DD statement(s) to the startup job stream, and retry emergency restart.
5. Format DFHJ01X with DFHJCJFP, and retry emergency restart.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2804 applid Unable to allocate storage. DFHRUP terminates abnormally.

Explanation: Storage was not allocated in response to the storage macro instruction.

System Action: CICS is abnormally terminated with a dump.

User Response: Increase the region size and re-run.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2805 *applid* Unrecoverable I/O error on the system log. DFHRUP terminates abnormally.

Explanation: An error occurred other than an end-of-file (EOF) or a read error on the system log volume.

System Action: CICS is abnormally terminated with a dump.

User Response: Re-run emergency restart.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2806 *applid* No storage available for TBO record. DFHRUP terminates abnormally.

Explanation: An attempt to allocate storage for the transaction backout (TBO) data area was unsuccessful.

System Action: CICS is abnormally terminated with a dump.

User Response: Increase the region size and re-run.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2807 *applid* Error occurred writing stats to transient data.

Explanation: The CICS recovery utility program (DFHRUP) did not get a normal response (NORESP) from a DFHTD TYPE=PUT macro issued to write statistics to the transient data destination, CSSL.

System Action: CICS terminates writing of statistical data, but emergency restart continues.

User Response: Inspect your destination control table (DCT) to find out which device CSSL is held on. Correct any problem that exists on that device. If statistical data is required, cancel emergency restart, and restart CICS when you have corrected the error.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2808 *applid* I/O error writing backout data to the restart data set. DFHRUP terminates abnormally.

Explanation: The program encountered an I/O error while writing the backout data records to the restart data set. This message is issued because the restart data set is full.

System Action: CICS is abnormally terminated with a dump.

User Response: Reallocate the restart data set to different extents or, if necessary, increase the size of the restart data set. The data set should be formatted as in a cold start.

If this message is issued during emergency restart, in order to allocate more space to the restart data set and still allow emergency restart, do the following:

1. Carry out a VSAM REPRO on DFHRSD.
2. Make the original restart data set larger using the DELETE/DEFINE procedure.
3. Use REPRO to reload the data into DFHRSD.

After this, START=AUTO should invoke emergency restart, or you can request emergency restart directly with START=EMER.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2809 *applid* I/O error writing control tables to the restart data set. DFHRUP terminates abnormally.

Explanation: The program encountered an I/O error while writing the control tables to the restart data set.

System Action: CICS is abnormally terminated with a dump.

User Response: Reallocate the restart data set to different extents, or, if necessary, increase the size of the restart data set. Format the data set as in a cold start.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2811 *applid* Recovery control restart failed

Explanation: The CICS recovery control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated with abend code ARCA.

System Action: CICS writes a transaction dump for the recovery control restart task. CICS then terminates abnormally with a system dump.

CICS sends two messages to the console, one to identify the error detected by the recovery control restart task, and one, DFHRU2811, to say that the task has failed. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Destination: Console

Module: DFHRCRP

XMEOUT Parameter: *applid*

DFHRU2812 *applid* Program DFHRCRP cannot be found

Explanation: The CICS recovery recontrol restart program (DFHRCRP) cannot be found.

CICS cannot find DFHRCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHRCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHRCP

XMEOUT Parameter: *applid*

DFHRU2814 *applid* I/O error on restart data set, VSAM return codes are RF=*nn*, FDBK=*mm*

Explanation: A VSAM error occurred while reading or writing to the restart data set. *nn* is the return code in register 15, and *mm* is the value of the feedback field in the request parameter list (RPL).

System Action: If this message occurs during shutdown, and CICS is restarted with START=AUTO, an emergency start will result.

DFHRU2815

User Response: For the meaning of the codes in the message, see the *VSAM Programmer's Guide* (SC26-3838).

Destination: Console

Module: DFHRCP

XMEOUT Parameters: *applid, nn, mm*

DFHRU2815 *applid* Program DFHUSBP cannot be found. User backout processing cannot be performed

Explanation: CICS is unable to do user backout processing because program DFHUSBP cannot be found. CICS cannot find DFHUSBP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHUSBP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHRCP

XMEOUT Parameter: *applid*

DFHRU2816 *applid* Exit program *progrname* is not available

Explanation: The user-defined global exit program, *progrname*, is

- not defined, or
- disabled, or
- missing from the program library.

System Action: CICS abnormally terminates the recovery control restart task with transaction abend ARCB. CICS then terminates abnormally.

User Response: Make program *progrname* available.

Destination: Console

Module: DFHRCEX

XMEOUT Parameters: *applid, progrname*

DFHRU2820I *applid* DFHRUP in progress

Explanation: This is an informational message and is issued when the CICS recovery utility program has begun execution.

System Action: CICS recovery processing continues.

User Response: None.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2821 *applid* Storage Allocation error. DFHRUP abnormally terminates.

Explanation: An error occurred on a Getmain call to the storage manager (SM) domain. The domain that detected the error will have provided an exception trace, a console message and, possibly, a system dump.

System Action: CICS is abnormally terminated with a system dump.

User Response: Refer to the related message from the domain that detected the original error. It will provide further information and guidance.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHRU2830 *applid* Unable to find the start of unit of work record on the system log for task *taskid*, transaction *transid* on terminal *termid*.

Explanation: The task *taskid* cannot be recovered completely because CICS cannot find the start of the unit of work record on the system log. This is normally caused by a system log wrap-around condition in which insufficient data is collected to restart the system. This occurs when:

- Insufficient space has been allocated on disk for the system log.
- A premature switch of the system log data sets has occurred.
- A task is waiting for an external event that is late.

System Action: Processing continues. This message is issued for each task that cannot be fully recovered. Message DFHRU2839 is then issued.

User Response: Make a note of the message details as they may be needed for a manual recovery of the task. See message DFHRU2839 for further guidance.

Destination: Console

Module: DFHRUP

XMEOUT Parameters: *applid, taskid, transid, termid*

DFHRU2831 *applid* Unable to find the committed output message record on the system log for terminal *termid*.

Explanation: The positive acknowledgement of a committed-output message to terminal *termid* was never received by CICS, and the message cannot be found on the system log. This is normally caused by a wrap-around condition in which insufficient data is collected to restart the system. This can occur when:

- Insufficient space has been allocated on disk for the system log.
- A premature switch of the system log data sets occurred.

System Action: Processing continues. Message DFHRU2839 is issued when recovery ends.

User Response: Make a note of the message details as they may be needed for a manual recovery of the message and terminal. See message DFHRU2839 for further guidance.

Destination: Console

Module: DFHRUP

XMEOUT Parameters: *applid, termid*

DFHRU2839D *applid* Emergency restart failed to complete. Do you wish to continue? Reply 'Yes' or 'No'.

Explanation: Emergency restart has not been successful for the reasons reported in one or more messages DFHRU2830 and DFHRU2831.

System Action: CICS waits for a reply to the message.

User Response: Reply either 'Yes' or 'No'.

- Reply 'Yes' if you are satisfied that the correct system log has been loaded and the number of reported recovery problems, through the DFHRU2830 and DFHRU2831 messages, is low. Replying 'Yes' can significantly reduce the amount of manual recovery that is needed.

If you choose 'Yes', all units of work that can be recovered completely are recovered, and all units of work that fail to recover completely, as reported by message DFHRU2830, are partially recovered if some data is available.

If an active DL/I record is found without a corresponding schedule record, the unit of work is not recovered and reported through the message DFHRU2830. If an active DL/I record is found including its corresponding schedule record, the unit of work is fully recovered. The net effect is that active DL/I units of work are either fully recovered or not recovered at all.

Consider completing the recovery of these manually by retrieving the records related to the reported messages from the archived system log tapes.

- Reply 'No' if you are not sure that the correct system log has been recovered, if there are a large number of individual recovery problems (reported in messages DFHRU2830 and DFHRU2831), or if you are unsure of the status of the system.

If you reply 'No', no transactions are recovered and message DFHRU2802 is issued after this one.

To reduce the chances of a recurrence of this problem consider the following:

- Syncpointing

A transaction can be partitioned into a sequence of units of work, where each unit of work delimits the resources to be recovered after a failure. This should be kept to a minimum by issuing more SYNCPOINT calls at appropriate points throughout the application program.

- The system initialization parameter AKPFREQ
Specifying AKPFREQ=0 in the SIT, switches keypointing off and causes an attempted recovery to fail every time.

- System log size

The system log should be large enough to hold all logged data that has been logged during the life of the oldest unit of work, extended if appropriate, by the time to receive all committed-output messages.

The system log should contain a complete activity keypoint.

Destination: Console

Module: DFHRUP

XMEOUT Parameter: *applid*

DFHSIxxxx messages

DFHSI0101 *applid* Storage error while restoring DWE warm start data.

Explanation: CICS was trying to create a deferred work element (DWE) that had been saved in the catalog during a previous warm keypoint. A call to the storage (SM) manager domain failed. DWE recovery is prevented.

System Action: CICS abends with a system dump.

User Response: Refer to the preceding SM domain message to determine the cause of the GETMAIN failure.

CICS should be either AUTO or COLD restarted.

Destination: Console

Module: DFHSI1

XMEOUT Parameter: *applid*

DFHSI0102 *applid* Error reading DWE warm start data.

Explanation: CICS was trying to create a deferred work element (DWE) that had been saved in the catalog during a previous warm keypoint. A call to retrieve the next DWE saved in the catalog failed. An implication of this message is that the catalog is corrupt.

System Action: CICS abends with a system dump.

User Response: Refer to the preceding catalog (CC) manager message to determine the cause of the error in catalog processing.

CICS should be COLD restarted because the catalog is unreliable.

Destination: Console

Module: DFHSI1

XMEOUT Parameter: *applid*

DFHSI0103 *applid* Error chaining a DWE onto a {LU6.1 | LU6.2} owner.

Explanation: CICS created a copy of a deferred work element (DWE) which was saved in the catalog during a previous warm keypoint. CICS then tried to chain it to the appropriate control block but failed because the control block could not be found. The restart did not produce all the necessary information for chaining to be successful.

If the DWE is an LU6.1 type, the owning control block is the TCTTE mentioned in the DWE.

If the DWE is an LU6.2 type, the owning control block is the unit of recovery descriptor (URD) number mentioned in the DWE.

System Action: CICS abends with a system dump.

User Response: CICS should be COLD restarted because WARM restart is unreliable.

Destination: Console

Module: DFHSI1

XMEOUT Parameters: *applid, {1=LU6.1, 2=LU6.2}*

DFHSI0104 *applid* Catalog error while restoring URDP warm start data.

Explanation: CICS was trying to read a URDP (unit of recovery descriptor pointer) that had been saved in the catalog at a previous warm keypoint.

A call to retrieve the next URDP saved in the catalog failed. An implication of this message is that the catalog is corrupt.

System Action: CICS abends with a system dump.

User Response: Refer to the preceding catalog (CC) manager message to determine the cause of the error in catalog processing.

CICS should be COLD restarted because the catalog is unreliable.

Destination: Console

Module: DFHSI1

XMEOUT Parameter: *applid*

DFHSI0105 *applid* Error locating terminal *tttt* for URDP processing.

Explanation: CICS was trying to rechain an URDP (unit of recovery descriptor pointer) element for terminal *tttt*. Terminal *tttt* could not be found.

System Action: CICS abends with a system dump.

User Response: CICS should be COLD restarted because the catalog is unreliable.

DFHSI0106

Destination: Console
Module: DFHSII1
XMEOUT Parameters: *applid, tttt*

DFHSI0106 *applid* Error terminal *tttt* has no LUC extension.

Explanation: CICS was trying to rechain an URDP (unit of recovery descriptor pointer) element for terminal *tttt*. Terminal *tttt* did not have a LUC extension.

System Action: CICS abends with a system dump.

User Response: CICS should be COLD restarted because the catalog is unreliable.

Destination: Console

Module: DFHSII1

XMEOUT Parameters: *applid, tttt*

DFHSI0914I *applid* Unable to initiate transaction CSFU. Files will not be opened at initialization.

Explanation: Module DFHSIJ1 could not start transaction CSFU. Execution of the DFHIC TYPE=INITIATE macro failed. Either CSFU is not an installed transaction definition, or DFHFCU is not an installed program definition.

System Action: CICS does not open any files at initialization time. If a file is defined in the file control table (FCT) to be opened at initialization time, CICS will open it on first reference.

User Response: Make transaction CSFU and program DFHFCU available for execution. Group DFHOPCLS in DFHLIST contains all of the definitions needed for file opening and closing (dynamically as well as at initialization time).

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1250 *applid* VSAM error processing SHOWCAT for intrapartition data set *dsetname* R15=xxxx.

Explanation: During SHOWCAT processing for the intrapartition data set, *dsetname*, VSAM detected an error and issued return code *xxxx*.

System Action: CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the return code in the *OS/VS VSAM Programmer's Guide*, and restart CICS.

Destination: Console

Module: DFHSD1

XMEOUT Parameters: *applid, dsetname, xxxx*

DFHSI1499 *applid* Unable to acquire special storage.

Explanation: As part of CICS initialization, an attempt is made to acquire an area of storage from the fetch-protected subpool. The attempt has been unsuccessful.

System Action: CICS terminates abnormally with a dump.

User Response: This error indicates a severe problem with your operating system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIB1
XMEOUT Parameter: *applid*

DFHSI1500 *applid* product Version *version* Startup is in progress.

Explanation: This is an informatory message indicating that CICS *product* startup is in progress.

System Action: System initialization continues.

User Response: None. This message cannot be suppressed.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid, product, version*

DFHSI1501I *applid* Loading CICS nucleus.

Explanation: This is an informatory message indicating that the CICS nucleus is being loaded.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIB1

XMEOUT Parameter: *applid*

DFHSI1502I *applid* CICS startup is {Cold | Warm | Emergency | Logterm}.

Explanation: During CICS initialization, the type of restart is determined and the operator notified by this message.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIC1

XMEOUT Parameters: *applid, {1=Cold, 2=Warm, 3=Emergency, 4=Logterm}*

DFHSI1503I *applid* Terminal data sets are being opened.

Explanation: This is an informatory message indicating that the terminal data sets are being opened.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1504 *applid* Error reading URD warm start control data.

Explanation: CICS was unable to read the URD (unit of recovery descriptors) warm start control information in the restart data set (DFHRSD). A message giving VSAM return codes usually precedes this message.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the problem in the restart data set. If you cannot correct the problem, you must do a cold start or an emergency restart.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1506 *applid* Unable to OPEN the global catalog.

Explanation: During initialization, CICS issued an OPEN for the global catalog DFHGCD data set, but the OPEN failed.

System Action: CICS terminates abnormally with a dump.

User Response: Examine the preceding VSAM message for the reason for the OPEN failure. Note that if you specify START=AUTO, or if you define your system with journal support, you must supply a global catalog data set in the JCL.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1508 *applid* Error reading AID warm start control data.

Explanation: CICS was unable to read the AID (auto initiate descriptors) warm start control information in the restart data set (DFHRSRSD). A message giving VSAM return codes usually precedes this message.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the problem in the restart data set. If you cannot correct the problem, you must perform a cold start or an emergency restart.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1509 *applid* Error reading ICE warm start control data.

Explanation: CICS was unable to read the ICE (interval control elements) warm start control information in the restart data set (DFHRSRSD). A message giving VSAM return codes usually precedes this message.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the problem in the restart data set. If you cannot correct the problem, you must perform a cold start or an emergency restart.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1510I *applid* Journal control subtask is being attached/entered.

Explanation: This is an informatory message indicating that the journal control OPEN/CLOSE operating system subtask is being attached.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIH1

XMEOUT Parameter: *applid*

DFHSI1511I *applid* Installing group list *grplist*.

Explanation: Group list *grplist* is being installed.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSI11

XMEOUT Parameters: *applid, grplist*

DFHSI1513 *applid* CICS checking for TCAM MCP.

Explanation: CICS is checking for the presence of a TCAM MCP region during CICS initialization.

System Action: This message is issued three times with a time interval of ten seconds. If the TCAM MCP is still not available, message DFHSI1520 is issued.

User Response: None.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1514I *applid* DL/I initialization started.

Explanation: This is an informatory message indicating that Data Language/I (DL/I) initialization has started.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIH1

XMEOUT Parameter: *applid*

DFHSI1516I *applid* Opening journal data sets.

Explanation: This is an informatory message indicating that the journal data sets are being opened.

System Action: System initialization continues.

User Response: You can suppress this message with the SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHRCRP

XMEOUT Parameter: *applid*

DFHSI1517 *applid* Control is being given to CICS.

Explanation: This is an informatory message indicating that control is being given to CICS.

applid is the VTAM APPLID of the CICS system issuing the message.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1518 *applid* No control record on global catalog data set. Cold start forced.

Explanation: There was no control record on the global catalog data set. This should only happen when the global catalog data set is used for the very first time.

System Action: CICS initialization continues.

User Response: If the global catalog data set is being used for the very first time this message is to be expected. However if the global catalog data set should contain information from a previous CICS execution then CICS should be canceled and the reason for the discrepancy investigated.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1519I *applid* The interregion communication session was successfully started.

Explanation: This is an informatory message indicating that the interregion communication (IRC) session has been successfully started.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1520 TCAM MCP NOT CURRENTLY AVAILABLE. REPLY 'RETRY' OR 'CANCEL' OR 'CONT'

Explanation: During initialization, CICS discovered that the TCAM message control program (MCP) was required, but was not operational.

System Action: The system waits for a response.

User Response: The operator can respond with 'RETRY' (when the TCAM region becomes active), 'CANCEL' (to terminate CICS), or with 'CONT' (to proceed with CICS initialization without the TCAM MCP).

All DD statements that refer to a TCAM queue must be removed from the startup job stream before a reply of 'CONT' is given, otherwise an ABEND occurs.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSIF1

DFHSI1521 *applid* CICS unable to continue for reasons given above.

Explanation: CICS initialization cannot continue because of one or more serious errors. One or more preceding messages describe these errors.

System Action: CICS terminates with a dump.

User Response: Refer to any preceding messages for further guidance on what the problems may be and how to solve them. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1522D *applid* Restart errors reported above. Reply 'GO' or 'CANCEL'.

Explanation: One or more error messages precede this message. CICS can continue initialization but only in degraded mode.

System Action: Depending on your response to this message, CICS terminates or continues initialization in degraded mode.

User Response: Consider the reported errors and their effects, and decide if you want CICS to continue in degraded mode. If you do, reply 'GO'. If you do not, then reply 'CANCEL'. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1525 *applid* Control record on DFHGCD data set invalid.

Explanation: CICS is unable to read the control record from the global catalog.

This message is also issued if the system log data set is missing from the job control table (JCT).

System Action: CICS terminates with a dump.

User Response: If the system log data set is missing, generate the system log data set, and attempt an emergency restart.

If the system log data set is not missing, or if emergency restart fails, perform a cold start.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1526D *applid* Emergency restart. JCL gives tape *valid* as *syslog* - Reply 'GO' or tape volume id.

Explanation: For an explicit emergency restart, the JCL specified the volume *valid*.

System Action: Use the given volume as the latest log tape.

User Response: If this is the correct volume, reply 'GO', otherwise type the correct volume serial number and, if necessary, mount the correct tape.

Destination: Console

Module: DFHSIB1

XMEOUT Parameters: *applid, valid*

DFHSI1527 *applid* Cannot open DFHGCD data set. Cold start will be forced when CICS restarted.

Explanation: During a cold start, CICS could not open the global catalog. This may be because no global catalog is defined in the startup job stream, or because of a VSAM error (see preceding VSAM error message). Since CICS cannot write to the global catalog, only a cold start will be possible when you next bring up CICS.

System Action: CICS initialization continues.

User Response: If this CICS run terminates abnormally, you will not be able to do an emergency restart. If this is an acceptable risk, allow CICS to continue, otherwise cancel CICS and restart with a usable global catalog defined in the job stream.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1528 *applid* **CSA record on DFHGCD data set invalid.**

Explanation: CICS attempted to read the common system area (CSA) warm start control record from the global catalog but found it to be invalid.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: Perform an emergency restart.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1529 *applid* **Duplicate series DFHJddb ignored**

Explanation: The journal control table (JCT) contains two or more entries with the same JFILEID value, for standard-labeled tapes. DFHJddb shows the name of the series, where *dd* is the journal number of the JCT entry giving rise to it.

System Action: Initialization continues, but only the first of the duplicated entries is acted on by volume management.

User Response: Correct the error in the JCT.

Destination: Console

Module: DFHRCRP

XMEOUT Parameters: *applid, ddbb*

DFHSI1530 *applid* **Purge of non-executable ATI request inoperative.**

Explanation: CICS is unable to initiate the CRSQ task to delete automatic transaction initiation (ATI) requests from the system when those requests are not honored for longer than the ATI purge delay interval.

System Action: System initialization continues.

User Response: If ATI purge is required, ensure that the CRSQ task is available next time CICS is initialized.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1531 *applid* **Terminal control incompatibility. macro VTAM return code: *retcode* error code: *errcode* (modname: DFHZRPL).**

Explanation: CICS found an inconsistency during the initialization of terminal control.

macro is the name of the failing VTAM macro.

retcode is the VTAM hexadecimal return code in Register 15.

errcode contains the contents of Register 0, which is the associated error code in hexadecimal.

Refer to the *ACF/VTAM Programmer's Reference* manual for a complete description of the VTAM return code *retcode* and the VTAM error code *errcode*.

The probable cause of this inconsistency is that VTAM=YES was specified (perhaps by default) in the SIT, but the VTAM macros GENCB and SHOWCB are not available.

System Action: After issuing this message, CICS system initialization abnormally terminates with a system dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VTAM return code and error code to determine the cause of failure in the VTAM macro *macro*. Correct the error using the *ACF/VTAM Programmer's Reference* manual, and restart CICS.

Destination: Console

Module: DFHZRPL

XMEOUT Parameters: *applid, macro, retcode, errcode*

DFHSI1533 *applid* **modname loaded at X'address'.**

Explanation: This is an informatory message indicating that CICS has loaded module *modname* at address *address*.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid, modname, address*

DFHSI1534 *applid* **Unable to link to program DFHAMP - GRPLIST parameter ignored.**

Explanation: The DFHAMP program cannot be found on the load library. The GRPLIST parameter cannot be processed and so is ignored.

System Action: System initialization continues.

User Response: Ensure that the DFHAMP program is on the load library.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1535 *applid* **Severe error detected in DFHAMP - CICS is terminating.**

Explanation: A severe error was detected while the GRPLIST parameter was being processed.

System Action: A dump is provided and CICS is terminated.

User Response: This is most probably a logic error in DFHAMP. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1536D *applid* **GRPLIST *grplist* does not exist. Enter alternative name, 'GO' or 'CANCEL'.**

Explanation: Group list *grplist* cannot be found on the CSD file.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you reply GO, CICS ignores the specified GRPLIST and tries to install the next one. If you specify a valid list name, CICS initialization continues and the list is installed.

User Response: Enter 'GO', 'CANCEL' or a valid GRPLIST.

Destination: Console

Module: DFHSII1 .

XMEOUT Parameters: *applid, grplist*

DFHSI1537D *applid* GRPLIST *grplist* does not exist. Enter alternative name or 'CANCEL'.

Explanation: Group list *grplist* cannot be found on the CSD file.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you specify a valid list name, CICS initialization continues and the list is installed.

User Response: Enter 'CANCEL' or a valid GRPLIST.

Destination: Console

Module: DFHSI11

XMEOUT Parameters: *applid, grplist*

DFHSI1538D *applid* Install GRPLIST Errors. Is startup to be continued - Enter 'GO' or 'CANCEL'.

Explanation: Errors have been detected in DFHAMP while installing GRPLIST during CICS initialization. Accompanying messages describe the nature of the errors.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you reply GO, CICS initialization continues.

User Response: See the associated messages for further information about these errors. Reply with GO or CANCEL.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1539 *applid* Error attaching the CESC (Terminal Timeout) transaction.

Explanation: The CESC transaction failed to start during initialization of an alternate XRF region. Although CICS continues to initialize, terminals left signed on after the takeover are not timed out.

System Action: A dump is produced and CICS continues initialization.

User Response: Use the dump to investigate why the transaction could not be started. It may be that the system was short on storage or that the transaction has been disabled.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1543 *applid* Time-Of-Day clock inoperative.

Explanation: System initialization was unable to establish the time-of-day clock values for CICS.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: The time-of-day clock is external to CICS execution and may have been disabled. Enable the time-of-day clock and restart CICS.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1545 *applid* Unable to OPEN ACB for restart data set.

Explanation: CICS issued an OPEN for the restart data set but the OPEN failed.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: Examine the preceding VSAM message for the reason for the OPEN failure.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1546 *applid* Control record on DFHGCD data set invalid.

Explanation: CICS attempted to read the control record from the global catalog but found it to be invalid.

System Action: CICS is terminated abnormally and a dump is provided.

User Response: Perform a cold start.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1549 *applid* Logic error when building TCT module list.

Explanation: Either the format of the modules DFHZCA, ZCB, ZCP, ZCW, ZCX, ZCY, ZCZ and ZCXR was not as expected, or the TCT was generated incorrectly.

System Action: CICS is abnormally terminated and a dump is provided.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Possible reasons for this message are:

1. The modules listed were generated without VTAM facilities, but the system initialization table (SIT) specifies VTAM=YES.
2. The TCT does not include ACCESSMETHOD=VTAM, but the system initialization table (SIT) specifies VTAM=YES.
3. The entry points of the listed modules are incorrect.
4. The module list in each of the listed modules is incorrect.

If reason 1 or 2 applies, correct the error. Otherwise, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1550 *applid* A severe error has occurred while making a domain domain call with response (X'response) and reason (X'reason).

Explanation: An unexpected error was returned from the specified domain. The response and reason codes are given.

System Action: A system dump is taken, unless the failing domain has previously taken diagnostics.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system administrator. This failure indicates a serious error in CICS.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSI1

XMEOUT Parameters: *applid, domain, X'response', X'reason'*

DFHSI1551 *applid* The CICS region userid *userid* is not authorized to use the PLTPIUSR parameter *userid*. Initialization cannot continue, so CICS is terminated.

Explanation: The userid specified in the job control statements for the CICS region is not authorized to use the userid specified in the PLTPIUSR system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure that the correct userid is specified for PLT processing.

Ensure that the userid for the CICS region has the necessary authorization. This may require the assistance of a security administrator.

When the necessary corrections have been made rerun the CICS job.

Destination: Console

Module: DFHSI1

XMEOUT Parameters: *applid, userid, userid*

DFHSI1552 *applid* Userid *userid* specified for the PLTPIUSR parameter has not been defined correctly to the external security manager (ESM). SAF codes are (*X'safresp',X'safreas'*). ESM codes are (*X'esmresp',X'esmreas'*).

Explanation: The userid specified for the PLTPIUSR initialization parameter has been defined incorrectly.

System Action: CICS terminates abnormally with a dump.

User Response: Ensure that the desired userid is specified for PLT processing and that external security manager (ESM) definitions have been specified correctly.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Correct the errors and restart CICS.

Destination: Console

Module: DFHSI1

XMEOUT Parameters: *applid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSI1556 *applid* SKRP {A | F}x disabled due to extension of PGRET value.

Explanation: The new PGRET value supplied as an initialization option has caused all the single-key retrieval values to be rebuilt. The value shown in the message exceeds 16 bytes. *x* can be a value 1 through 3 for A and 1 through 12 for F.

System Action: The key given in the message (PA1-PA3 and PF1-PF12 respectively) is disabled.

User Response: If it has been specified (by PARM) that initialization overrides can be entered by means of the console, the opportunity will be given to re-enter the PGRET and/or the SKRxxxxx initialization option.

Destination: Console

Module: DFHPASY

XMEOUT Parameters: *applid, {1=A, 2=F}, x*

DFHSI1558 *applid* Program *progname* cannot be found.

Explanation: Program *progname* is essential for CICS to initialize correctly, but was not defined in a group referenced by the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the program is defined in a group referenced by the group list specified in the startup job stream.

Destination: Console

Module: DFHSI1

XMEOUT Parameters: *applid, progname*

DFHSI1559 *applid* Profile DFHCICSE cannot be found.

Explanation: The DFHCICSE profile is essential for CICS to initialize correctly. However it was not defined in the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the DFHCICSE profile is defined in the group list specified in the startup job stream. A definition of DFHCICSE is provided in the DFHSTAND group on the CICS system definition (CSD) file.

Destination: Console

Modules: DFHXCPA, DFHSI1

XMEOUT Parameter: *applid*

DFHSI1560 *applid* Time-Of-Day clock inoperative.

Explanation: System initialization was unable to establish the time-of-day clock values for CICS.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: The time-of-day clock is external to CICS execution and may have been disabled. Enable the time-of-day clock and restart CICS.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1561D *applid* Startup time earlier than shutdown time.
Reply 'WAIT' or 'CANCEL'.

Explanation: CICS is being warm started. The time-of-day clock value for startup is compared with the time-of-day clock value recorded for the previous warm shutdown. The two values differ by more than 15 seconds. Note that:

1. Various resources managers rely on the time-of-day clock value being non-decreasing.
2. The problem can only occur if CICS had been running on one CEC and is being restarted on a different CEC.

System Action: If the response is 'CANCEL', CICS is abnormally terminated and a dump is provided. If the response is 'WAIT', CICS startup will be delayed for up to 15 seconds after which the time-of-day clock values will be compared once again.

User Response: The time-of-day clocks must be synchronized across all CECs that may be used for CICS. If this is not done then the effect on CICS is that:

1. Takeover may be delayed if START=STANDBY is specified on the SIT.
2. Unpredictable errors may occur if CICS is emergency started.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1562 *applid* Unable to initialize application domain statistics.

Explanation: During CICS initialization, an error was detected while the application domain (AP) statistics control module, DFHSI11, was being initialized. This could indicate a problem with the AP component of CICS.

System Action: An exception trace entry is made in the trace table and CICS terminates abnormally with a system dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error may have occurred because of an earlier error detected by the kernel (KE) domain of CICS. Look for earlier messages from the KE domain beginning DFHKExxxx, CICS trace table entries with the prefix KE and a dump. These indicate the type of error and the action that should be taken.

If no earlier error is detected by the KE component, DFHSI11 makes an exception entry in the trace table (id=X'0700') and terminates CICS abnormally with code=1562 and with a system dump. In this case you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1563 *applid* System log entry not present in JCT.

Explanation: No entry was found in the JCT for the system log. One is required because either:

1. DLI was requested (DLI=YES).
2. An emergency restart is required.

System Action: A dump is provided, and CICS is terminated.

User Response: The user response depends on the reason the message was issued (refer to the numbers in **Explanation**):

1. Supply a system log entry.
2. Supply a system log entry and the correct log to perform the emergency restart, or
Specify START=COLD as databases may now be out of synchronization.

Destination: Console

Module: DFHSIB1

XMEOUT Parameter: *applid*

DFHSI1564 *applid* Program DFHSTP failed.

Explanation: During emergency restart, a CANCEL reply was entered to message DFHSI1588. The CICS system initialization program linked to the system termination program, which should have terminated CICS, but, instead, it returned control to the system initialization program.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1565 *applid* Program DFHSTP cannot be found.

Explanation: During CICS initialization, a user CANCEL request was issued, but the CICS system termination program could not be found.

CICS cannot find DFHSTP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHSTP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1566 *applid* Unable to establish JCT entries.

Explanation: During system initialization, CICS has detected errors when trying to establish the JCT entries from the CICS catalog in the restart data set.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the CICS catalog and the journal control table (JCT).

Destination: Console

Modules: DFHSIC1, DFHJCRP

XMEOUT Parameter: *applid*

DFHSI1572 *applid* Unable to OPEN VTAM ACB - RC=xxxxxxx
ACB Code=yy.

Explanation: An error was encountered during system initialization while attempting to open the VTAM ACB. RC=xxxxxxx is the VTAM error code found in Register 15. yy is the hexadecimal contents of the ACB.

System Action: CICS initialization continues.

User Response: Refer to the *ACF/VTAM Programmer's Reference* for a complete description of the values of the ACB error field and the return code.

Use the values and the return code to determine the cause of the problem.

Decide whether to cancel or to continue. (This message appears if you bring up CICS before you bring up VTAM.)

If you want to use VTAM terminals in this CICS run, you must activate VTAM. You can open the VTAM ACB with the CEMT SET VTAM OPEN command.

Destination: Console

Module: DFHSIF1

XMEOUT Parameters: *applid, xxxxxxxx, yy*

DFHSI1573 *date time applid* Terminal Control is unavailable due to an unsupported access method.

Explanation: ACB/TCAM, and releases of VTAM prior to version 3, are not supported by this release of CICS.

System Action: CICS terminates with a system dump.

User Response: Update your access method.

Destination: Console

Module: DFHZSLS

XMEOUT Parameters: *date, time, applid*

DFHSI1574 *applid* TCTUA Subpool not added in DFHZRPL. CICS initialization cannot continue.

Explanation: An attempt to add a subpool by the storage manager has failed. Module DFHZRPL has failed in an attempt to add a subpool for use by the TCTUA's associated with non-VTAM terminals. Since it is necessary to have the subpool present for use when needed, this is a serious error.

System Action: The initialization of the CICS system which tried to perform the addition of the subpool abends. If it was not able to add the subpool, then CICS is not able to execute properly.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZRPL

XMEOUT Parameter: *applid*

DFHSI1575 *applid* Getmain failed for TCTUA subpool in module DFHZRPL. CICS initialization cannot continue.

Explanation: The module DFHZRPL has failed in an attempt to GETMAIN an area of storage for use by the TCTUA subpool. This subpool has already been added but no storage yet exists for it. This is a serious error.

System Action: As a result of the GETMAIN failure so early in the initialization sequence, it is not possible to continue the CICS initialization. The CICS system which tried and failed to perform the GETMAIN terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZRPL

XMEOUT Parameter: *applid*

DFHSI1576 *applid* Unable to find VTAM ACB.

Explanation: An error was encountered during system initialization while attempting to find the VTAM ACB.

System Action: CICS continues to initialize, but VTAM is not available.

User Response: If you do not require VTAM support, this message can be ignored.

If you have VTAM installed on your system, check that VTAM=NO has not been specified as a system initialization parameter. If VTAM=YES is specified, investigate why VTAM is not currently available on your system.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1578D *applid* PLTPI specified cannot be found. Reply 'GO' or 'CANCEL'.

Explanation: The post-initialization program list table (PLTPI) cannot be found because the PLT does not exist in the CICS program library.

System Action: If the response is 'CANCEL', CICS is terminated. If the response is 'GO', processing continues without PLT processing.

User Response: Respond 'GO' or 'CANCEL'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI1579D *applid* Module *modname* - PLT program *progname* not found. Reply 'GO' or 'CANCEL'.

Explanation: This message indicates that a program defined in the post-initialization program list table (PLTPI) cannot be found. If the message is produced during the first PLT phase in initialization (DFHSIT1), then the program does not exist in the CICS program library.

If the message is produced during the post-initialization PLT phase (DFHSIJ1), then the program was either not an installed program entry or was not found in the CICS program library.

DFHSI1580

modname indicates which of the modules issued the message.
progrname is the name of the program which cannot be found.

System Action: If the response is 'CANCEL', CICS is terminated.
If the response is 'GO', the program is bypassed.

User Response: Reply 'CANCEL' or 'GO'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, modname, progrname*

+ **DFHSI1580** *applid* **PLTPI program *program-name* has abended, code *abcode*. Reply 'GO' or 'CANCEL'.**

Explanation: CICS was processing the initialization program list table (PLT) when the PLT *program-name* abended with abend code *abcode*

+ **System Action:** If the response is 'CANCEL', CICS is terminated.
+ If the response is 'GO', the program is bypassed.

+ **User Response:** Reply 'GO' or 'CANCEL'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, program-name, abcode*

DFHSI1581 *applid* **Journaling specified, but initialization programs not present**

Explanation: The system initialization table (SIT) specifies journaling, but the journal initialization programs do not exist as installed program definitions.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the error and restart CICS. You can generate all the required transaction and program entries for journaling by installing the CICS-supplied group, DFHJRNL (using resource definition online (RDO)).

Destination: Console

Module: DFHRCRP

XMEOUT Parameter: *applid*

DFHSI1584 *applid* **System log positioning subtask attach failure.**

Explanation: System initialization attempted to attach the CICS subtask that positions the system log (DFHTEOF), but the ATTACH was unsuccessful. The most probable reason for the ATTACH failure is that the maximum number of subtasks allowed has been exceeded. The maximum number of subtasks allowed is 15.

System Action: A dump is provided, and CICS is abnormally terminated.

User Response: Check that the maximum number of subtasks has not been exceeded. Correct the error, and restart CICS.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1585 *applid* **System log positioning subtask abend**

Explanation: During emergency restart, the CICS subtask that repositions the system log tape (DFHTEOF) has abnormally terminated.

System Action: A dump is provided, and CICS is abnormally terminated.

User Response: If possible, correct the error and restart CICS, otherwise cold start CICS.

Destination: Console

Module: DFHRCRP

XMEOUT Parameter: *applid*

DFHSI1586 *applid* **Recovery utility program not present**

Explanation: During emergency restart, the system initialization program (SIP) could not find the recovery utility program (DFHRUP).

System Action: A dump is provided, and CICS is abnormally terminated.

User Response: Ensure that DFHRUP is in the CICS program library, otherwise cold start CICS.

Destination: Console

Module: DFHRCRP

XMEOUT Parameter: *applid*

DFHSI1587 *applid* **Unable to link to program DFHAKP.**

Explanation: CICS was unable to link to the activity keypoint program (DFHAKP) when attempting to take the initial keypoint for a CICS execution. In general DFHAKP will be missing from the data sets concatenated in the DFHRPL DD statement.

Other possible reasons for this error are:

- The dynamic storage area (DSA) is not large enough.
- Group DFHAKP is not included in the current group list.
- DFHLIST is not installed as a group in the group list.

System Action: CICS terminates abnormally with a dump.

User Response: Ensure that DFHAKP is in the data sets concatenated in the DFHRPL DD statement.

If it is already present, then check that the DSA is large enough. Increase the DSA size if it is too small.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHSI1588D *applid* **Is startup to be continued? Reply 'GO' or 'CANCEL'.**

Explanation: This message can appear after completion of emergency restart, or when an error occurs during CICS startup.

System Action: If you reply 'GO', CICS continues initialization. If you reply 'CANCEL', CICS either shuts down normally if emergency restart has completed, or terminates abnormally with a dump if an error has occurred during initialization.

User Response: Reply 'GO' or 'CANCEL'.

Destination: Console

Module: DFHSI11

XMEOUT Parameter: *applid*

DFHS11589D *applid* VTAM is not currently active.

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM is not active.

System Action: If this is an alternate system, CICS waits for 15 seconds and retries the OPEN indefinitely.

If this is not an alternate system, CICS proceeds with the rest of initialization. The Open VTAM Retry transaction COVR is attached, and retries the OPEN every 5 seconds for ten minutes.

User Response: In the case of an alternate, check that VTAM is on its way up. If it is not, you can cancel this alternate.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHS11590 *applid* XRF alternate cannot proceed without VTAM.

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB). The ACB error code may be found in the preceding message DFHS11572.

System Action: CICS is terminated with a dump.

User Response: Refer to DFHS11572 and use the information to try and resolve the causes of the errors.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHS11592 *applid* CICS *applid* not (yet) active to VTAM.

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM does not recognize the APPLID (VTAM error X'5A'). There may be a user error in the value of APPLID (for example, on a SIT override) or the application subarea containing APPLID may not be active in VTAM. Alternatively, it may be possible that VTAM is still coming up. If so, the problem may correct itself when VTAM completes its initialization.

System Action: If this is an alternate CICS, wait for 15 seconds and retry the OPEN indefinitely. If this is not an alternate, CICS proceeds with the rest of initialization.

User Response: In the case of an alternate, check that VTAM is on its way up. If it is, check that the required application sub-area is active in VTAM. If it is, you may cancel this alternate. If this is not an alternate, you can use CEMT to retry the OPEN when CICS has initialized.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHS11594 *applid* A *xxxx* version of module *programe* is being loaded.

Explanation: The system is loading a version of module *programe* that was assembled for CICS release *xxxx*.

System Action: System initialization continues.

User Response: Ensure that it is valid to use an old version of module *programe*. Usually, it will be necessary to reassemble the module for the current release of CICS.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid*, *xxxx*, *programe*

DFHS11596 *applid* Nucleus module *programe* cannot be located.

Explanation: Nucleus module *programe* was not found in the CICS library while loading the nucleus.

System Action: The AP domain initialization routines continue to attempt to load the remaining nucleus modules. After trying to load all the nucleus modules, CICS is terminated with a dump.

User Response: Add the missing module *programe* to the appropriate library and restart CICS.

Destination: Console

Modules: DFHAPSIP, DFHSID1

XMEOUT Parameters: *applid*, *programe*

DFHS11597 *applid* VTAM=YES invalid with a non VTAM TCT - VTAM=NO forced.

Explanation: The TCT loaded has not been assembled with ACCESSMETHOD=VTAM but VTAM=YES was specified on the SIT.

System Action: CICS continues but without VTAM support.

User Response: To use VTAM, assemble the TCT with ACCESSMETHOD=VTAM or use the CICS supplied TCT which has a suffix of DY.

Destination: Console

Module: DFHZINT

XMEOUT Parameter: *applid*

DFHS11598 *applid* DL/I initialization failure, RC=*retcode*{. |, Subcode=*xx*).

Explanation: IMS/DB (DL/I) was unable to initialize. RC=*retcode* indicates the return code from DL/I initialization in register 15. SUBCODE=*xx*, if given, indicates an invalid return from an IMS/DB (DL/I) initialization module. Its value indicates the IMS/DB module responsible for the invalid return code as follows:

Subcode RC

X'0'	X'10'	CICS has been started with the SIT option DLI=REMOTE specified, but local DL/I PSBs exist in the PDIR.
X'0'	X'14'	DBRC Support was requested but journaling is not active.
X'0'	X'18'	DBRC Support was requested but there is no system journal defined in the JCT.
X'0'	X'1C'	DBRC Support was requested but the system journal has been defined to use unlabeled tapes in the JCT.
X'0'	X'20'	DL/I Support was requested but journaling is not active.
X'0'	X'24'	Unable to create the storage subpool for the DL/I Data Management Blocks (DMBs). This is probably a CICS internal

logic error.

X'0'	X'28'	Unable to create the storage subpool for the DL/I Program Specification Blocks (PSBs). This is probably a CICS internal logic error.
X'4'	X'nn'	IMS/DB module DFSBBLD0 has returned with R15 = X'nn'
X'8'	X'nn'	IMSAUTH FUNC = BLDSSCT has returned with R15 = X'nn'
X'C'	X'nn'	IMS/DB module DFSIIND0 has returned with R15 = X'nn'

System Action: A CICS abend dump is produced, and CICS is terminated.

User Response: Correct the error, or restart without DL/I.

Subcode RC

X'0'	X'10'	Either provide a PSB directory with no local databases, or regenerate CICS with DLI='IMS level string'. See the <i>CICS/ESA Customization Guide</i> .
X'0'	X'14'	Add support for journaling, ensuring that the system journal is defined in the JCT.
X'0'	X'18'	Define the system journal in the JCT.
X'0'	X'1C'	Define the system journal to use standard labeled tapes in the JCT.
X'0'	X'20'	Add support for journaling, ensuring that the system journal is defined in the JCT.
X'0'	X'24'	Keep the dump and contact your IBM Support Center.
X'0'	X'28'	Keep the dump and contact your IBM Support Center.
X'4'	X'nn'	Check that the DL/I data management blocks (DMBs) and program specification blocks (PSBs) have been generated correctly.
X'8'		Check that the DMB and PSB directories (DFHDMB and DFHPSB) have been generated correctly. See relevant IMS/VS manuals for any IMS/VS messages (DFSnnnn) produced.

Destination: Console

Module: DFHSIH1

XMEOUT Parameters: *applid*, *retcode*, {1=, 2=, *Subcode*=}, *xx*

DFHSI1599 *applid* **Region/Partition size insufficient to initialize transient data.**

Explanation: Transient data initialization failed, either because an attempt to create Storage Manager subpool failed or because an attempt to get storage failed.

System Action: A system dump is produced, and CICS is abnormally terminated.

User Response: Increase the region size available to CICS.

Destination: Console

Module: DFHSID1

XMEOUT Parameter: *applid*

DFHSI2810 *applid* **CANCEL reply received. CICS is terminating.**

Explanation: A CANCEL reply has been received.

System Action: CICS terminates.

User Response: Refer to previous messages to determine what action to take.

Destination: Console

Modules: DFHSII1, DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI2813 *applid* **Program DFHRCEX cannot be found.**

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS initialization terminates with a dump.

User Response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI8420I *applid* **About to link to PLT programs during the second stage of initialization.**

Explanation: CICS is about to link to the user PLT programs defined in the PLTPI system initialization parameter during the second stage of initialization.

System Action: Control is passed to the user PLT programs.

User Response: None.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8424I *applid* **Control returned from PLT programs during the second stage of initialization.**

Explanation: Control is returned to CICS to continue system initialization.

System Action: Control is returned to CICS.

User Response: None.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8430I *applid* About to link to PLT programs during the third stage of initialization.

Explanation: CICS is about to link to the user PLT programs defined in the PLTPI SIT parameter during the third stage of initialization.

System Action: Control is passed to the user PLT programs.

User Response: None.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8434I *applid* Control returned from PLT programs during the third stage of initialization.

Explanation: Control is returned to CICS to continue system initialization.

System Action: Control is returned to CICS.

User Response: None.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI9000I *applid* CICS system initialization is complete.

Explanation: CICS has successfully completed its initialization and is ready for use by applications.

System Action: Processing continues.

User Response: None. This message is for information only. This message cannot be suppressed.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSKxxxx messages

DFHSK1101I *applid* General purpose subtask terminated abnormally - system code - *xxxx*

Explanation: A subtask attached by DFHSKP has completed abnormally.

System Action: CICS continues in degraded mode.

User Response: Find out why the subtask failed. *xxxx* is the operating system completion code.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, xxxx*

DFHSK1102I *applid* Unable to attach general purpose subtask - system code - *xxxx*

Explanation: DFHSKP has attempted to attach an operating system subtask. The ATTACH has failed.

System Action: CICS continues in degraded mode.

User Response: Find out why the attach failed. *xxxx* is the operating system completion code.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, xxxx*

DFHSK1103I *applid* ESTAE macro failed in general purpose subtask - RC=*xxxx* decimal

Explanation: A general purpose subtask issued an MVS ESTAE macro. *xxxx* is the nonzero response from MVS.

System Action: CICS continues in degraded mode.

User Response: Find out why the macro failed (this is a failure in MVS). Response code is output with the message.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, xxxx*

DFHSK1104I *applid* General purpose subtask terminated because error threshold has been reached

Explanation: A general purpose subtask has failed several times while executing its own code. CICS has terminated the task.

System Action: CICS continues in degraded mode.

User Response: Find out why the subtask failed.

Destination: Console

Module: DFHSKP

XMEOUT Parameter: *applid*

DFHSK1106I *applid* Unable to authorize a general purpose subtask - RC=*nn*

Explanation: The CICS subtask program issued the CICS SVC to CICS authorize the TCB of an MVS subtask. The SVC returned the error response code *nn*. The possible values of *nn* and their meanings are:

<i>nn</i>	Meaning
01	SVC service is not authorized.
02	Load of DFHASV failed.
03	Internal error in CICS SVC.
04	Internal error in CICS SVC. RB check failed.
10	DFHAUTH TYPE=CHECK macro failed.
14	Invalid TCB address passed to DFHASV.
18	DFHAUTH TYPE=subtask AFCB storage failed.
1C	GETMAIN for subtask AFCB storage failed.
20	Main task AFCB version is pre-CICS 1.7.
24	Main task AFCB version is too large for the SVC version in use.
Other	The SVC has not been defined and installed as described in the <i>CICS/ESA Installation Guide</i> .

System Action: CICS continues. The CICS SVC may fail again if reinvoked by a general purpose subtask.

User Response: Use the response code in the message to determine the cause of the failure.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, nn*

DFHSMxxxx messages

DFHSM0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMAD, DFHSMAR, DFHSMCK, DFHSMMDM, DFHSMGF, DFHSMCCI, DFHSMCC2, DFHSMMF, DFHSMMG, DFHSMPPQ, DFHSMPP, DFHMSR, DFHSMST, DFHMSU, DFHMSY,

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHSM0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMAD, DFHSMAR, DFHSMCK, DFHSMGF, DFHSMCC2, DFHSMCI, DFHSMCC2, DFHSMMF, DFHSMPPQ, DFHSMPP, DFHSMSCP, DFHMSR, DFHSMST, DFHMSU, DFHMSY

XMEOUT Parameters: *applid, X'code', modname*

DFHSM0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMCI, DFHSMST

XMEOUT Parameters: *applid, X'offset', modname*

DFHSM0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscod.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscod* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. You can vary the CICS DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command. To increase the MVS region size you must bring CICS down and change the MVS JCL REGION parameter.

Destination: Console

Module: DFHSMDM.

XMEOUT Parameters: *applid, X'code', modname, mvscod*

DFHSM0102 *applid* **A storage violation (code X'code') has been detected by module modname.**

Explanation: A storage violation has been detected by module *modname*. The code X'code' is the exception trace point ID which uniquely identifies the type of storage violation.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRVCY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

For more information about X'code', see the *CICS/ESA Problem Determination Guide*.

Destination: Console

Modules: DFHSMAR, DFHSMCK, DFHSMGF, DFHSMC2, DFHSMMF

XMEOUT Parameters: *applid, X'code', modname*

DFHSM0103 *applid* **A storage violation (code X'code') has been detected by the storage violation trap. Trap is now inactive.**

Explanation: A storage violation has been detected by the storage violation trap, which may be enabled via the CHKSTK or the CHKSTRM system initialization parameters or via the CSFE transaction. The code *code* is the exception trace point ID which uniquely identifies the type of storage violation detected.

System Action: CICS disables the storage violation trap. An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRVCY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Note: Even if CICS is able to repair the storage, the storage violation trap still remains inactive.

User Response: Use the code X'code' to investigate the cause of the storage violation. For further information about X'code', see the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSMCK.

XMEOUT Parameters: *applid, X'code'*

DFHSM0113I *applid* Storage protection is not active.

Explanation: This is an informatory message stating that storage protection has not been requested (STGPROT=NO) and is not in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0. Storage protection can be enabled by specifying the system initialization parameter STGPROT=YES.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0114 *applid* Storage protection was requested but the support is not available. Storage protection is not active.

Explanation: This is an informatory message stating that although storage protection was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0115I *applid* Storage protection is active.

Explanation: This is an informatory message stating that storage protection is requested (STGPROT=YES) and is in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0120I *applid* Reentrant programs will not be loaded into read-only storage.

Explanation: This is an informatory message stating that read-only programs will not be loaded into read-only storage for this execution of CICS. This is because RENTPGM=NOPROTECT was specified as a system initialization parameter.

System Action: CICS continues.

User Response: None.

You should not specify RENTPGM=NOPROTECT unless you wish to deliberately overwrite programs (to set breakpoints while testing, for example).

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0122I *applid* Limit of DSA storage below 16MB is *dsalimit*K.

Explanation: This message gives the limit *dsalimit* of the dynamic storage area (DSA) below 16MB.

System Action: CICS continues.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameters: *applid, dsalimit*

DFHSM0123I *applid* Limit of DSA storage above 16MB is *edsalimit*M.

Explanation: This message gives the limit *edsalimit* of the dynamic storage area (DSA) above 16MB.

System Action: CICS continues.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameters: *applid, edsalimit*

DFHSM0124 *applid* Transaction isolation was requested but the support is not available or storage protection is not active. Transaction isolation is not active.

Explanation: The combination of system initialization parameters STGPROT(NO) and TRANISO(YES) is invalid. During a warm or emergency start of CICS, the catalogued system initialization parameters are incompatible with a SIT override. Although transaction isolation was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available, and/or storage protection is not active.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0125I *applid* Transaction isolation is active.

Explanation: Transaction isolation is requested (TRANISO=YES) and is in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameter: *applid*

DFHSM0126I *applid* Transaction isolation is not active.

Explanation: Transaction isolation has not been requested (TRANISO=NO) and is not in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0. Transaction isolation can be enabled by specifying TRANISO=YES as a system initialization parameter.

Destination: Console

Module: DFHSMMDM

XMEOUT Parameter: *applid*

DFHSM0127 *applid* Insufficient storage to allocate requested size for DSA limit storage below 16MB (*dsalimitK*).

Explanation: CICS has issued an MVS GETMAIN for the requested limit *dsalimit* of DSA storage below 16MB, but the GETMAIN request failed.

System Action: If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the DSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Ensure that the DSALIM system initialization parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.

See the *MVS/ESA JCL Reference*, (GC28-1829), for further information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameters: *applid, dsalimit*

DFHSM0128 *applid* Insufficient storage to allocate requested size for DSA limit storage above 16MB (*dsalimitM*).

Explanation: CICS has issued an MVS GETMAIN for the requested limit *dsalimit* of DSA storage above 16MB, but the GETMAIN request failed.

System Action: If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the EDSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Ensure that the EDSALIM parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.

See the *MVS/ESA JCL Reference*, (GC28-1829), for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMMDM.

XMEOUT Parameters: *applid, dsalimit*

DFHSM0129 *applid* Insufficient storage to allocate default size for DSA limit storage below 16MB (*dsalimitK*).

Explanation: Following message DFHSM0127, CICS has reduced the MVS GETMAIN request to the default size for the DSALIM system initialization parameter but the GETMAIN request has still failed.

System Action: The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: See DFHSM0127 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the *MVS/ESA JCL Reference* manual, (GC28-1829), for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0130 *applid* Insufficient storage to allocate default size for DSA limit storage above 16MB (*dsalimitM*).

Explanation: Following message DFHSM0128, CICS has reduced the MVS GETMAIN request to the default size for the EDSALIM system initialization parameter but the GETMAIN request has still failed.

System Action: The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: See DFHSM0128 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the *MVS/ESA JCL Reference* manual, (GC28-1829), for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0131 *applid* CICS is under stress (short on storage below 16MB).

Explanation: This message is produced when there is a shortage of storage in any of the dynamic storage areas (DSAs) below 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

System Action: An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could increase the value of the DSALIMIT parameter, if possible, or reduce the storage requirements below 16MB of your CICS system. For more information about how to do this, see the *CICS/ESA Performance Guide*.

Destination: Console

Module: DFHSM0132

XMEOUT Parameter: *applid*

DFHSM0132 *applid* CICS is no longer short on storage below 16MB.

Explanation: The short on storage condition reported by message DFHSM0131 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSM0132

XMEOUT Parameter: *applid*

DFHSM0133 *applid* CICS is under stress (short on storage above 16MB).

Explanation: There is a shortage of storage in one of the dynamic storage areas (DSAs) above 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

System Action: An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could, if possible, increase the value of the EDSALIMIT parameter, or reduce the storage requirements of your CICS system above 16MB. For guidance on how to do this, see the *CICS/ESA Performance Guide*.

Destination: Console

Module: DFHSM0133

XMEOUT Parameter: *applid*

DFHSM0134 *applid* CICS is no longer short on storage above 16MB.

Explanation: The short on storage condition reported by message DFHSM0133 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSM0134

XMEOUT Parameter: *applid*

DFHSM0132 *applid* CICS is no longer short on storage below 16MB.

Explanation: The short on storage condition reported by message DFHSM0131 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSM0132

XMEOUT Parameter: *applid*

DFHSM0133 *applid* CICS is under stress (short on storage above 16MB).

Explanation: There is a shortage of storage in one of the dynamic storage areas (DSAs) above 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

System Action: An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could, if possible, increase the value of the EDSALIMIT parameter, or reduce the storage requirements of your CICS system above 16MB. For guidance on how to do this, see the *CICS/ESA Performance Guide*.

Destination: Console

Module: DFHSM0133

XMEOUT Parameter: *applid*

DFHSM0134 *applid* CICS is no longer short on storage above 16MB.

Explanation: The short on storage condition reported by message DFHSM0133 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSM0134

XMEOUT Parameter: *applid*

DFHSM0135 *applid* Insufficient storage to allocate the requested size of *dsasizeK* for the *dsaname*.

Explanation: CICS has attempted to allocate the requested size *dsasize* for the *dsaname* but there is insufficient storage to satisfy the request. Note that a below-the-line dynamic storage area (DSA) size specified via the SIT override will have been rounded up to a multiple of 256K (or 1M for the UDSA if transaction isolation is in effect).

System Action: An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Either reduce the value specified in the *xDSASZE* parameter, or increase the value specified in the

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xDSALIM parameter.

Destination: Console# **Module:** DFHSMMDM# **XMEOUT Parameters:** *applid, dsasize, dsaname*

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DFHSM0136 *applid* The size of the *dsaname* was specified as
*dsasize*K.# **Explanation:** This is an informatory message giving the size
dsasize of the dynamic storage area (DSA) *dsaname*.# **System Action:** CICS continues.# **User Response:** None. You can suppress this message with the
message level, system initialization parameter, MSGLVL=0.# **Destination:** Console# **Module:** DFHSMMDM# **XMEOUT Parameters:** *applid, dsaname, dsasize*

APAR PQ07674

New message DFHSM0300

DFHSM0300 DFHSMUTL ERROR REPORT# **Explanation:** This is the report from the local catalog storage
manager domain subpool record manipulation program,
DFHSMUTL. A number of lines may be written to the report:
DFHSM0300 DFHSMUTL REPORT
Report header.# ADD SUBPOOL=xxxxxxx PROCESSED SUCCESSFULLY
ADD SUBPOOL=xxxxxxx has been processed successfully.
DEL SUBPOOL=xxxxxxx PROCESSED SUCCESSFULLY
DEL SUBPOOL=xxxxxxx has been processed successfully.
FOUND DFHLCD RECORD SMSUBPOL=xxxxxxx

Subpool record found by the LST command.

ERROR OPENING DFHLCD

An error has occurred opening the local catalog data set.
The program is terminated.

UNRECOGNISED VERB xxx IN INPUT

Only ADD, DEL and LST are allowed. The statement is
ignored.

UNRECOGNISED OPERAND xxxxxxxx IN INPUT

Only ADD SUBPOOL=xxxxxxx or DEL SUBPOOL=xxxxxxx are
allowed. The statement is ignored.

ERROR PROCESSING 'ADD SUBPOOL=xxxxxxx'. R15 = 'X'yy'.

RPL FEEDBACK CODE = 'X'zz'. SEE DFSMS/MVS MACRO

INSTRUCTIONS FOR DATA SETS

A VSAM error has occurred whilst processing an

ADD SUBPOOL=xxxxxxx command. For the meaning of the
VSAM# codes, refer to *DFSMS/MVS Macro Instructions for Data*# *Sets*, SC26-4913. The program is terminated.

ERROR PROCESSING 'DEL SUBPOOL=xxxxxxx'. R15 = 'X'yy'.

RPL FEEDBACK CODE = 'X'zz'. SEE DFSMS/MVS MACRO

INSTRUCTIONS FOR DATA SETS

A VSAM error has occurred whilst processing a

DEL SUBPOOL=xxxxxxx command. For the meaning of the
VSAM# codes, refer to *DFSMS/MVS Macro Instructions for Data*# *Sets*, SC26-4913. The program is terminated.

END OF DFHSMUTL REPORT

Report trailer.

System Action: See Explanation.# **User Response:** If an error is reported, correct the cause and
retry.# **Note:** This message cannot be changed with the message editing
utility.# **Destination:** SYSPRINT# **Module:** DFHSMUTL

DFHSNxxxx messages# **DFHSN0001** *applid* An abend (code *aaa/bbbb*) has occurred at
offset *X'offset'* in module *modname*.# **Explanation:** An abnormal end (abend) or program check has
occurred in module *modname*. This implies that there may be an
error in the CICS code. Alternatively, unexpected data has been
input, or storage has been overwritten.# The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if
applicable), followed by a 4-digit alphanumeric CICS code. The
MVS code is a system completion code (for example, OC1 or D37).
If an MVS code is not applicable, this field is filled with three
hyphens. The CICS code is an abend code or a number referring
to a CICS message (for example, AKEA is a CICS abend code;
1310 refers to message DFHTS1310).# **System Action:** An exception entry is made in the trace table. A
system dump is taken, unless you have specifically suppressed
dumps in the dump table.# CICS continues unless you have specified in the dump table that
CICS should terminate. If appropriate, an error return code is sent
to the caller of this domain. In this case CICS could be terminated
by the caller (for example, the domain manager, DFHDMDM). A
message is issued to this effect.# Message DFHME0116 is normally produced containing the
symptom string for this problem.# **User Response:** Notify the system programmer. If CICS is still
running, it is necessary to decide whether to terminate CICS.# Look up the MVS code, if there is one, in the relevant MVS codes
manual which is detailed in the book list in the front of this manual.# Next, look up the description of the CICS alphanumeric code. This
tells you, for example, whether the error was a program check, an
abend, or a runaway, and may give you some guidance concerning
user response.# If module *modname* is not crucial to the running of your CICS
system, you may decide to continue to run and bring CICS down at
a convenient time to resolve the problem.# If you cannot run without the full use of module *modname* you
should bring CICS down in a controlled shutdown.# You need further assistance from IBM to resolve this problem. See
Part 4 of the *CICS/ESA Problem Determination Guide* for guidance
on how to proceed.# **Destination:** Console# **Modules:** DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU,
DFHSNTU, DFHSNXR,# **XMEOUT Parameters:** *applid, aaa/bbbb, X'offset', modname*

DFHSN0002 *applid* **A severe error (code *X'code*) has occurred in program *progrname*.**

Explanation: CICS has detected a severe error while running module *progrname*. This error is associated with exception trace point ID *code*. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: The task issuing the signon abends.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSN XR

XMEOUT Parameters: *applid*, *X'code*, *progrname*

DFHSN0004 *applid* **A possible loop has been detected at offset *X'offset'* in module *modname*.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSN XR

XMEOUT Parameters: *applid*, *X'offset'*, *modname*

DFHSN1100 *date time applid* **Signon at {*netname* | *console* | *terminal* }*portname* by user *userid* in group *groupid* is complete.**

Explanation: Terminal *portname* has been signed on. It now has the security attributes for *userid* *userid* in group *groupid*.

System Action: Processing continues.

User Response: The user at terminal *portname* can now use those CICS transactions permitted for this *userid* in group *groupid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date*, *time*, *applid*, {*1=netname* , *2=console* , *3=terminal* }, *portname*, *userid*, *groupid*

DFHSN1101 *date time applid* **Signon at {*netname* | *console* | *terminal* }*portname* has failed. User *userid* not recognized.**

Explanation: A signon has been issued from terminal *portname* which specified a *userid* *userid* that is not known to the ESM.

System Action: The signon request is rejected.

User Response: Unless this implies a breach of security that needs investigating, contact your security administrator so that the *userid* can be made known to the ESM.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date*, *time*, *applid*, {*1=netname* , *2=console* , *3=terminal* }, *portname*, *userid*

DFHSN1102 *date time applid* **Signon at {*netname* | *console* | *terminal* }*portname* by user *userid* has failed. Password not recognized.**

Explanation: A signon has been issued from terminal *portname* which specified an incorrect password.

This was probably caused by a misspelling of the password or because the password is not valid for this *userid*.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date*, *time*, *applid*, {*1=netname* , *2=console* , *3=terminal* }, *portname*, *userid*

DFHSN1103 *date time applid* **Signon at {*netname* | *console* | *terminal* }*portname* by user *userid* has failed. OID card damaged or not authorized.**

Explanation: A signon has been issued from terminal *portname* which used an unauthorized or damaged operator identification (OID) card.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1104 *date time applid* **Signon at {netname | console | terminal }portname by user userid has failed. New password not allowed.**

Explanation: A signon has been issued from terminal *portname* which attempted to change the password to a value that the external security manager (ESM) does not allow.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1105 *date time applid* **Signon at {netname | console | terminal }portname by user userid requires a password.**

Explanation: A signon has been issued from terminal *portname* which did not specify a password. The signon has been rejected because user *userid* requires a password.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1106 *date time applid* **Signon at {netname | console | terminal }portname by user userid requires a new password.**

Explanation: A signon has been issued from terminal *portname* for which the external security manager (ESM) indicates the password has expired.

This does not imply a security breach. It is a normal response indicating that the ESM password has expired.

System Action: The signon request is rejected.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1107 *date time applid* **Signon at {netname | console | terminal }portname by user userid requires an OID card.**

Explanation: A signon has been issued from terminal *portname* which did not use an operator identification (OID) card when the external security manager (ESM) indicates that one should have been used.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1108 *date time applid* **Signon at {netname | console | terminal }portname by user userid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').**

Explanation: A signon has been issued from terminal *portname* and has been rejected by the external security manager (ESM).

System Action: The signon request is rejected.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1112 *date time applid* **Signon at {netname | console | terminal }portname by user userid has failed because the terminal has preset security.**

Explanation: A signon has been issued from terminal *portname*. This terminal has been defined to CICS with fixed security attributes. It does NOT support signon.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1113 *date time applid* **Signon at {netname | console | terminal }portname by user userid has failed because the terminal was already signed on.**

Explanation: A signon has been issued from terminal *portname* while a previous signon was still in effect for this terminal.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1114 *date time applid* **Signon by user *userid* has failed because there is no terminal associated with the requesting task.**

Explanation: A signon has been issued by user *userid* from a task that had been started without a terminal.

System Action: The signon request is rejected.

User Response: Investigate why a signon has been issued from a task that is not associated with a terminal.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, userid*

DFHSN1115 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed. Signon is not allowed at a surrogate terminal except by use of the CRTE transaction.**

Explanation: CICS does not support the signing-on of surrogate terminals, except when done during a CRTE routing session.

System Action: Processing continues.

User Response: Investigate how and why users are attempting to use signon via transaction routing.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid*

DFHSN1116 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because the national language to be used is not supported in this run of CICS.**

Explanation: The national language specified has been recognized as a valid IBM national language. However, either this language cannot be specified as a valid national language for CICS initialization, or CICS has not been initialized with this language in the current run of CICS.

See the *CICS/ESA System Definition Guide* for a list of national languages that CICS can be initialized to use.

System Action: Signon fails.

User Response: Retry signon with a national language that CICS has been initialized to use.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid*

DFHSN1117 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because an invalid national language was selected.**

Explanation: Signon failed because the language specified was not recognized as an IBM national language.

System Action: Signon fails.

User Response: Retry signon with a correct language value.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid*

DFHSN1118 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because the user is not authorized to use the terminal.**

Explanation: A signon has been issued from terminal *portname* which has failed. The user is not authorized to use the terminal.

System Action: The signon request is rejected.

User Response: Contact your security administrator, who should check if the user should be authorized to use terminal *portname*.

In particular, check if the user should be able to access the system on this particular day and time and whether the terminal may be used on this day and time.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid*

DFHSN1119 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because the user is not authorized to use this APPLID.**

Explanation: A signon has been issued from terminal *portname* which has failed. The user is not authorized to use the application *applid*.

System Action: The signon request is rejected.

User Response: Contact your security administrator, who should check whether the user should have authorization to use application *applid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid*

DFHSN1120 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because the {*userid* | *group access*} has been revoked.**

Explanation: Either the *userid*, or the user's access to the ESM group containing it, has been revoked by the ESM. This is usually the result of repeated attempts to signon with an invalid password.

System Action: The signon request is rejected.

User Response: For revoked *userid*s, contact your security administrator who can reauthorize the revoked *userid* by issuing the ALTUSER RESUME function. For revoked group access, contact your security administrator who can restore the user's access to the group by issuing the CONNECT RESUME function.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=*netname*, 2=*console*, 3=*terminal*}, portname, userid, {1=*userid*, 2=*group access*}*

DFHSN1129 *date time applid* **Signon at {*netname* | *console* | *terminal*}*portname* by user *userid* has failed because the user is already signed on elsewhere.**

Explanation: A signon has been issued from terminal *portname* while the user is already signed on under the restrictions imposed by the current setting of the SNSCOPE system initialization parameter.

System Action: The signon request is rejected.

User Response: Investigate why users are attempting to signon twice within the current signon scope.

See the *CICS/ESA System Definition Guide* for more information about the SNSCOPE parameter.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1130 *date time applid Signon at {netname | console | terminal }portname by user userid failed because the userid was not found in the specified group.*

Explanation: A signon has been issued from terminal *portname* which has failed. Either the *userid* is not in the specified group, or the group specified for this user to be associated with after signon is not known to the ESM.

System Action: The signon request is rejected.

User Response: Check that the *groupid* specified is correct. If it is, contact your security administrator to ensure that this group is defined properly, and that the user is connected to this group.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1131 *date time applid Signon at {netname | console | terminal }portname by user userid has failed because security is not active in this CICS region.*

Explanation: A signon has been issued from terminal *portname* which has failed. This is because this CICS region is running without security active.

System Action: The signon request is rejected.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1132 *date time applid Signon at terminal termid by user userid has failed because the terminal is a session.*

Explanation: A signon has been issued from terminal *termid* which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System Action: The signon request is rejected.

User Response: Investigate how and why users are attempting to use signon for a session.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, termid, userid*

APAR PQ08190

New message DFHSN1133

DFHSN1133 *date time applid Signon at {netname | console | terminal }portname by user userid has failed because of an error during SNSCOPE checking.*

Explanation: A signon has been issued from terminal *portname*. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

System Action: The signon request is rejected. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

User Response: Please report this problem to your CICS systems programmer.

See the *CICS/ESA System Definition Guide* for more information about the SNSCOPE parameter.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid*

DFHSN1150 *date time applid Signon at TCAM pool by user userid in group groupid is complete.*

Explanation: A TCAM pool of terminals has been signed on by user *userid*. All terminals in this TCAM pool now have the security attributes for user *userid* in group *groupid*.

System Action: Processing continues.

User Response: The user at any of these TCAM terminals can now use those CICS transactions permitted for this *userid* in group *groupid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, userid, groupid*

DFHSN1200 *date time applid Signoff at {netname | console | terminal }portname by user userid is complete. tt transactions entered with nn errors.*

Explanation: Terminal *portname* has been signed off. It now has the default security attributes.

nn indicates the number of errors which have occurred.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal}, portname, userid, tt, nn*

DFHSN1211 *date time applid Signoff at terminal termid has failed because the terminal is a session.*

Explanation: A signoff has been issued from terminal *termid* which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System Action: The signoff request is rejected.

User Response: Investigate how and why users are attempting to use signoff for a session.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, termid*

DFHSN1212 *date time applid* **Signoff at {netname | console | terminal }portname has failed because the terminal has preset security.**

Explanation: A signoff has been issued from terminal *portname* which has been defined to CICS with fixed security attributes and so does not support signoff.

System Action: The signoff request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname*

DFHSN1213 *date time applid* **Signoff at {netname | console | terminal }portname has failed because the terminal was not signed on.**

Explanation: A signoff has been issued from terminal *portname* while no previous signon was in effect.

System Action: The signoff request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname*

DFHSN1214 *date time applid* **An attempted signoff has failed because there was no terminal associated with the requesting task.**

Explanation: A signoff has been issued from a task that had been started without a terminal.

System Action: The signoff request is rejected.

User Response: Investigate why a signoff has been issued from a task that is not associated with a terminal.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid*

DFHSN1215 *date time applid* **Signoff at {netname | console | terminal }portname has failed. Signoff is not allowed at a surrogate terminal except by use of the CRTE transaction.**

Explanation: CICS does not support the signing off of surrogate terminals, except when done during a CRTE routing session.

System Action: Processing continues.

User Response: Investigate how and why users are attempting to use signoff via transaction routing.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname*

DFHSN1250 *date time applid* **Signoff at TCAM pool is complete.**

Explanation: A TCAM pool of terminals has been signed off. All terminals in this TCAM pool now have default security attributes.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid*

DFHSN1300 *date time applid* **An attempt to reschedule BMS pages for operator *opid* at {netname | console | terminal }portname has failed following a timeout. Pages on temporary storage queue *X'hexqueueid'* may require cleanup.**

Explanation: Operator *opid* has been timed out on terminal *netname* while viewing BMS pages. CICS has attempted to reschedule the pages so that they are available when the operator signs on again, but the reschedule has failed.

The pages are available on temporary storage queue *hexqueueid*. This queue continues to exist until it is explicitly disposed of.

System Action: Processing continues.

User Response: If you still need to view this data, repeat the processing which created the BMS pages.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, opid, {1=netname, 2=console, 3=terminal }, portname, X'hexqueueid'*

DFHSN1400 *date time applid* **Session signon for session *session* by user *userid* is complete.**

Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of user *userid*.

System Action: The MRO/ISC sessions are signed on.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, userid*

DFHSN1401 *date time applid* **Session signon for session *session* by user *userid* has failed. SAF codes are (*X'safresp',X'safreas*). ESM codes are (*X'esmresp',X'esmreas*).**

Explanation: An MRO/ISC signon is attempted by user *userid* but the signon has failed for the reason given.

System Action: The session is not signed on.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1410 *date time applid* **Session signon for session session with default security attributes is complete.**

Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of the default user.

System Action: The MRO/ISC sessions are signed on.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session*

DFHSN1500 *date time applid* **Session signoff for session session is complete. *tt* transactions entered with *nn* errors.**

Explanation: An MRO/ISC session is signed-off.

nn indicates the number of abends which have occurred.

System Action: The security authority is removed from the session.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, tt, nn*

DFHSN1501 *date time applid* **Session signoff for session session has failed. SAF codes are (*X'safresp',X'safreas'*). ESM codes are (*X'esmresp',X'esmreas'*).**

Explanation: An MRO/ISC signoff is attempted but the signoff has failed for the reason given.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1604 *date time applid* **Attach header signon at terminal *termid* by user *userid* has failed. SAF codes are (*X'safresp',X'safreas'*). ESM codes are (*X'esmresp',X'esmreas'*).**

Explanation: User *userid* has failed the implicit signon for attach security.

System Action: The attach fails.

User Response: The response and reason codes (*safresp* and

safreas) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1605 *date time applid* **Attach header signon at terminal *termid* has failed. SAF codes are (*X'safresp',X'safreas'*). ESM codes are (*X'esmresp',X'esmreas'*).**

Explanation: The implicit signon for local user security has failed.

System Action: The attach fails.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1606 *date time applid* **Attach header signoff at terminal *termid* has failed. SAF codes are (*X'safresp',X'safreas'*). ESM codes are (*X'esmresp',X'esmreas'*).**

Explanation: The user has failed the implicit signoff for attach security.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1800 *date time applid* **Signon at {netname | console | terminal }portname by preset user userid in group groupid is complete.**

Explanation: The user *userid*, specified for preset security terminal *portname* has been signed on to the external security manager (ESM).

System Action: The security attributes for this userid are used in all security requests issued against this terminal.

The terminal is now PRESET with this userid for its entire duration.

User Response: None.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid, groupid*

DFHSN1801 *date time applid* **Signon at {netname | console | terminal }portname by preset user userid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').**

Explanation: The user *userid*, specified for a preset security terminal *portname*, could not be signed on to the external security manager (ESM).

System Action: The signon request is rejected and the terminal cannot be put in service.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1850 *date time applid* **Signoff at preset {netname | console | terminal }portname is complete.**

Explanation: The preset security terminal *portname* has been signed off while the terminal was being deleted. Its security has been removed.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname*

DFHSN1851 *date time applid* **Signoff at preset {netname | console | terminal }portname has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').**

Explanation: The preset security terminal *portname*, could not be signed off while the terminal was being deleted.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSRxxxx messages

DFHSR0001 *applid* **An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in program *progrname*.**

Explanation: An abnormal end (abend) or program check has occurred in program *progrname*. Storage protection is active, and CICS was executing in USER key at the time of the abend or program check.

The code *aaa* is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code *bbbb*, which follows *aaa*, is a user abend code, produced either by CICS or by another product on the user's system. Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception trace entry is made giving details of the error. System dump SR0001 is taken unless you have specifically suppressed dumps for that dumpcode in the dump table.

CICS continues and abends the transaction, unless you have specified in the dump table that CICS should terminate. The transaction abend code is ASRA, ASRB or ASRD.

User Response: As the execution key was USER key, *modname* is probably a customer application program. Review this program and correct the error.

Note that if the error was an 0C4 program check caused by an attempt to overwrite a CICS DSA, the exception trace entry indicates which DSA the program attempted to overwrite. If this is the case, also refer to the explanation for message DFHSR0622.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Report the details of the symptom string given in message DFHME0116.

If you want to suppress system dumps that precede ASRA, ASRB and ASRD abends when the execution key is USER, you must specify this on an entry in the dump table for system dumpcode SR0001. Use either CEMT or an EXEC CICS command. Further guidance on this can be found in the *CICS/ESA System Definition Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', progname*

DFHSR0601 *applid* Program interrupt occurred with system task *taskid* in control

Explanation: A program check has been detected in a system task. *taskid* is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

System Action: CICS abnormally terminates with system dump SR0601 and an exception trace entry which gives the kernel error data for the program check.

User Response: Use the dump to determine the cause of the program check. The most likely causes are either an error in a CICS module, or an error in a user-written PLT program.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, taskid*

DFHSR0602 *applid* Program interrupt routine has been entered while processing program interrupt for same task

Explanation: A program check occurred. CICS started to abend the task with an abend code of ASRA when another program check occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0602 and exception trace entries giving the kernel error data for each program check.

User Response: Try to discover where and why the first program check occurred. The most likely cause is an error in the application program. The second program check may be due to a CICS error while terminating the task.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0603 *applid* Program interrupt has occurred

Explanation: A program check occurred, and CICS did not attempt to recover, because SRT=NO was specified in the system initialization table or by the operator at start-up time.

System Action: CICS abnormally terminates with system dump SR0603 and an exception trace entry giving the kernel error data for the program check.

User Response: Initially, check that the specification of SRT=NO is correct. If it is incorrect, change it as described in the *CICS/ESA System Definition Guide*.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0605 *applid* Error from KE Domain - DFHSRP initialization

Explanation: Module DFHSRP has detected a severe error during the initialization phase of CICS. It is unlikely that any recovery functions can run until the error is found and corrected.

System Action: CICS abnormally terminates with system dump SR0605.

User Response: Use the dump to determine, if possible, the cause of the problem and what must be done to correct it.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0606 *applid* Abend (code *aaa/bbbb*) has been detected.

Explanation: DFHSRP has detected an abnormal termination which CICS is not able to handle fully (for example, the abend code cannot be found in the SRT). In this instance it is the CICS system and not merely a transaction, that has abnormally terminated.

The code *aaa* is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user's system.

System Action: CICS abnormally terminates. A system dump (dumpcode SR0606) can be taken with this message depending on the abend code. An exception trace entry is produced giving the kernel error data for the abend.

User Response: Use the dump to determine the abnormal termination, and to investigate its cause.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, aaa/bbbb*

DFHSR0612 *applid* Abend recovery has been entered by same task

Explanation: An operating system abnormal termination occurred. CICS started to abend the task with abend code ASRB when another operating system abnormal termination occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0612 and exception trace entries giving the kernel error data for each operating system abend.

User Response: The most likely cause of the second operating system abend is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the second abend and take steps to prevent a recurrence.

Note that this message will also be issued if a global user exit program running at the XSRAB exit gets into a loop (runaway), or issues an unknown XPI call (kernerror). The second exception trace entry should help to diagnose this.

DFHSR0613

For advice on problem determination, see the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0613 *applid* Abend has occurred with system task *taskid* in control

Explanation: An operating system abnormal termination has been detected in a system task. *taskid* is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

System Action: CICS abnormally terminates with system dump SR0613 and an exception trace entry giving the kernel error data for the operating system abend.

User Response: Use the dump to determine the cause of the abend, and take action to correct it.

For advice on problem determination, see the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, taskid*

DFHSR0615 *applid* Program interrupt has occurred in recovery task

Explanation: An operating system abnormal termination occurred. CICS started to abend the task with an abend code of ASRB when a program check occurred. DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0615 and exception trace entries giving the kernel error data for the operating system abend and the program check.

User Response: The most likely cause of the program check is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the program check and correct it.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0618 *applid* An illegal macro call or reference to the CSA or TCA has caused the abend which follows

Explanation: A user program was executing which either contains an assembler macro which is no longer supported, or refers illegally to the CICS TCA or CSA. This error appears as an 0C4 program check.

System Action: Either The transaction abends with abend code ASRD. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred.

Or This is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User Response: Review the program and correct the error.

If the error is in the module DFHUEHC, ensure that UEPCSA and UEPTCA are not being used because these reference fetch-protected storage.

For advice on problem determination, refer to the *CICS/ESA Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0622 *applid* An attempt to {*overwrite | access*} the *dsaname* has caused the abend which follows

Explanation: An 0C4 program interrupt (protection exception) has occurred. CICS has diagnosed the cause of the 0C4 as an attempt to either 'access' or 'overwrite', storage in DSA *dsaname*. The DSA *dsaname* is one of CDSA, RDSA, UDSA, ECDSA, ERDSA or EUDSA for 'overwrite' and either UDSA or EUDSA for 'access'.

If *dsaname* is CDSA or ECDSA:

CICS is running with storage protection active. Both the CDSA and the ECDSA therefore contain CICS key storage. They are write protected from user programs executing in User key. The most likely causes of the 0C4 are:

- A program executing in CICS key passed the address of CICS key storage in the CDSA or ECDSA to a user program executing in User key and this user program attempted to write to this storage.
- A user program executing in User key contains an error and accidentally attempted to write to CICS key storage in the CDSA or ECDSA.
- A user program executing in User key deliberately attempted to write to CICS key storage in the CDSA or ECDSA.

If *dsaname* is ERDSA or RDSA:

CICS may be running with or without storage protection active. The ERDSA or RDSA contains only reentrant CICS and user programs. If RENTPGM=PROTECT was specified as a system initialization parameter, the ERDSA or RDSA is write protected from programs executing in both CICS key and User key. If RENTPGM=NOPROTECT, the ERDSA or RDSA is only protected from user programs executing in User key. The most likely causes of the 0C4 are:

- A user program residing in the ERDSA or RDSA has attempted to modify its own storage, (that is, the program is not reentrant).
- A user program contains an error and accidentally attempted to overwrite program storage in the ERDSA or RDSA.

If *dsaname* is EUDSA or UDSA:

CICS is running with both storage protection and transaction isolation active. The EUDSA and UDSA contain only USER key non-shared storage. The most likely causes of the 0C4 are:

- If the action is 'overwrite', a program has attempted to modify the non-shared storage belonging to another transaction.
- If the action is 'access', a program has attempted to either read storage or execute an instruction within another transaction's non-shared storage.

System Action: Either, the transaction abends with abend code ASRA. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred. Additionally, an exception trace entry is taken which gives program, offset, execution key and the DSA in question.

Or, this is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User Response: Depending on the cause and *dsaname*, do one of the following:

- Correct any error in the program.
- Redefine transactions with ISOLATE(NO) where they have to share storage.
- Change the program resource definition so that it executes in CICS key (and the basespace).
- Ensure that the program is not loaded into the ERDSA by not link-editing it with the RENT option.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid*, {1=overwrite, 2=access}, *dsaname*

DFHSTxxxx messages

DFHST0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

Note: There is NO *applid* for DFHSTUP modules.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a dump is taken and the collection interval is set to 24 hours. Message DFHST0101 is also issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action is to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *MVS/ESA System Codes* manual. Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUx (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHST0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHST0003 *applid* Insufficient storage to satisfy GETMAIN (code *X'code'*) in module *modname*.

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16MB line.

System Action: An exception entry is made in the trace table

(code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. If CICS is not already terminated, you need to bring CICS down to do this. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHSTDM

XMEOUT Parameters: *applid, X'code', modname*

DFHST0004 *applid* **A possible loop has been detected at offset X'offset' in module *modname*.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

Note that no *applid* is included for DFHSTUP modules.

System Action: An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a system dump is taken and the collection interval is set to 24 hours. Message DFHST0101 will also be issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action will be to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS

function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUx (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: *applid, X'offset', modname*

DFHST0005 *applid* **A hardware error has occurred (module *modname*, code X'code'). The Time-of-Day clock is invalid.**

Explanation: Execution of the STCK machine instruction resulted in a non-zero condition code.

System Action: A system dump is taken and interval collections are cancelled. Message DFHST0102 is also issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM

XMEOUT Parameters: *applid, modname, X'code'*

DFHST0101 *applid* **The Statistics Domain has set the collection interval to 24 hours.**

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. As a result, the collection interval has been set to the maximum value. The end-of-day collection time is unchanged.

A message explaining the problem has already been issued by the module in error.

System Action: Other processing continues.

User Response: Refer to the associated message for guidance on resolving the original problem.

Use CEMT SET STATISTICS to reset the interval when the problem has been resolved.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI

XMEOUT Parameter: *applid*

DFHST01021 applid The Statistics Domain has cancelled interval collections.

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. A message explaining the problem may have already been issued by the module in error.

To reduce the occurrence of this problem, the interval collections have been cancelled. The end-of-day collection time is unchanged.

System Action: Other processing continues.

User Response: Refer to any associated message for guidance on resolving the original problem.

If no associated message has been issued, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI

XMEOUT Parameter: *applid*

DFHST0103 applid An SMF error has occurred with return code X'rc'.

Explanation: SMF has returned to the statistics (ST) domain with an error return code X'rc' from the SMFEWTM macro.

System Action: Other CICS processing continues.

User Response: Refer to the *MVS/ESA System Programming Library: System Management Facility (SMF)* manual for a detailed explanation of the meaning of the return code.

Destination: Console

Module: DFHSTST

XMEOUT Parameters: *applid, X'rc'*

DFHST0201 S An attempt to open the statistics data set has failed.

Explanation: DFHSTUP has tried to open the unloaded SMF data set but has failed.

System Action: A dump is taken and the job step is terminated.

User Response: Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS/ESA Operations and Utilities Guide*.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0202 S A read error on the statistics data set has occurred

Explanation: A read error was encountered on the unloaded SMF data set.

System Action: A dump is taken and the job step is terminated.

User Response: Inform the system programmer. First check that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS/ESA Operations and Utilities Guide*. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0203 W The statistics data set is empty.

Explanation: An end-of-file condition was detected during the first attempt to read the unloaded SMF data set, or the unloaded SMF dataset contained no CICS statistics from any CICS system.

System Action: The job step is terminated.

User Response: The most likely cause is an error in the JCL which unloads the SMF dataset. First check that the JCL is correct. A sample set of JCL to unload the SMF dataset is contained in the *CICS/ESA Operations and Utilities Guide*. Also check that you have unloaded the correct SMF dataset. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTIN

DFHST0204 S Invalid record id *recid* encountered on the statistics data set.

Explanation: An invalid record identifier *recid* has been encountered in the unloaded SMF data set.

System Action: A dump is taken and the job step is terminated.

User Response: Check that the unloaded SMF data set contains statistics records. CICS statistics records are of SMF record type 110, sub-type 2. For further information, see the *CICS/ESA Data Areas*.

If the SMF data set does contain statistics records, the most likely cause of the problem is a corrupted SMF dataset. Unload the SMF dataset again and rerun the DFHSTUP utility. If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Modules: DFHSTUx (modules within DFHSTUP)

DFHST0206 S An invalid parameter (*parameter*) has been specified for the DFHSTUP utility.

Explanation: One or more of the parameters specified in the SYSIN data set were incorrect.

System Action: The job step is terminated.

User Response: Correct the erroneous parameter as identified in the message and resubmit the job.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0207 W An incomplete data record has been encountered on the statistics data set.

Explanation: A record input from the unloaded SMF data set specifies that the data it contains is incomplete.

System Action: Processing continues.

User Response: For an incomplete data record to have been encountered, there must have been an error in the running of CICS. This should result in an exception trace and perhaps a dump being issued.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

DFHST0208 S

Destination: SYSPRINT

Modules: DFHSTUx (modules within DFHSTUP)

DFHST0208 S An attempt to open the SYSIN data set has failed.

Explanation: DFHSTUP has tried to open the SYSIN data set but has failed.

System Action: A dump is taken and the job step is terminated.

User Response: Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS/ESA Operations and Utilities Guide*.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0209 S A read error on the SYSIN data set has occurred.

Explanation: A read error was encountered on the SYSIN data set.

System Action: A dump is taken and the job step is terminated.

User Response: Inform the system programmer.

To resolve the problem, collect the dumps and any relevant messages and determine why the read failed. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0210 I No statistics are available for applid *applid*.

Explanation: No statistics data records exist for applid *applid* in the unloaded SMF data set. This is because

- Applid *applid* is unknown, or
- You have unloaded the wrong SMF data set, or
- You have specified a COLLECTION TYPE= parameter for which applid *applid* has no statistics, or
- No CICS statistics records were written for applid *applid*.

System Action: The job step continues.

User Response: Check that you have specified the correct applid. If necessary, respecify the correct applid.

Check that you have unloaded the correct SMF data set. If necessary, unload the correct SMF data set.

If you have specified the correct applid and unloaded the correct SMF data set, then there are no statistics data records for applid *applid*.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0211 S Processing terminated. Getmain failed with a short on storage condition.

Explanation: The DFHSTUP utility detected an error from a GETMAIN macro while obtaining working storage. This was because DFHSTUP had exhausted the available storage.

System Action: A dump is taken and the job step terminates.

User Response: Check that you have specified the correct REGION size on the EXEC JCL command used to execute the DFHSTUP utility. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS/ESA Operations and Utilities Guide*.

If you have specified the correct REGION size, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: All DFHSTUP modules

DFHST0212 S Processing terminated. DFSORT message dataset (DD=SYSOUT) is missing.

Explanation: The dataset used by the DFSORT utility to output its messages is missing.

System Action: A dump is taken and the job step is terminated.

User Response: Check the JCL used to execute the DFHSTUP utility to ensure that the SYSOUT DD was correctly specified. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS/ESA Operations and Utilities Guide*.

If you have specified the correct SYSOUT DD statement, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0213 S Processing terminated. Error detected by DFSORT. Check DFSORT messages.

Explanation: An error was detected by the DFSORT utility and the DFHSTUP utility terminated.

System Action: A dump is taken and the job step is terminated.

User Response: The user must inspect the DFSORT message dataset and search for messages indicating the reason for the failure of the DFSORT utility. A detailed explanation of the messages produced by DFSORT can be found in the *DFSORT Application Programming Guide* (SC33-4035).

After analyzing the DFSORT error message, take the appropriate corrective actions and resubmit the job.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0214 S Processing terminated. Failure to obtain system time and date.

Explanation: The DFHSTUP utility was unable to obtain the system time and date from the CICS kernel.

System Action: A dump is taken and the job step is terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0216 W An incompatible statistics record version number *version*, was detected by module *module*.

Explanation: The statistics utility program has detected that a statistics record has a version number which is incompatible with the version number expected by the DFHSTUP utility.

System Action: The statistics record containing the invalid version number is ignored. Statistics records immediately following which are of the same type and which also contain an invalid version number are also ignored. Processing continues.

User Response: Obtain a dump of the SMF data set. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: All DFHSTUP modules.

DFHST0217 S An attempt to open the DFHSTWRK data set has failed.

Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Ensure that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0218 S A write error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Ensure that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0219 S A read error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0220 S An attempt to open the DFHSTWRK data set has failed.

Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set while processing summary statistics.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.

Destination: SYSPRINT

Module: DFHST17X

DFHST0221 S A write error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHST17X

DFHST0222 S A read error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHST17X

DFHST0223 I There are no data table statistics to report.

Explanation: The file subsection of the DFHSTUP report entitled 'Data Table Requests Information' only contains formatted information if the data currently being processed contains statistics records for files accessed as data tables. This message is written to the DFHSTUP report, when the utility program detects that there are no data table statistics in this section of the statistics report.

System Action: Processing continues normally.

User Response: Take no action unless you expect data table statistics in the DFHSTUP report. In this case, ensure that the data tables feature is in use during the time period covered by the statistics being processed.

Destination: SYSPRINT

Modules: DFHSTU17, DFHST17X

DFHSZxxxx (FEPI) messages

DFHSZ4001 I date time applid FEPI initialization has started.

Explanation: The Front End Programming Interface (FEPI) is being initialized.

This means the CSZI transaction – FEPI – has started its processing. CSZI is started as part of CICS system initialization, if the system initialization parameter FEPI is set to YES.

If you specified FEPI=YES and this message does not appear during CICS initialization, CSZI failed to start; the most common reason for this is that group DFHFEPI is not included in the list specified by the GRPLIST system initialization parameter.

If message DFHSZ4001 is not followed by message DFHSZ4002, FEPI failed to start. In this case, a DFHSZnnnn message is issued to indicate the error.

DFHSZ4002 I

System Action: FEPI initialization proceeds.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4002 I *date time applid* FEPI initialization has ended.

Explanation: The Front End Programming Interface (FEPI) has finished initialization.

System Action: EXEC CICS FEPI commands are made available.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4003 I *date time applid* FEPI termination complete.

Explanation: The Front End Programming Interface (FEPI) has ended.

A DFHSZnnnn message may precede message DFHSZ4003 to indicate what caused FEPI to terminate.

System Action: EXEC CICS FEPI commands are made unavailable.

User Response: Resolve the problem indicated by the messages, then restart CICS.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4004 E *date time applid* FEPI cannot be started: FEPI=YES not specified in the SIT.

Explanation: The Front End Programming Interface (FEPI) cannot be started because the FEPI system initialization parameter was set to NO indicating that FEPI is not required.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but did not set up the correct environment for it to run.

System Action: The FEPI transaction is not run.

User Response: If you require FEPI in the CICS system, restart CICS specifying the system initialization parameter FEPI=YES. You do not need to start the FEPI transaction manually.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4005 E *date time applid* FEPI cannot be started: FEPI is already active, in state X'sssssss'.

Explanation: The Front End Programming Interface (FEPI) cannot be started because FEPI is already active in the system.

This message usually means that you attempted to start a new instance of FEPI manually by running the FEPI transaction (CSZI), but the previous instance of FEPI failed in some way that caused an 'active' indication to be left in error.

The possible FEPI states (X'sssssss') are:

State	Meaning
X'0000002'	FEPI is being initialized
X'0000003'	FEPI is active
X'0000004'	FEPI is terminating as CICS is undergoing a normal shutdown
X'0000005'	FEPI is terminating as CICS is undergoing an immediate shutdown
X'0000006'	FEPI is terminating as CICS is undergoing an abnormal shutdown

System Action: The request to start a new instance of FEPI is rejected.

User Response: If the state suggests that a previous instance of FEPI failed, you must restart CICS to resolve the problem. You do not need to start the FEPI transaction manually.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'sssssss'*

DFHSZ4006 E *date time applid* FEPI initialization failed: enqueue failure, code X'rr'.

Explanation: The Front End Programming Interface (FEPI) cannot be initialized because an attempt to enqueue on the FEPI enqueue name SZENQRMI failed, indicating that FEPI is already active in the system. FEPI initialization issues this enqueue to prevent a second instance of FEPI being present in the system.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but there is a previous instance of CSZI still running.

The possible values of X'rr', the reason for failure, are:

Code	Meaning
X'31'	Duplicate enqueue on SZENQRMI attempted.
X'32'	Failure during enqueue processing.

System Action: The request to start a second instance of FEPI is rejected.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'rr'*

DFHSZ4007 E *date time applid* FEPI initialization failed: storage ADD_SUBPOOL failure for subpool pppppppp, reason X'rr' response X'ee'.

Explanation: The Front End Programming Interface (FEPI) cannot be initialized because creating the named storage subpool for FEPI use failed.

The values of X'rr', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage available for the subpool
X'03'	Subpool requested with an invalid fixed length
X'04'	Subpool requested with an invalid boundary alignment
X'05'	Subpool requested with an invalid initial number of elements
X'06'	Subpool requested with an invalid name

| X'08' Subpool requested already exists
 | X'11' Access to the Storage Manager was denied
 | The values of X'ee', the response to the failed request, are:
 | **Response Meaning**
 | X'01' Request completed successfully
 | X'02' Exception response generated
 | X'03' Disaster response generated
 | X'04' Invalid response generated
 | X'05' A kernel error was detected
 | X'06' The request was purged
 | **System Action:** FEPI initialization ends, and EXEC CICS FEPI
 | commands are unavailable. An exception trace entry is generated.
 | **User Response:** The only action you can take is when there is
 | insufficient storage, in which case you can increase the storage
 | available to CICS on restart.
 | All other errors are system failures, and you should consult the
 | system programmer. You need further assistance from IBM to
 | resolve this problem. See Part 4 of the *CICS/ESA Problem
 | Determination Guide* for guidance on how to proceed.
 | **Destination:** Console and Transient Data Queue CSZL
 | **Module:** DFHSZRMP(DFHSZSIP)
 | **XMEOUT Parameters:** *date, time, applid, pppppppp, X'rr', X'ee'*

| **DFHSZ4008 E** *date time applid* **FEPI initialization failed:**
 | **Non-runaway task setting failure, reason X'rr'**
 | **response X'ee'.**
 | **Explanation:** The Front End Programming Interface (FEPI) cannot
 | be initialized. Because FEPI is a long-running transaction (CSZI), it
 | must not be subject to a runaway task time out. The request to
 | prevent this failed.
 | The value of X'rr', the reason for failure, is always X'00'.
 | The values of X'ee', the response to the failed request, are:
 | **Response Meaning**
 | X'01' Request completed successfully
 | X'02' Exception response generated
 | X'03' Disaster response generated
 | X'04' Invalid response generated
 | **System Action:** FEPI initialization ends, and EXEC CICS FEPI
 | commands are made unavailable. An exception trace entry is
 | generated.
 | **User Response:** You need further assistance from IBM to resolve
 | this problem. See Part 4 of the *CICS/ESA Problem Determination
 | Guide* for guidance on how to proceed.
 | **Destination:** Console and Transient Data Queue CSZL
 | **Module:** DFHSZRMP(DFHSZSIP)
 | **XMEOUT Parameters:** *date, time, applid, X'rr', X'ee'*

| **DFHSZ4009 E** *date time applid* **FEPI initialization failed:**
 | **change-priority failure, response X'ee'.**
 | **Explanation:** The Front End Programming Interface (FEPI) cannot
 | be initialized because changing the dispatching priority of the FEPI
 | transaction (CSZI) failed.
 | Because FEPI runs as a transaction, a high priority is required.
 | The request to set this dispatching priority failed.
 | The values of X'ee', the response to the failed request, are:
 | **Response Meaning**
 | X'01' Request completed successfully
 | X'03' Disaster response generated
 | X'04' Invalid response generated
 | X'05' A Kernel error was detected
 | **System Action:** FEPI initialization ends, and EXEC CICS FEPI
 | commands are made unavailable. An exception trace entry is
 | generated.
 | **User Response:** You need further assistance from IBM to resolve
 | this problem. See Part 4 of the *CICS/ESA Problem Determination
 | Guide* for guidance on how to proceed.
 | **Destination:** Console and Transient Data Queue CSZL
 | **Module:** DFHSZRMP(DFHSZSIP)
 | **XMEOUT Parameters:** *date, time, applid, X'ee'*

| **DFHSZ4010 E** *date time applid* **FEPI initialization failed: SZ TCB**
 | **swap failure, response X'ee'.**
 | **Explanation:** The Front End Programming Interface (FEPI)
 | usually runs under the CICS SZ TCB. Transferring the FEPI
 | transaction (CSZI) from running under the QR TCB to the SZ TCB
 | failed.
 | The values of X'ee', the response to the failed request, are:
 | **Response Meaning**
 | X'01' Request completed successfully
 | X'02' Exception response generated
 | X'03' Disaster response generated
 | X'04' Invalid response generated
 | X'05' A kernel error was detected
 | **System Action:** FEPI initialization ends, and EXEC CICS FEPI
 | commands are made unavailable. An exception trace entry is
 | generated.
 | **User Response:** The SZ TCB is created as part of the early CICS
 | initialization and you should examine the console log to see if any
 | messages were generated indicating a TCB creation failure.
 | You need further assistance from IBM to resolve this problem. See
 | Part 4 of the *CICS/ESA Problem Determination Guide* for guidance
 | on how to proceed.
 | **Destination:** Console and Transient Data Queue CSZL
 | **Module:** DFHSZRMP(DFHSZSIP)
 | **XMEOUT Parameters:** *date, time, applid, X'ee'*

DFHSZ4011 E *date time applid* FEPI storage GETMAIN failed in subpool NB, reason X'rr' response X'ee'.

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPFCNB storage subpool for NIB usage which failed.

The values of X'rr', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request
X'02'	Invalid subpool token given
X'04'	Invalid length of element requested
X'05'	Length of element not specified
X'08'	Access was denied to the storage subpool
X'11'	Invalid initial image supplied
X'12'	An abnormal end occurred in the storage manager
X'13'	A loop was detected in the storage manager

The values of X'ee', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A Kernel error was detected.
X'06'	The request was purged.

All these responses indicate that a system error has occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZNG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4012 E *date time applid* FEPI storage GETMAIN failed in subpool DA, reason X'rr' response X'ee'.

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPVCDA storage subpool for general usage which failed.

The values of X'rr', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request.
X'02'	Invalid subpool token given.
X'04'	Invalid length of element requested.
X'05'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'11'	Invalid initial image supplied.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'ee', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZAG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4013 E *date time applid* FEPI storage GETMAIN failed in subpool RP, reason X'rr' response X'ee'.

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPPCR storage subpool for RPL usage. The request failed.

The values of X'rr', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request.
X'02'	Invalid subpool token given.
X'04'	Invalid length of element requested.
X'05'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'11'	Invalid initial image supplied.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'ee', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZRG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4014 E *date time applid* **FEPI storage FREEMAIN failed in subpool DA|NB|RP, reason X'rr' response X'ee'.**

Explanation: The Front End Programming Interface (FEPI) issued a FREEMAIN storage request in an SZSPxxxx storage subpool. The request failed.

The values of X'rr', the reason for failure, are:

Reason	Meaning
X'02'	Invalid subpool token given.
X'03'	The address of the element to be freed is invalid.
X'06'	Invalid length of element specified.
X'07'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'10'	The specified storage subpool was empty.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'ee', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: The request is rejected, and a retry is not attempted (perhaps leaving storage that is never subsequently accessible). An exception trace entry is generated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZFR)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4015 I *date time applid* **FEPI {normal | immediate | forced} termination has started.**

Explanation: The Front End Programming Interface (FEPI) has acknowledged a shutdown request and is starting to terminate.

Message DFHSZ4003 is issued when FEPI completes termination.

FEPI terminates only in response to a CICS shutdown request (such as CEMT PERFORM SHUTDOWN). Some types of CICS shutdown can result in more than one DFHSZ4015 message being issued.

System Action: Certain EXEC CICS FEPI commands are made unavailable during FEPI termination.

Normal termination allows all transactions using FEPI resources to end before FEPI itself ends. However, no new usage of FEPI resources is permitted.

Immediate termination stops usage of FEPI facilities immediately but does a controlled shutdown of communication functions.

Forced termination stops usage of FEPI facilities immediately, and does the quickest possible shutdown of communication functions (which may lead to many VTAM messages being issued).

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZRDP)

XMEOUT Parameters: *date, time, applid, {1=normal, 2=immediate, 3=forced}*

DFHSZ4099 E *date time applid* **FEPI ended abnormally.**

Explanation: The Front End Programming Interface (FEPI) has ended abnormally.

System Action: A system dump is taken. All EXEC CICS FEPI commands are made unavailable.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4101 I *date time applid* **FEPI node nnnnnnnn installed, for transaction xxxx.**

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named node.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, xxxx*

DFHSZ4102 W *date time applid* **FEPI node nnnnnnnn installation failed, code rrr, for transaction xxxx.**

Explanation: The Front End Programming Interface (FEPI) cannot install the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL NODE command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, rrr, xxxx*

<p>DFHSZ4103 I <i>date time applid</i> FEPI node nnnnnnnn discarded, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named node.</p> <p>System Action: Processing continues.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>+ Module: DFHSZRMP(DFHSZRND)</p> <p>XMEOUT Parameters: <i>date, time, applid, nnnnnnnn, xxxx</i></p>	<p>User Response: Investigate the failure, and correct it.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRII)</p> <p>XMEOUT Parameters: <i>date, time, applid, pppppppp, yyyyyyyy, rrr, xxxx</i></p>
<p>DFHSZ4104 I <i>date time applid</i> FEPI node nnnnnnnn discard scheduled, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named node.</p> <p>System Action: Processing continues. The node is discarded when it becomes inactive.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>+ Module: DFHSZRMP(DFHSZRND)</p> <p>XMEOUT Parameters: <i>date, time, applid, nnnnnnnn, xxxx</i></p>	<p>DFHSZ4108 I <i>date time applid</i> FEPI pool pppppppp discarded, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named pool.</p> <p>System Action: Processing continues.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>+ Module: DFHSZRMP(DFHSZRDG)</p> <p>XMEOUT Parameters: <i>date, time, applid, pppppppp, xxxx</i></p>
<p>DFHSZ4105 W <i>date time applid</i> FEPI node nnnnnnnn discard failed, code rrr, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) cannot discard the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD NODE command.</p> <p>System Action: Processing continues.</p> <p>User Response: Investigate the failure, and correct it.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRID)</p> <p>XMEOUT Parameters: <i>date, time, applid, nnnnnnnn, rrr, xxxx</i></p>	<p>DFHSZ4109 I <i>date time applid</i> FEPI pool pppppppp discard scheduled, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named pool.</p> <p>System Action: Processing continues. The pool is discarded when it becomes inactive.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRID)</p> <p>XMEOUT Parameters: <i>date, time, applid, pppppppp, xxxx</i></p>
<p>DFHSZ4106 I <i>date time applid</i> FEPI pool pppppppp (with property set yyyyyyyy) installed, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has successfully installed the named pool which has the characteristics of the named property set.</p> <p>System Action: Processing continues.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRII)</p> <p>XMEOUT Parameters: <i>date, time, applid, pppppppp, yyyyyyyy, xxxx</i></p>	<p>DFHSZ4110 W <i>date time applid</i> FEPI pool pppppppp discard failed, code rrr, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) cannot discard the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD POOL command.</p> <p>System Action: Processing continues.</p> <p>User Response: Investigate the failure, and correct it.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRID)</p> <p>XMEOUT Parameters: <i>date, time, applid, pppppppp, rrr, xxxx</i></p>
<p>DFHSZ4107 W <i>date time applid</i> FEPI pool pppppppp (with property set yyyyyyyy) installation failed, code rrr, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) cannot install the named pool, which has the characteristics of the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL POOL command.</p> <p>System Action: Processing continues.</p>	<p>DFHSZ4111 I <i>date time applid</i> FEPI target tttttttt installed, for transaction xxxx.</p> <p>Explanation: The Front End Programming Interface (FEPI) has successfully installed the named target.</p> <p>System Action: Processing continues.</p> <p>User Response: None.</p> <p>Destination: CSZL</p> <p>Module: DFHSZRMP(DFHSZRII)</p> <p>XMEOUT Parameters: <i>date, time, applid, tttttttt, xxxx</i></p>

DFHSZ4112 W *date time applid FEPI target ttttttt installation failed, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot install the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL TARGET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, ttttttt, rrr, xxxx*

DFHSZ4113 I *date time applid FEPI target ttttttt discarded, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named target.

System Action: Processing continues.

User Response: None.

Destination: CSZL

+ **Module:** DFHSZRMP(DFHSZRDT)

XMEOUT Parameters: *date, time, applid, ttttttt, xxxx*

DFHSZ4114 I *date time applid FEPI target ttttttt discard scheduled, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named target.

System Action: Processing continues. The target is discarded when it becomes inactive.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttt, xxxx*

DFHSZ4115 W *date time applid FEPI target ttttttt discard failed, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot discard the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD TARGET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttt, rrr, xxxx*

DFHSZ4116 I *date time applid FEPI property set yyyyyyyy installed, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named property set.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, xxxx*

DFHSZ4117 W *date time applid FEPI property set yyyyyyyy installation failed, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot install the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL PROPERTYSET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, rrr, xxxx*

DFHSZ4118 I *date time applid FEPI property set yyyyyyyy discarded, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named property set.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, xxxx*

DFHSZ4119 W *date time applid FEPI property set yyyyyyyy discard failed, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot discard the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD PROPERTYSET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, rrr, xxxx*

DFHSZ4120 I *date time applid FEPI node nnnnnnnn added to pool pppppppp, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully added the named node to the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, xxxx*

DFHSZ4121 W *date time applid FEPI node nnnnnnnn not added to pool pppppppp, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot add the named node to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

DFHSZ4122 I

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, rrr, xxxx*

DFHSZ4122 I *date time applid FEPI node nnnnnnnn deleted from pool pppppppp, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully deleted the named node from the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, xxxx*

DFHSZ4123 W *date time applid FEPI node nnnnnnnn not deleted from pool pppppppp, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot delete the named node from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, rrr, xxxx*

DFHSZ4124 I *date time applid FEPI target ttttttt added to pool pppppppp, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully added the named target to the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, ttttttt, pppppppp, xxxx*

DFHSZ4125 W *date time applid FEPI target ttttttt not added to pool pppppppp, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot add the named target to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, ttttttt, pppppppp, rrr, xxxx*

DFHSZ4126 I *date time applid FEPI target ttttttt deleted from pool pppppppp, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) has successfully deleted the named target from the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttt, pppppppp, xxxx*

DFHSZ4127 W *date time applid FEPI target ttttttt not deleted from pool pppppppp, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot delete the named target from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttt, pppppppp, rrr, xxxx*

DFHSZ4128 W *date time applid FEPI delete from pool pppppppp failed, code rrr, for transaction xxxx.*

Explanation: The Front End Programming Interface (FEPI) cannot do a delete operation on the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, pppppppp, rrr, xxxx*

DFHSZ4151 I *date time applid Unsolicited data received for FEPI pool pppppppp target ttttttt node nnnnnnnn. Transaction xxxx started.*

Explanation: The Front End Programming Interface (FEPI) received some unsolicited data for the named pool-target-node connection, and started the named transaction to process this data.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBUN)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, xxxx*

DFHSZ4152 I *date time applid* **Begin-session processing required for FEPI pool *pppppppp* target *ttttttt* node *nnnnnnnn*. Transaction *xxxx* started.**

Explanation: The Front End Programming Interface (FEPI) invoked begin-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBSI)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, xxxx*

DFHSZ4153 I *date time applid* **STSN processing required for FEPI pool *pppppppp* target *ttttttt* node *nnnnnnnn*. Transaction *xxxx* started.**

Explanation: The Front End Programming Interface (FEPI) invoked STSN processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBST)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, xxxx*

DFHSZ4154 W *date time applid* **FEPI session setup in pool *pppppppp* to target *ttttttt* and node *nnnnnnnn* failed with a reason code of *X'rrrrrrrr'*. Setup will be retried later.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this error.

System Action: Processing continues; the session setup is tried again after a short interval, using a different node if one is available.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4155 W *date time applid* **FEPI session in pool *pppppppp* to target *ttttttt* and node *nnnnnnnn* ended with a reason code of *X'rrrrrrrr'*.**

Explanation: The Front End Programming Interface (FEPI) has detected this VTAM event for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this event.

System Action: Processing continues.

— **APAR PQ07545**

Paragraph added to message DFHSZ4155

User Response: None; This message can have a reason code # of zero. If the message is not wanted with a reason code of zero # then we recommend the use of the XMEOUT global user exit to # suppress it.

| **Destination:** CSZL

| **Module:** DFHSZRMP(DFHSZBLO)

| **XMEOUT Parameters:** *date, time, applid, pppppppp, ttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4156 I *date time applid* **End-session processing required for FEPI pool *pppppppp* target *ttttttt* node *nnnnnnnn*. Transaction *xxxx* started.**

Explanation: The Front End Programming Interface (FEPI) invoked end-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBFT)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, xxxx*

DFHSZ4157 W *date time applid* **FEPI session setup in pool *pppppppp* to target *ttttttt* and node *nnnnnnnn* failed with a reason code of *X'rrrrrrrr'*. Setup will not be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this error. Setting up a session for this connection has failed several times.

System Action: Processing continues; the session setup for this connection is not tried again.

User Response: None; operator intervention may be needed to make the connection available.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4158 W *date time applid* **The VTAM OPEN request for FEPI node *nnnnnnnn* failed with a reason code of *X'rrrrrrrr'*. This operation will be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node.

The possible values of *X'rrrrrrrr'*, the reason for failure, are:

Code	Meaning
X'00000000'	VTAM TPEND occurred with error code 0.
X'00000004'	VTAM TPEND occurred with error code 4.
X'00000008'	VTAM TPEND occurred with error code 8.
X'0000000C'	VTAM SETLOGON failed.
other values	VTAM OPEN failed with error code given.

Refer to *VTAM Programming* for a description of these error codes.

System Action: Processing continues; the VTAM OPEN for the node is repeated after a short interval.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4159 W *date time applid* **The VTAM OPEN request for FEPI node nnnnnnnn failed with a reason code of X'rrrrrrrr'. This operation will not be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node. The reason code is the error code returned by the VTAM OPEN operation. Refer to *VTAM Programming* for a description of these error codes.

System Action: Processing continues; the VTAM OPEN for the node is not repeated.

User Response: None; operator intervention may be needed to make the node available.

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4201 I *date time applid* **FEPI node nnnnnnnn now has status {INSERVICE | OUTSERVICE | GOINGOUT}, {ACQUIRED | RELEASED | ACQUIRING | RELEASING}.**

Explanation: The status of a Front End Programming Interface (FEPI) node has been changed by an EXEC CICS FEPI SET NODE or a CEMT SET FENODE command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}, {4=ACQUIRED, 5=RELEASED, 6=ACQUIRING, 7=RELEASING}*

DFHSZ4202 I *date time applid* **FEPI pool pppppppp now has status {INSERVICE | OUTSERVICE | GOINGOUT}.**

Explanation: The status of a Front End Programming Interface (FEPI) pool has been changed by an EXEC CICS FEPI SET POOL or a CEMT SET FEPOOL command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, pppppppp, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}*

DFHSZ4203 I *date time applid* **FEPI target tttttttt now has status {INSERVICE | OUTSERVICE | GOINGOUT}.**

Explanation: The status of a Front End Programming Interface (FEPI) target has been changed by an EXEC CICS FEPI SET TARGET or a CEMT SET FETARGET command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, tttttttt, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}*

DFHTCxxxx messages

DFHTC1001 *applid* **Terminal control initialization failed (modname).**

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated itself with code ATC1.

System Action: CICS writes a transaction dump for the terminal control restart task. CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and one, DFHTC1001, to say that the task has failed. A third message follows, either to say that CICS has terminated abnormally with a dump or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump. Use the messages and dumps to find out the cause of the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSII1, DFHTCRP

XMEOUT Parameters: *applid, modname*

DFHTC1002 *applid* **Unable to link to program DFHTCRP.**

Explanation: The CICS terminal control recovery program, DFHTCRP, is unavailable. CICS cannot find DFHTCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHTCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHTC1003 *applid* Program DFHTCBP cannot be found - message recovery cannot be performed

Explanation: The CICS terminal control backout program, DFHTCBP, is not available. CICS cannot find DFHTCBP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHTCBP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1011 *applid* Unable to load xxxxxx During a CICS cold start, CICS could not PC LOAD the CICS module, DFHxxxxx, probably because it is missing from the library.

System Action: CICS initialization continues, but, even if it completes, VTAM resource initialization will be incorrect in some respect, depending on the function of module DFHxxxxx.

User Response: If CICS completes initialization, processing of VTAM resources will be invalid. You should cancel CICS, make module DFHxxxxx available and then restart CICS.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, xxxxxx*

DFHTC1012 *applid* Failure in installing VTAM resources

Explanation: During a cold start, CICS could not install all the VTAM resources defined by TCT macros. CICS has issued other message(s) identifying which resources could not be installed.

System Action: CICS initialization continues.

User Response: If any of the uninstalled resources is essential, use RDO to make it available, or cancel CICS. The most likely reasons for this message are:

- The output of the DFHTCT assembly was corrupted, or
- A previous CICS message such as DFHTC1011, or
- CICS code contains a logic error.

If you suspect an error in CICS, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1013 *applid* Restore failed for xxxxxx

Explanation: During a warm or emergency restart, CICS could not restore the resource xxxxxx.

System Action: CICS continues initialization. If the resource is defined in a DFHTCT macro, CICS will try to cold start it when processing DFHRDTxx.

User Response: If resource xxxxxx is not cold started, and is essential to your system, cancel CICS. This problem is probably caused by a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, xxxxxx*

DFHTC1015 *applid* TCT load module contains obsolete entries

Explanation: During CICS initialization, the TCT load module DFHTCTxx (xx being the suffix) was found to contain entries not generated by the assembly macros for this release of CICS. This table cannot be used.

System Action: The bring-up is abandoned.

User Response: Either the incorrect TCT suffix was specified or implied, or the TCT has been assembled against the wrong level of CICS macros. Retry the bring-up, specifying a different suffix, or using a TCT assembled against the correct macros, as appropriate.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameter: *applid*

DFHTC1022 *applid* Error for XRF tracking record - Type: *type* - Key: *key*

Explanation: An error during XRF tracking prevented a change to a resource from being tracked. The resource is of type *type* and is associated with key *key*.

type is the tracking record type. This is one of the following:

TCT CONTENTS

ZCP SESSIONS

key is the location of an object in the TCTTE hierarchy.

System Action: The associated resource is in an incorrect state, missing, or not deleted at the end of takeover.

User Response: Decide whether the named resource is critical and see if you can resolve the problem.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, type, key*

DFHTC1023 *applid* Logic error in tracking condition

Explanation: During XRF tracking, a condition was detected which is not possible within the intended design. The insert indicates which of the checked conditions has been detected:

1. No broadcast message accepted outside tracking. The GETMSG routine in DFHTCRP should only accept broadcast messages and those whose id matches that in field GETMSPEC. This field should only be set during tracking.
2. Broadcast message with null key. A null-key record indicates that the catch-up stream that it arrives in is complete. This can only happen to the broadcast tracking stream if the active has just done a normal (warm) shut-down.

System Action: The message in question is ignored

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, condition*

DFHTC1024I *applid* XRF takeover while catching up.

Explanation: The alternate CICS that issued this message has only just started. Apparently the active CICS failed before the alternate could obtain all the information about TCT resources in the active. Please refer to messages DFHTC1034-DFHTC1036 for details of the types of information which may be missing or may be incomplete.

System Action: Takeover continues.

User Response: Watch for further messages.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1034I *applid* TCT contents incomplete. Will read catalog.

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the definitions for all the trackable resources in the active's TCT. Definitions may be missing at this point. However, the CICS catalog in the active may contain a more complete set of definitions in the restart data set. These will now be read as for a warm or emergency restart.

System Action: Takeover continues.

User Response: Look out for any errors while reading the CICS catalog.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1035E *applid* Session states may be incorrect

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the session-state for all the trackable resources in the active's TCT. States may be incorrect at this point.

System Action: Takeover continues.

User Response: Be prepared for some logical units (LUs) that were ACQUIRED in the old active not to be after the takeover.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1036I *applid* Unimplemented tracking-type incomplete:
xxxx

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS had been sent all the information regarding a type of resource which has not been implemented. This does not have any serious consequences as the information would have been thrown away. However, it does indicate a level of incompatibility between the old active system and this system.

System Action: Takeover continues.

User Response: Decide whether the implied level incompatibility exists and is expected. DFHTCRP

XMEOUT Parameters: *applid, xxxx*

DFHTC1040I *applid nnnn* Terminal control tracking records received.

Explanation: An alternate is standing by and has received *nnnn* terminal control tracking messages from the active.

System Action: Tracking continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, nnnn*

DFHTC1041I *applid* Terminal control tracking started.

Explanation: An alternate is initializing, and is now about to start accepting messages from the active. Message DFHTC1044 should appear shortly.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1042I *applid* Waiting for terminal control tracking to drain.

Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. This message is issued every 15 seconds while the takeover is held up for processing to complete. This is potentially an error, especially if it is repeated an unusual number of times. The likely causes include a delay in STANDBY BIND or UNBIND processing in VTAM, or a CICS logic error. The system issues this message twice and then flushes the outstanding tracking activity as described in message DFHTC1046.

User Response: Look for message DFHTC1046.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHTC1043I *applid* Terminal control tracking ended - *nnn* records received.

Explanation: An XRF alternate system is taking over. The last of the terminal control tracking records from the failing active system has been received and is being processed.

System Action: Takeover continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, nnn*

DFHTC1044I *applid* Terminal control catch-up started.

Explanation: An XRF alternate system is preparing to standby and has received the first message from the active containing information about terminal control resources installed and/or bound before this alternate was started.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHTCRP
XMEOUT Parameter: *applid*

DFHTC1045I *applid* Terminal control catch-up complete.

Explanation: An XRF alternate system is standing by, and has now received all the terminal control information it needs about terminal control resources installed and/or bound in the active before this alternate was started.

System Action: Normal tracking continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1046I *applid* Flushing terminal control tracking.

Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. Message DFHTC1042 has been issued twice. DFHZXQO is now doing a controlled flush of the outstanding activity.

System Action: CICS posts one outstanding action every 2 seconds in an attempt to free the hold-up.

+ APAR PN83800

+ A system dump is taken for the first action only.

User Response: This processing only occurs when an error or unforeseen circumstance arises. If the problem can be reproduced, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHTC1047I *applid* Higher node missing. Record dropped for *key*

Explanation: An XRF alternate has received a tracking message from the active CICS, but either the associated system entry for this terminal is not present, or the ordering of terminal catalog records on the restart data set is incorrect. (In that the terminal in error comes before the associated system entry.)

key is the location of an object in the TCTTE hierarchy. Further information on the way CICS uses tracking for XRF can be found in the *CICS/ESA 3.3 XRF Guide*. This situation occurs if the active was unable to send all of its tracking messages. This sometimes results in the system entry not being sent.

System Action: The tracking message is discarded and so the associated action (an INSTALL or LOGON) is not performed.

User Response: Ensure the CAVM message data set is large enough and restart the alternate. Check that the active CICS job is referring to the correct restart data set.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, key*

DFHTC1060 *applid* Insufficient storage (code FCF7) in module DFHTCRP.

Explanation: A request for storage could not be satisfied in module DFHTCRP. The specific error is identified by the code FCF7. This implies that the dynamic storage area (DSA) size is too small.

System Action: Terminal control initialization is terminated with a system dump and message DFHTC1001 is issued.

User Response: Since sufficient storage should be obtainable from within the minimum size DSA, this may imply a logic error within CICS. Try to increase the CDSASZE parameter in the system initialization table (SIT). You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1575 *applid* No TCT entry for *termid*

Explanation: This message is issued when system initialization reads a warm start record for which there is no matching terminal control table (TCT) entry. *termid* is the TCT name that is missing.

System Action: The record is ignored.

User Response: If TCT *termid* is required, system initialization should be canceled. Ensure that a matching TCT entry for terminal *termid* exists and retry.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, termid*

DFHTC2500 *date time applid* {*Line* | *CU* | *Terminal*}out of service {*Term* | *W/Term*}*termid*

Explanation: This message indicates the OUT-OF-SERVICE conditions on completion of error processing in DFHTACP. It is possible that some of these conditions were true before the error was detected.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=Line, 2=CU, 3=Terminal}, {1=Term, 2=W/Term}, termid*

DFHTC2501 Msg too long, please resubmit

Explanation: The terminal operator has keyed in more data than was expected for this READ.

System Action: The transaction in progress is terminated.

User Response: Reset the terminal and restart the transaction after the message TRANSACTION HAS BEEN ABENDED has been received.

Destination: Terminal End User

Module: DFHTACP

DFHTC2502 *date time applid TCT search error {on line w/term | at term }termid{, trans |, dest }trandid|destid{, rel line=}rr,time*

Explanation: An invalid terminal address was received on the line identified by terminal *termid*. This error can normally occur only on control unit devices such as a 2980 or a 3270. This is because CICS uses general polling and not all terminals on the control unit may be defined to CICS. All other conditions are undefined. The optional part of the message "**destdestid**" applies only to TCAM. The destination *destid* is given when it does not match any of the network names (netnames) specified on the TCTTE generation.

System Action: The control unit is placed out of service or, if it is not a general polled device, the line is placed out of service.

User Response: Ensure that all terminals on the failing control unit are defined in the terminal control table (TCT).

Where applicable, ensure that the TCAM MCP terminal generation names match the CICS DFHTCT TYPE=TERMINAL NETNAME parameter.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans, 2=, dest}, trandid|destid, {1=, rel line=}, rr, time*

DFHTC2506 *date time applid Output event rejected return code zz {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: An output operation was attempted but was halted by the I/O routines and resulted in the SAM return code *zz*. If an abnormal condition is detected after a READ or WRITE macro, the operation is not started, and control is returned to the user program at the instruction following the READ or WRITE macro.

System Action: The line is placed out of service.

User Response: Ensure that the system is dumped at shutdown time in order to document the failure. For an explanation of the SAM return codes, *zz*, refer to the OS/VS SAM manual, (GC27-6980).

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, zz, {1=on line w/term, 2=at term}, termid, {1=, trans}, trandid, {1=, rel line=}, rr, time*

DFHTC2507 *date time applid Input event rejected return code zz {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: An input operation was attempted but was halted by the I/O routines, and resulted in the SAM return code *zz*. If an abnormal condition is detected after a READ or WRITE macro instruction, the operation is not started, and control is returned to your program at the instruction following the READ or WRITE macro instruction.

System Action: The line is placed out of service.

User Response: Ensure the system is dumped at shutdown time in order to document the failure.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, zz, {1=on line w/term, 2=at term}, termid, {1=, trans}, trandid, {1=, rel line=}, rr, time*

DFHTC2511 *date time applid Invalid write request {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: This message is issued when one of the following has occurred.

1. A transaction has issued a write to its terminal facility that currently has a terminal status of input.
2. A transaction has issued a write to a 3735 during batch transmission prior to receipt of the end-of-file (EOF) condition.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: The user response depends on the condition that has occurred. For condition

1. ensure that transactions do not issue write requests to terminals in input status.
2. ensure that the 3735 batch transaction does not issue its first write request before it has received the EOF condition.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, trandid, {1=, rel line=}, rr, time*

DFHTC2513 *date time applid Output length zero {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: The data length in TIOATDL was not positive for a write operation.

System Action: The transaction is abnormally terminated.

User Response: Correct the zero or negative data length specification in the application program.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, trandid, {1=, rel line=}, rr, time*

DFHTC2514 *date time applid No output area provided {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: A write was requested on terminal *termid* by transaction *trandid*. However, the TCTTEDA field was not initialized.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that transaction *trandid* obtains the required storage and initializes the TCTTEDA field.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, trandid, {1=, rel line=}, rr, time*

DFHTC2515 *date time applid Output area exceeded {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: One of the following has occurred:

- The terminal I/O area (TIOA) is not large enough to contain both the data and carrier control characters.
- The TIOA data length is greater than the TCAM block size specified in the DFHTCT TYPE=SDSCI macro.

+ **APAR PN89372**

- The application requires a TIOA larger than 32767 bytes.

System Action: The write request is not executed, the terminal write storage is freed (if possible), and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that application programs do not set the value TIOATDL greater than the TIOA GETMAIN size, and that the TIOA data length is not greater than the TCAM blocksize.

+ **APAR PN89372**

- + Ensure also that the application does not require a TIOA of more than 32767 bytes.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, tranid, {1=, rel line=}, rr, time*

DFHTC2516 *date time applid Unit check SNS=ss {on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A unit check error has occurred on the line defined by terminal *termid*. The sense (SNS=ss) is provided.

D/T 3275 dialed gives an automatic two-minute time out if there is no activity on the line.

System Action: The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the line to be placed out of service. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

Lost data on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. The transaction is abnormally terminated.

Time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, ss, {1=on line w/term, 2=at term}, termid, {1=, trans}, tranid, {1=, rel line=}, rr, time*

DFHTC2517 *date time applid Unit check SNS=ss, S.N.O. {on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A unit check error has occurred on the line defined by terminal *termid*. SAM indicates this error as undefined - S.N.O (should not occur). The sense (SNS=ss) is provided.

System Action: The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention

on a nonswitched line with a dummy (unidentified) terminal causes the terminal to be placed out of service and the transaction (task) to be abnormally terminated. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, ss, {1=on line w/term, 2=at term}, termid, {1=, trans}, tranid, {1=, rel line=}, rr, time*

DFHTC2518 *date time applid Unit exception on {on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A unit exception error occurred on the line defined by terminal *termid*.

System Action: With a:

- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, tranid, {1=, rel line=}, rr, time*

DFHTC2519 *date time applid Unit exception S.N.O. {on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A unit exception error has occurred on the line defined by terminal *termid*. SAM indicates this error as undefined - S.N.O (should not occur).

System Action: With a:

- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans}, tranid, {1=, rel line=}, rr, time*

DFHTC2521 *date time applid Undetermined unit error {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: An I/O error (that was *not* a unit check, a unit exception, or a negative response) occurred on the line defined by terminal *termid*.

System Action: The line associated with terminal *termid* is placed out of service.

User Response: Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans }, trandid, {1=, rel line=}, rr, time*

DFHTC2522 *date time applid Intercept Required for terminal termid transaction trandid,time*

Explanation: The task associated with terminal *termid* and transaction *trandid* was to have been abnormally terminated, but TPURGE(NO) was specified in the CSD definition for this task.

System Action: The terminal is placed out of service.

User Response: Use the master terminal facility to intercept or terminate the task.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, termid, trandid, time*

DFHTC2529 *date time applid Unsolicited input {on line w/term | at term }termid{, trans }trandid{, rel line=}rr,time*

Explanation: Input has occurred on a control unit (general poll) for which terminal *termid* is out of service or has a task that has not issued a DFHTC TYPE=READ macro.

System Action: No action is performed by CICS. Control is given to a user-written terminal error program, DFHTEP.

User Response: Code DFHTEP as dictated by environmental needs.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term, 2=at term}, termid, {1=, trans }, trandid, {1=, rel line=}, rr, time*

DFHTC2534 *date time applid Invalid destination at term termid, trans trandid,time*

Explanation: An invalid destination was passed to TCAM from terminal *termid*.

System Action: The write is halted and the task is abnormally terminated with a dump.

User Response: Ensure that the destination is defined in the TCAM message control program (MCP).

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, termid, trandid, time*

DFHTC2536 *date time applid Link to DFHTEP from DFHTACP failed because {module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}.*

Explanation: While processing an error for a non-VTAM terminal, CICS attempted to link to user replaceable module DFHTEP. The link failed. One or more of the default actions described in message DFHTC2538 have been taken.

System Action: The default action(s) set by DFHTACP are taken.

User Response: Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken.

Possible solutions are:

- Ensure that DFHTEP is linked with AMODE 31.
- Ensure that DFHTEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that the PPT entry for module DFHTEP exists and is valid.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=module DFHTEP is not AMODE 31, 2=module DFHTEP could not be loaded, 3=there is no PPT entry for program DFHTEP}*

DFHTC2537 *date time applid Abend abcode has occurred in module DFHTEP.*

Explanation: While processing an error for a non-VTAM terminal, user replaceable module DFHTEP was linked to and the program has abended with abend code *abcode*. One or more of the default actions described in message DFHTC2538 have been taken.

System Action: Control is passed back to the calling module DFHTACP. DFHTACP reinstates the default action(s) set before DFHTEP was called. The action(s) are then taken.

User Response: Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken. Refer to abend code *abcode* for details of the original error. Follow the user response given in abend code *abcode* to solve the problem.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, abcode*

DFHTC2538 *date time applid I Default actions actions have been taken for message number related message.*

Explanation: A problem has arisen during the processing of an error for a non-VTAM terminal and message *msgno* has been issued. The explanations for all possible default actions are as follows:

Action	Meaning
LINEOS	Place line out of service
NONPRGT	Non purgeable task
TERMOS	Place terminal out of service
ABENDT	Abend task on terminal
ABORTWR	Abort write and free terminal storage
RELTIOA	Release TCAM incoming message
SIGNOFF	Call the signoff program for terminal in error

System Action: The system action is stated in message *related message*.

User Response: Follow the guidance given in the user response section of message *related message*.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, actions, related message*

DFHTC8510 *date time applid SNA protocol violation detected in query response at termid termid*

Explanation: CICS has detected a violation of SNA protocols in a query response from device *termid*.

System Action: DFHQRY runs without effect.

User Response: Find out why an invalid query response is being sent to CICS.

Destination: CSMT

Module: DFHQRY

XMEOUT Parameters: *date, time, applid, termid*

DFHTDxxxx messages

DFHTD0001 *applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.*

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *MVS/ESA System Codes* manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTD0002 *applid A severe error (code X'code') has occurred in module modname.*

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The severity of this error depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, X'code', modname*

DFHTD0003 *applid Insufficient storage (code X'code') in module modname.*

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *X'code'*). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, X'code', modname*

DFHTD0004 *applid* **A possible loop has been detected at offset X'offset' in module modname.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, X'offset', modname*

DFHTD0005 *applid* **A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.**

Explanation: An error has occurred during the running of module *modname*.

The MVS Store Clock facility is the timing mechanism for the operating system.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry (code X'code') is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, modname, X'code'*

DFHTD0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all

CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPTD

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHTD0100I *applid* **Transient Data initialization has started.**

Explanation: This is an informational message indicating that transient data initialization has started.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0101I *applid* **Transient Data initialization has ended.**

Explanation: This is an informational message indicating that transient data initialization has completed successfully.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0102A *applid* **Transient Data initialization has failed.**

Explanation: Transient data initialization has failed.

The SETXIT routine in DFHTDRP has been entered following abnormal termination of the transient data initialization task.

System Action: Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.

If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.

User Response: Check previous console messages, one of which should explain why transient data initialization has failed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0103I *applid* **Transient Data initialization has been suspended pending takeover.**

Explanation: This is an informational message indicating that transient data initialization has been suspended pending takeover. Some transient data initialization can be performed while CICS is operating in standby mode. However the remaining initialization can not be performed until takeover is complete because transient data sets, with the exception of the DFHCXRF data set, are assumed to be passively shared.

System Action: System initialization continues.

User Response: None.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0104I *applid* **Transient Data initialization has been resumed following takeover.**

Explanation: This is an informational message indicating that transient data initialization has been resumed following takeover.

System Action: System initialization continues.

User Response: None.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0180 *applid* **Unexpected response (code X'response') and reason (code X'reason') from a dfhxxyym call.**

Explanation: Module DFHTDA cannot continue processing following the failure of a *dfhxxyym* call to domain *xx*.

The response (code X 'response') and reason (code X 'reason') are those returned from the domain call (that is, *xxyy_response* and *xxyy_reason*).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0180 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDA

XMEOUT Parameters: *applid, X'response', X'reason', dfhxxyym*

DFHTD0181 *applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxyym call.*

Explanation: Module DFHTDB cannot continue processing following the failure of a *dfhxyym* call to domain *xx*.

The response (code X'*response'*) and reason (code X'*reason'*) are those returned from the domain call (that is, *xyyy_response* and *xyyy_reason*).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0181 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDB

XMEOUT Parameters: *applid, X'response', X'reason', dfhxyym*

DFHTD0182 *applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxyym call.*

Explanation: Module DFHTDRP cannot continue processing following the failure of a *dfhxyym* call to domain *xx*.

The response (code X'*response'*) and reason (code X'*reason'*) are those returned from the domain call (that is, *xyyy_response* and *xyyy_reason*).

System Action: This is a critical error.

CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, X'response', X'reason', dfhxyym*

DFHTD0183 *applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxyym call during processing of intrapartition queue queue.*

Explanation: The trigger level has been reached for intrapartition transient data queue *queue*.

Module DFHTDB could not initiate the associated transaction following the response of a *dfhxyym* call to domain *xx*.

The response (code X'*response'*) and reason (code X'*reason'*) are those returned from the domain call (that is, *xyyy_response* and *xyyy_reason*).

Initiation of the associated transaction has failed.

System Action: This is probably a CICS logic error.

Each subsequent write to the transient data queue causes another attempt to initiate the transaction, which will fail. However, this message is only issued the first time the error is detected.

CICS writes a dump and continues processing. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDB

XMEOUT Parameters: *applid, X'response', X'reason', dfhxyym, queue*

DFHTD0240 *applid Queue queue (DD name ddname) is full.*

Explanation: No more data can be written to extrapartition queue *queue*.

A system abend, MVS code X'37', has occurred during processing on the data set with *ddname ddname*.

System Action: If the system abend occurs during processing of an EXEC CICS WRITEQ TD command, the NOSPACE condition is returned.

If the system abend occurs during processing of an EXEC CICS SET TDQUEUE CLOSED command, the data set is not closed and the IOERR condition is returned.

Note that a second attempt to close the data set succeeds.

User Response: Consider allocating more space to the data set before you bring CICS up again.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA from code contained in copybook DFHTDEXP

XMEOUT Parameters: *applid, queue, ddname*

DFHTD0242 *applid Abend abcode has been detected during processing for queue queue (DD name ddname).*

Explanation: A system abend, MVS code *abcode*, has occurred during processing on the extrapartition queue *queue* (that is, the data set with *ddname ddname*).

System Action: A system dump with dumpcode TD0242 is taken unless you have specifically suppressed dumps in the dump table.

Since this may not be a critical error, CICS is not terminated, and the IOERROR condition is returned.

User Response: This message can be suppressed with the system initialization parameter MSGLVL=0.

Examine the CICS job log. QSAM issues a message explaining the reason for the system abend. See *MVS/ESA System Messages* for a description of this message.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA from code contained in copybook DFHTDEXP
XMEOUT Parameters: *applid, abcode, queue, ddname*

DFHTD0244 *applid* An I/O error has occurred during an output operation to an extrapartition dataset for queue *queue*. (DD name = *ddname*).

Explanation: An I/O error has occurred during the processing of an output operation to the extrapartition data set *ddname* on queue *queue*.

This message is issued by module DFHTDA from code contained in copybook DFHTDEXP.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close dataset *ddname* via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDA

XMEOUT Parameters: *applid, queue, ddname*

```
# _____ APAR PQ07370 _____
# |
# | New message DFHTD0245
# |
# |_____
```

DFHTD0245 *applid* NOSPACE condition on a PUT to the intrapartition data set (DD name *ddname*). The RBA of the next CI would have exceeded 2 gigabytes.

Explanation: An attempt to write to intrapartition transient data set with *ddname ddname* has failed due to a NOSPACE condition. CICS did attempt to extend the data set but the relative byte address (RBA) of the next control interval (CI), if it were added, would have exceeded 2 gigabytes (x'7FFFFFFF').

System Action: The system continues normally.

User Response: Delete unwanted transient data queues from the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDB ;erev refid=qa.

XMEOUT Parameters: *applid, ddname*

DFHTD0246 *applid* An I/O error has occurred during an input operation to an extrapartition dataset for queue *queue*. (DD name = *ddname*).

Explanation: An I/O error has occurred during the processing of an input operation to the extrapartition data set *ddname* on queue *queue*. This message is issued by module DFHTDA from code contained in copybook DFHTDEXP.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close dataset *ddname* via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this dataset on a different volume.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDA

XMEOUT Parameters: *applid, queue, ddname*

DFHTD0340 *applid* Transaction *transid* initiated when the trigger level is reached for Transient Data queue *queue* is defined as REMOTE. The transaction initiation has failed.

Explanation: The trigger level has been reached for the transient data queue *queue*. The transaction associated with the queue is remote, which is invalid for trigger transactions. The initiation of the transaction has, therefore, failed.

System Action: Until the error is corrected, each subsequent write to the transient data queue causes another attempt to initiate the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User Response: Perform one of the following, as appropriate:

- If the transid in the DCT is incorrect:
 - Amend the DCT, replacing the transid for the queue with a transid that is local, and reassemble, or
 - Use EXEC CICS SET TDQUEUE(*queue*) ATITRANID(*transid*) to replace the transid for the queue with a local transid. See the *CICS/ESA System Programming Reference* for more information.
- If the transaction definition is incorrect, amend the transaction definition using CEDA to make the transaction local.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB

XMEOUT Parameters: *applid, transid, queue*

DFHTD0341 *applid* Transaction *transid* associated with the trigger level for Transient Data queue *queue* has not been initiated.

Explanation: The trigger level has been reached for transient data queue *queue*. Initiation of the associated transaction has failed due to an error in system set up.

System Action: Until the error is corrected, each subsequent write to the transient data queue will cause another attempt to initiate the transaction, which will fail. However, in order to avoid filling the log with messages, this message will only be issued the first time the error is detected.

User Response: Check the definition for the queue in the DCT. The queue must have a transaction associated with it that exists, is defined as local, and is installed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB

XMEOUT Parameters: *applid, transid, queue*

DFHTD0342 *applid* Transaction *transid* associated with the trigger level for Transient Data queue *queue* has not been scheduled.

Explanation: The trigger level has been reached for the transient data queue *queue*. The schedule of the associated transaction has failed due to an error in system set up.

System Action: Until the error is corrected, each subsequent write to the transient data queue causes another attempt to schedule the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User Response: Check the following and amend if necessary:

- The queue must have a transaction associated with it that exists, is defined as local, and is installed.

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APAR PN87931

+

The transaction was local because the Remote attributes were not set in the transaction definition, but the dynamic parm indicated that the transaction could be remote.

+

- For DESTFAC (destination facility) of SYSTEM or TERMINAL, the named facility must exist, and any required system links must be installed and in service.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB

XMEOUT Parameters: *applid, transid, queue*

DFHTD0343 *date time applid* Automatic transaction restart for transaction *transid* processing TD queue *queue-name* has failed.

Explanation: A transaction that was attached when a TD trigger level was reached is ending abnormally and automatic transaction restart was requested for this transaction via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System Action: Message DFHAP0002 is issued with a dump for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.

The system attempts to reattach the trigger level transaction when the next TD request is received for this TD queue and the trigger level has been reached or exceeded.

User Response: Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDXM

XMEOUT Parameters: *date, time, applid, transid, queue-name*

DFHTD0360 *applid* Logical I/O error occurred during a GET request to the intrapartition data set (DD name *ddname*); VSAM return codes are R15=*X'retcode*, FDBK=*X'fdbkcode*'.

Explanation: An attempt to read a control interval from the intrapartition data set with *ddname ddname* has failed due to a logical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0360 is taken unless you have specifically suppressed dumps in the dump table.

User Response: Message DFHME0116 is normally produced containing the symptom string for this problem. For the meaning of the codes in the message, refer to the *MVS/DFP Macro Instructions for VSAM Data Sets*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, ddname, X'retcode, X'fdbkcode*

DFHTD0361 *applid* Logical I/O error occurred during a PUT request to the intrapartition data set (DD name *ddname*); VSAM return codes are R15=*X'retcode*, FDBK=*X'fdbkcode*'.

Explanation: An attempt to (re)write a control interval to the intrapartition data set with *ddname ddname* has failed due to a logical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0361 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the codes in the message, refer to the *MVS/DFP Macro Instructions for VSAM Data Sets*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, ddname, X'retcode, X'fdbkcode*

DFHTD0362 *applid* Physical I/O error occurred during a GET request to the inpartition data set (DD name *ddname*); VSAM return codes are R15=*X'retcode*', FDBK=*X'fdbkcode*'.

Explanation: An attempt to read a control interval from the inpartition data set with *ddname* has failed due to a physical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: A system dump with dumpcode TD0362 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: For the meaning of the codes in the message, refer to the *MVS/DFP Macro Instructions for VSAM Data Sets*.

A copy of the physical error message produced by VSAM appears in (one of) the transient data VSAM error message area(s) in the system dump.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid*, *ddname*, *X'retcode*', *X'fdbkcode*'

DFHTD0363 *applid* Physical I/O error occurred during a PUT request to the inpartition data set (DD name *ddname*); VSAM return codes are R15=*X'retcode*', FDBK=*X'fdbkcode*'.

Explanation: An attempt to (re)write a control interval to the inpartition data set with *ddname* has failed due to a physical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: A system dump with dumpcode TD0363 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: For the meaning of the codes in the message, refer to the *MVS/DFP Macro Instructions for VSAM Data Sets*.

A copy of the physical error message produced by VSAM will appear in (one of) the Transient Data VSAM Error Message Area(s) in the system dump.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid*, *ddname*, *X'retcode*', *X'fdbkcode*'

DFHTD0380 *applid* Illegal attempt to read control interval 0 for the inpartition data set (DD name *ddname*).

Explanation: Control interval 0 in the inpartition data set is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to read control interval 0 for the inpartition data set with *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0380 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Each inpartition DCTE contains pointers which, if the queue is not empty, are relative byte addresses (RBAs) associated with the inpartition data set with *ddname*.

Furthermore each allocated control interval, apart from the first, contains one or more user records as well as a queue control record. This latter record, the first in the control interval, contains the forward chain pointer or RBA for the next control interval containing data for the queue.

In each case, transient data assumes that RBAs address record boundaries within the inpartition data set.

The assumption can be violated in several ways. The type of violation may be determined from:

- a control interval print of the inpartition data set, or
- using Access Method Services, or
- using the system dump.

Violations include:

- **THE WRONG INTRAPARTITION DATA SET WAS USED**
If the wrong data set has been used, that is, the data set used for this CICS start up was not used for the previous CICS start up, then it is highly probable that most of the RBAs in the DCTEs will not address record boundaries in the inpartition data set.
CICS may be restarted but transient data must be COLD STARTED.
- **THE INTRAPARTITION DATA SET WAS ALTERED**
If the records have been moved, possibly through data set compression, then it is highly probable that control interval 0 will contain more than one record and that most of the RBAs in the DCTEs will not address record boundaries in the inpartition data set.
CICS may be restarted but transient data must be COLD STARTED.
- **A DCTE WAS CORRUPTED**
If a DCTE has been corrupted then it is highly probable that just one or two RBAs will not address record boundaries in the inpartition data set.
A specialized trap may be required to identify the offending program.
CICS may be restarted. An emergency restart for transient data will result in the RBAs being reconstructed from the system log and the inpartition data set.
Note: If an activity keypoint was taken between the occurrence of the error and its detection then it may prove necessary for transient data to be COLD STARTED.
- **AN I/O BUFFER WAS CORRUPTED**

If an I/O buffer has been corrupted then it is highly probable one of the RBAs in the DCTE will not address record boundaries in the I/O buffer.

A specialized trap may be required to identify the offending program.

CICS may be restarted. An emergency restart for transient data results in the RBAs being reconstructed from the system log and the intrapartition data set.

Note: If the contents of the I/O buffer were written to the intrapartition data set between the occurrence of the error and its detection then it may prove necessary for transient data to be COLD STARTED.

- A CICS LOGIC ERROR OCCURRED
You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, ddname*

DFHTD0381 *applid* Invalid attempt to (re)write control interval 0 for the intrapartition data set (DD name *ddname*).

Explanation: Control interval 0 in the intrapartition data set is reserved for Transient Data control information; the remaining control intervals are allocated to hold data for queues as determined by Transient Data processing on behalf of application program requests.

An invalid attempt has been made to (re)write control interval 0 for the intrapartition data set with *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0381 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, ddname*

DFHTD0382 *applid* The output pointer for queue *qqqq* does not match the contents of the intrapartition data set (DD name *ddname*).

Explanation: The output pointer for queue *qqqq* does not address a record boundary within the intrapartition data set with *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0382 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0383 *applid* The input pointer for queue *qqqq* does not match the contents of the intrapartition data set (DD name *ddname*).

Explanation: The input pointer for queue *qqqq* does not address a record boundary within the intrapartition data set with *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0383 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0384 *applid* A forward chain pointer for queue *qqqq* does not match the contents of the intrapartition data set (DD name *ddname*).

Explanation: A forward chain pointer for queue *qqqq* is invalid with respect to the intrapartition data set with *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0384 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB.

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0385 *applid* Invalid attempt to allocate/deallocate CI 0 for the intrapartition data set (DD name *ddname*).

Explanation: Control interval (CI) 0 in the intrapartition data set, *ddname*, is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

System Action: System dump TD0385 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error. CICS is terminated even if you have specified in the dump table that CICS should not terminate.

User Response: Refer to the **User Response** of message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB from code contained in copybook DFHTDSUB

XMEOUT Parameters: *applid, ddname*

DFHTD1210 *applid* DCT index in error, *xxxx* failed

Explanation: While carrying out operation *xxxx* (CREATEINDEX, ADD, LOCATE, or GETNEXT), CICS found an error in the destination control table (DCT) index. The most likely reasons for this error are:

1. Storage violation.

An application program has overwritten the index,

or

2. CICS logic error

The CICS table mapping program, DFHTMP, created the index incorrectly.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

The *CICS/ESA Data Areas* gives the format of the DCT index entries, under TMDL and TMSKT. Find these entries in the dump and find the invalid data, which may help you to decide if the problem is caused by a storage violation or a CICS error.

Assuming that the error is a storage violation, and that you have activated the trace facility, find in the trace the unsuccessful attempt to access the DCT by DFHTDP. Then find the last preceding successful access. You have now narrowed the search to programs that were running between these two accesses. Examine these programs for an error that could cause a storage violation.

If you have not activated trace, but you can recreate the error, activate trace, recreate the error, and proceed as in the previous paragraph.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1211 *applid* DCT in error

Explanation: CICS found corrupted data in the DCT.

At CICS initialization, the table management program (DFHTMP) set up index links to the destination control table (DCT) which were then validly formatted.

Since initialization, the DCT has been overwritten, almost certainly by an application program (storage violation).

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Assuming that you have activated the trace facility, find in the trace the unsuccessful attempt to access the DCT by DFHTDRP. Then find the last preceding successful access. You have now narrowed the search to programs that were running between these two accesses.

If you have not activated trace, but you can recreate the error, then activate trace, recreate the error, and proceed as in the previous paragraph.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1212 *applid* Unrecognizable entry found in the DCT

Explanation: During initialization, CICS found an unrecognizable entry in the destination control table (DCT). This means that the loaded DCT is in error – either a DFHDCT macro was coded incorrectly, or the output of the macro assembly was corrupted.

System Action: CICS ignores the unrecognizable DCT entry and all subsequent DCT entries, and continues initialization.

User Response: Depending on how many DCT entries CICS has ignored, you may have almost all or very few transient data destinations available in the initialized run. You must decide whether or not to terminate CICS. To solve the problem permanently, remove or replace the invalid DCT entry.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1213 *applid* Duplicate entry for *xxxx* found in the DCT

Explanation: During initialization, CICS found a duplicate entry in the destination control table (DCT) for destination *xxxx*. Either the entries are true duplicates, or one entry contains an incorrect destination name.

System Action: CICS ignores the duplicate DCT entry, and continues initialization.

User Response: First, decide whether you want CICS to continue without the ignored entry. If the entry is not a true duplicate, you

DFHTD1214

may be running without an important destination. To solve the problem permanently, either remove the duplicate entry from the DCT, or correct its destination name.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1214 *applid* No entry for *xxxx* found in the DCT

Explanation: During Warm or Emergency restart, the transient data recovery program (DFHTDRP) read a catalog or recovery record for destination *xxxx*. However, the DCT contains no entry for destination *xxxx*. Almost certainly you are using a different DCT from the one that was in use when CICS abnormally terminated.

System Action: CICS ignores the record and continues initialization.

User Response: First, decide whether you want CICS to continue without the missing transient data destination which will not be recovered and cannot be accessed in this run. The safest action is to cancel CICS and perform another emergency restart with the correct DCT.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1215 *applid* Conflicting entry for *xxxx* found in the DCT

Explanation: During a warm start, the transient data recovery program (DFHTDRP) has read a catalog or recovery record for destination *xxxx*. However, the destination control table (DCT) entry for destination *xxxx* conflicts with the destination definition in the record. Almost certainly you are using a different DCT from the one in use when CICS terminated.

System Action: CICS ignores the record and continues initialization.

User Response: First, decide whether you want CICS to continue without the ignored record. If not, cancel CICS, and restart with the correct DCT.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1216 *applid* Loop starting with indirect entry *xxxx* found in the DCT

Explanation: During initialization, the transient data recovery program (DFHTDRP) followed a chain of indirection pointers beginning with destination control table (DCT) entry *xxxx* and found the chain to be endless.

System Action: CICS sets the indirection pointer in entry *xxxx* to zero and continues initialization.

User Response: Check all DCT entries defined as TYPE=INDIRECT. Correct the entry (or entries) in error.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1220 *applid* Unrecognizable entry found in a DCT catalog record

Explanation: During a warm start, the transient data recovery program (DFHTDRP) read a transient data catalog record containing an unrecognizable entry. You may have specified an incorrect data set in the startup job stream.

System Action: CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you cannot find a simple explanation (such as incorrect JCL), you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1221 *applid* DCT not restored, *xxxx* failed

Explanation: During a warm start, while carrying out operation *xxxx* (CONNECT, STARTBROWSE, GETNEXT, ENDBROWSE, or DISCONNECT), the transient data recovery program (DFHTDRP) found an error in the destination control table (DCT) catalog.

The most likely reasons for this error are I/O errors in the catalog data set, or a logic error in the CICS module, DFHCCCC.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHS1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHS1522.

Determine and correct the I/O errors on the catalog data set. If you cannot restore the catalog data set, or suspect that there might be a CICS logic error in DFHCCCC, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1222 *applid* Unrecognizable entry found in a CSM catalog record

Explanation: CICS has found an unrecognizable entry in an RSD catalog record for the CSM (control interval state map or transient data bit map). An error may have occurred during the last CICS shutdown, resulting in the overwriting of the CSM.

System Action: CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1223 *applid* CSM not restored, xxxx failed

Explanation: While carrying out operation xxxx (CONNECT, STARTBROWSE, GETNEXT, ENDBROWSE, or DISCONNECT), the transient data recovery program (DFHTDRP) found an error in a catalog record for the control interval state map (transient data bit map).

The most likely reasons for this error are I/O errors in the catalog data set, or a logic error in the CICS module, DFHCCCC.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Determine and correct the I/O errors on the catalog data set. If you cannot restore the catalog data set, or suspect that there might be a CICS logic error in DFHCCCC, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1230 *applid* Unrecognizable entry found in a DCT recovery record

Explanation: CICS has found an unrecognizable entry in a recovery record for the destination control table (DCT).

System Action: CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1231 *applid* DCT not recovered, xxxx failed

Explanation: While carrying out operation xxxx (CONNECT, STARTBROWSE, GETNEXT, ENDBROWSE, or DISCONNECT), the transient data recovery program (DFHTDRP) found an error in a recovery record for the DCT.

The most likely reasons for this error are I/O errors in the recovery data set, or a logic error in the CICS module, DFHRCP.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

If you cannot restore the recovery data set, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1232 *applid* CSM not recovered, {Forward Chain | Record Offset} in error for qname

Explanation: A forward chain or record offset error occurred while attempting to recover the CI storage map for the intrapartition transient data set (DFHINTRA). The field *qname* gives the name of the transient data queue which could not be recovered.

The most likely reasons for this error are corrupted data on the intrapartition data set or I/O errors on the intrapartition data set.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

If you cannot restore the intrapartition data set, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, {1=Forward Chain, 2=Record Offset}, qname*

DFHTD1260 *applid* No DD statement for intrapartition data set *ddname*

Explanation: CICS is unable to open the intrapartition data set *ddname* because no DD statement has been provided.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Modify the CICS JCL to add a DD statement defining the intrapartition data set (DFHINTRA).

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1261 *applid* Intrapartition data set *ddname* not defined as VSAM ESDS

Explanation: CICS is unable to open the intrapartition data set *ddname* because it is not defined as VSAM ESDS.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Recreate the intrapartition data set as a VSAM ESDS and restart CICS.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1262 *applid* Intrapartition data set *ddname* not formatted

Explanation: The intrapartition data set *ddname* is not formatted (it is empty). Initial formatting is done (if necessary) when transient data is cold started.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Cold start CICS at the next bringup.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1263 *applid* Invalid control record for Intrapartition data set *ddname*

Explanation: The intrapartition data set *ddname* was not initialized for intrapartition transient data. The most likely reason for this is data corruption by:

- VSAM export and import
- DFHSM migration and recall.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Reinitialize the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1271 *applid* VSAM error processing SHOWCB for intrapartition data set *ddname*, R15=*retcode*

Explanation: VSAM has detected an error during SHOWCB processing for the intrapartition data set *ddname* with VSAM return code *retcode*.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code in the *MVS/DFP Macro Instructions for VSAM Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode*

DFHTD1272 *applid* VSAM error processing OPEN for Intrapartition data set *ddname*, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during OPEN processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *MVS/DFP Macro Instructions for VSAM Data Sets* manual.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1273 *applid* VSAM error processing CLOSE for intrapartition data set *ddname*, R15=*retcode*

Explanation: VSAM has detected an error during CLOSE processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code in the *MVS/DFP Macro Instructions for VSAM Data Sets* manual.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode*

DFHTD1274 *applid* VSAM error processing PUT for intrapartition data set *ddname*, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during PUT processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *MVS/DFP Macro Instructions for VSAM Data Sets* manual.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1275 *applid* VSAM error processing GET for intrapartition data set *ddname*, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during GET processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *MVS/DFP Macro Instructions for VSAM Data Sets* manual.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1278 *applid* An error occurred during initialization of intrapartition queue *queuename* for userid *userid*. ATI for non-terminal transactions has been deactivated for this queue.

Explanation: Transient data initialization detected an error with userid *userid* during initialization of the intrapartition queue for automatic transaction initiation.

The specified userid is not valid for use by this CICS job for nonterminal transactions initiated by the transient data trigger.

There may be a previous message which gives the cause of this error.

System Action: Transient data initialization continues.

If the intrapartition queue has been defined without a terminal, automatic transaction initiation for the queue is deactivated.

User Response: Notify the systems programmer.

If the userid is invalid, correct the userid specified in the resource definition for the intrapartition

If the userid is valid, ensure that it can be used by nonterminal transactions that are initiated by trigger for the intrapartition queue.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, queuename, userid*

DFHTD1279 *applid* Unexpected response (code X'*response*') and reason (code X'*reason*') from a *dfhxyym* call.

Explanation: Module DFHTDRP detected the failure of a *dfhxyym* call to domain *xx*.

The response (code X'*response*') and reason (code X'*reason*') are those returned from the domain call (that is, *xyyy_response* and *xyyy_reason*).

This can be due to a CICS logic error.

System Action: Transient data initialization continues.

User Response: Refer to earlier messages and the dump produced by domain *xx*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, X'response', X'reason', dfhxyym*

DFHTD1280 *applid* An attempt to establish security has failed for **userid** *userid*. **SAF codes** are (*X'safresp*,*X'safreas*). **ESM codes** are (*X'esmresp*,*X'esmreas*).

Explanation: An attempt was made to establish security for *userid*. The attempt was rejected by the external security manager (ESM).

System Action: Security has not been established for the *userid*.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid*, *userid*, *X'safresp*, *X'safreas*, *X'esmresp*, *X'esmreas*

DFHTD1290 *applid* Program DFHTDRP cannot be found.

Explanation: CICS cannot link to the transient data recovery program (DFHTDRP).

CICS cannot find DFHTDRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: Transient data initialization terminates abnormally. CICS continues initialization, and unless cancelled, runs without support for transient data.

User Response: To correct this error, place DFHTDRP in a partitioned data set in the DFHRPL DD statement.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDX

XMEOUT Parameter: *applid*

DFHTFxxxx messages

DFHTF0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring

to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHTF0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHTF0100 *date time applid nnnn AIDs canceled for terminal termid. nnnn AIDs remain.*

Explanation: AIDs queuing for terminal *termid* have been canceled. This could be due to the terminal being deleted, or as a result of an SPI or CEMT SET TERMINAL(*termid*) CANCEL command. Any AIDs remaining after this operation are also enumerated in this message. For programming information about CICS SET TERMINAL, see the *CICS/ESA System Programming Reference*. For information about the equivalent CEMT command, see the *CICS/ESA CICS-Supplied Transactions*.

System Action: Requests represented as AIDs queuing for the terminal have been purged from the system.

User Response: None.

Destination: CSMT

Module: DFHALP

XMEOUT Parameters: *date, time, applid, nnnn, termid, nnnn*

DFHTF0101 *date time applid nnnn AIDs {canceled | force-canceled} for connection conname. nnnn AIDs remain.*

Explanation: AIDs queuing for connection *conname* have been canceled or force-canceled. This could be due to connection reinstall, or as a result of a SPI or CEMT SET CONNECTION(*conname*) CANCEL or FORCECANCEL command. Any AIDs remaining after this operation are also enumerated in this message. See the *CICS/ESA System Programming Reference* for more information.

System Action: Requests represented as AIDs queuing for the connection will have been purged from the system.

User Response: None.

Destination: CSMT

Module: DFHALP

XMEOUT Parameters: *date, time, applid, nnnn, {1=canceled, 2=force-canceled}, conname, nnnn*

DFHTIxxxx messages

DFHTI0001 *applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.*

Explanation: An abnormal end (abend) or program check has occurred in module *module*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent

to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTI0004 *applid A possible loop has been detected at offset X'offset' in module modname.*

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time when the error was detected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

DFHTI0005

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, X'offset', modname*

DFHTI0005 *applid* **A hardware error has occurred (module *modname*, code *X'code'*). The Time-of-Day clock is invalid.**

Explanation: An error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *X'code'* is the exception trace point id which uniquely identifies the place where the error was detected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues if possible, unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS. First, investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, modname, X'code'*

DFHTMxxxx messages

DFHTM1703 *applid* **product is being terminated by userid *userid* in transaction *tranid*{at *netname* | at terminal }terminal.**

Explanation: This message is issued after a PERFORM SHUT IMMEDIATE request.

System Action: The termination process continues.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, product, userid, tranid, {1= at netname , 2= at terminal }, terminal*

DFHTM1707I *applid* **Program DFHWKP cannot be found. No warm keypoint taken.**

Explanation: CICS cannot take a warm keypoint because the CICS module, DFHWKP, cannot be found in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS passes control to the user phase 1 PLT program.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1709I *applid* **About to link to PLT programs.**

Explanation: DFHSTP is about to link to the user PLT program PLTSD parameter in the system initialization table.

System Action: Control is passed to the user PLT programs.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1710I *applid* **Control returned from PLT programs.**

Explanation: Control is returned to DFHSTP to continue system initialization.

System Action: Control is returned to DFHSTP.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1711I *applid* **About to link to phase 2 PLT programs.**

Explanation: DFHSTP is about to link to the phase 2 PLT programs as defined by the PLTSD parameter in the system initialization table.

System Action: CICS passes control to the phase 2 user PLT programs.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1712I *applid* **Control returned from phase 2 PLT programs.**

Explanation: CICS returns control to DFHSTP so that system shutdown may continue.

System Action: CICS returns control to DFHSTP.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1715 *applid* **product is being quiesced by userid *userid* in transaction *tranid* at {*netname* | terminal }name.**

Explanation: This message is issued after a PERFORM SHUT request.

System Action: Quiesce of CICS continues.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, product, userid, tranid, {1=netname , 2=terminal }, name*

DFHTM1752 *applid* PLT - program *progrname* not available.

Explanation: The program list table (PLT) specified for shutdown contains program *progrname*, but CICS is unable to link to the program because one of the following has occurred:

- An executable copy of the program could not be brought into storage.
- The installed definition for the program is disabled.
- There is no installed definition for the program.

System Action: CICS termination continues without executing program *progrname*.

User Response: In the next execution, check that each program specified in the PLT is contained as a data set concatenated to the DFHRPL DD statement in the startup job stream, and ensure that the program is defined and enabled.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, progrname*

DFHTM1780 *applid* Abend has occurred while processing program *progrname* during termination, code=*abcode*.

Explanation: Program *progrname* specified in the program list table (PLT) for shutdown has abnormally terminated. *abcode* is the abend code.

System Action: Control is passed to the next program specified in the PLT and a CICS dump is supplied for review.

User Response: Refer to abend code *abcode* for further information about the error. Try and correct program *progrname*.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, progrname, abcode*

DFHTM1781 *applid* CICS shutdown cannot complete because some non-system user tasks have not terminated.

Explanation: This message is issued during shutdown of the CICS session and indicates that one or more CICS tasks are still active, thereby preventing the successful termination of CICS.

System Action: CICS shutdown waits until the active task or tasks are successfully terminated.

User Response: Determine, which CICS tasks are still running, using the CEMT INQUIRE TASK command, for example, and take whatever steps are necessary to terminate them.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1782 *applid* All non-system tasks have been successfully terminated.

Explanation: This message is issued during shutdown of the CICS session after successful termination by the user of any active tasks which had previously prevented termination.

System Action: CICS shutdown continues normally.

User Response: None

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1783 *applid* CICS shutdown cannot complete because a system task which prevents normal shutdown has not terminated.

Explanation: This message is issued during shutdown of the CICS session and indicates that CICS system transaction CLS1 is still active, thereby preventing the successful termination of CICS.

System Action: CICS shutdown waits until the active task is successfully terminated.

User Response: Determine, what is delaying the CLS1 transaction (for example the other CICS job or system being hung), and take whatever steps are necessary to resolve the situation.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1797I *applid* System termination program has abended.

Explanation: While terminating CICS, the CICS system termination program DFHSTP has abnormally terminated.

System Action: CICS terminates abnormally with a system dump.

User Response: Try to find out why DFHSTP terminated. If you cannot resolve the problem, keep the dump and contact your IBM Support Center.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1798 *applid* Requested dump in progress.

Explanation: This message is issued when CICS is terminated before the requested dump has started.

System Action: CICS produces a system dump and shutdown continues.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTOxxxx messages

DFHTO6000 E *date time applid* The definition for **TERMINAL** *termdef* refers to an undefined TYPETERM *termtype*.

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) that referenced a nonexistent TYPETERM definition (*termtype*).

System Action:

APAR PQ02462

The TERMINAL is not installed.

DFHTO6001 E

User Response: Correct the TERMINAL definition or define the named TYPETERM.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6001 E *date time applid* **The definition for pooled TERMINAL termdef refers to an undefined TYPETERM termtype.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

— **APAR PQ02462** —

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) that referenced a nonexistent TYPETERM definition (*termtype*).

System Action:

— **APAR PQ02462** —

The TERMINAL is not installed.

User Response: Correct the TERMINAL definition or define the named TYPETERM.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6002 E *date time applid* **The definition for SESSIONS sesdef refers to an undefined CONNECTION condef.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

— **APAR PQ02462** —

or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*) that referenced a nonexistent CONNECTION definition (*condef*).

System Action:

— **APAR PQ02462** —

The SESSIONS definition is not installed.

User Response: Correct the SESSIONS definition or define the named CONNECTION.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6003 E *date time applid* **TERMINAL termdef specifies CONSOLE but refers to TYPETERM termtype which does not specify DEVICE=CONSOLE.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

— **APAR PQ02462** —

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*), specified with CONSOLE=*nn*, which referred to a TYPETERM definition (*termtype*) specified without DEVICE=CONSOLE.

System Action:

— **APAR PQ02462** —

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6004 E *date time applid* **TERMINAL termdef does not specify CONSOLE but refers to TYPETERM termtype which specifies DEVICE=CONSOLE.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

— **APAR PQ02462** —

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*), specified with CONSOLE=NO, which referred to a TYPETERM definition (*termtype*) specified with DEVICE=CONSOLE.

System Action:

— **APAR PQ02462** —

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6005 E *date time applid* **PRINTER or ALTPRINTER for TERMINAL termdef is invalid for the DEVICE specified in TYPETERM termtype.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

— **APAR PQ02462** —

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) specified with PRINTER or ALTPRINTER or both, which referred to a TYPETERM definition (*termtype*) that did not specify one of these DEVICES: 3270, 3275, 3270P, LUTYPE2, or LUTYPE3.

System Action:

— **APAR PQ02462** —

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6006 E *date time applid* **PRINTERCOPY or
| ALTPRINTERCOPY for TERMINAL *termdef* is invalid
| for the DEVICE specified in TYPETERM *termtype*.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected incompatible TERMINAL and TYPETERM definitions. The TERMINAL definition *termdef* specified PRINTERCOPY or ALTPRINTERCOPY or both, but referred to a TYPETERM definition *termtype* which specified an LUTYPE2 or LUTYPE3 device.

System Action:

APAR PQ02462

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6007 E *date time applid* **AUTINSTMODEL YES|ONLY for
| TERMINAL *termdef* is invalid for the DEVICE
| specified in TYPETERM *termtype*.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) specified with AUTINSTMODEL=[YES|ONLY], which referred to a TYPETERM definition (*termtype*) that specified DEVICE=3614|TLX|TWX, or was a PIPELINE terminal.

System Action:

APAR PQ02462

The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6008 E *date time applid* **ATTACHSEC is required for
| TERMINAL *termdef* as it refers to TYPETERM
| *termtype* which specifies DEVICE=APPC.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*), specified without ATTACHSEC, which referred to a TYPETERM definition (*termtype*) that specified DEVICE=APPC.

System Action:

APAR PQ02462

The TERMINAL definition is not installed. (The TYPETERM definition is installed, and can be referenced by compatible TERMINAL definitions.)

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6009 E *date time applid* **The definition for SESSIONS
| *sesdef* refers to CONNECTION *condef* which
| specifies a different PROTOCOL.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*) that referred to a CONNECTION definition (*condef*) that specified a different PROTOCOL.

System Action:

APAR PQ02462

The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6010 E *date time applid* **The definition for SESSIONS
| *sesdef* must specify PROTOCOL LU61 as it refers to
| an MRO CONNECTION *condef*.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*), specified without LU61, which referred to a CONNECTION definition (*condef*) that specified ACCESSMETHOD={IRC|XM} (MRO).

System Action:

APAR PQ02462

The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6011 E *date time applid* **SESSIONs sesdef must specify both SENDCOUNT and RECEIVECOUNT as it refers to an MRO CONNECTION condef.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*), specified with either SENDCOUNT=0 or RECEIVECOUNT=0, which referred to a CONNECTION definition (*condef*) that specified ACCESSMETHOD=(IRC|XM) (MRO).

System Action:

APAR PQ02462

The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6012 *applid* **The catalog dataset is not available. RDO function is restricted.**

Explanation: During initialization for a COLD start, CICS could not find the global catalog data set.

System Action: CICS continues, but with the following restrictions to RDO function:

- A TYPETERM definition must be in the same group as the TERMINAL definitions that refer to it.
- AUTOINSTALL is not available, because the MODEL definitions cannot be stored.

User Response: If you wish to avoid the above restrictions to RDO function in future CICS runs, create a global catalog data set and make it available to CICS in the DFHGCD DD statement of the CICS startup job stream.

Destination: Console and Terminal End User

Module: DFHTORP

XMEOUT Parameter: *applid*

DFHTO6013 E *date time applid* **No SESSIONs definition refers to CONNECTION condef.**

Explanation: During installation of a GRPLIST at initialization time, during CEDA INSTALL of a GROUP,

APAR PQ02462

a CHECK, or an EXEC CICS CREATE command, a CONNECTION definition was specified that had no SESSIONS definitions. This is valid only for INDIRECT connections.

System Action:

APAR PQ02462

The CONNECTION is not installed.

If the reason for the failure is one or more invalid SESSIONS definitions, CICS issues another message which identifies the

incorrect definition(s). If the reason was a missing SESSIONS definition, this is the only message.

User Response:

APAR PQ02462

Correct the CONNECTION definition, create a SESSIONS definition, or correct existing SESSIONS definition(s), as appropriate.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, condef*

DFHTO6014 E *applid* **POOL is required for TERMINAL termdef as it refers to TYPETERM typedef which specifies SESSIONTYPE=PIPELINE.**

Explanation: An attempt has been made to install a terminal whose TYPETERM specified SESSIONTYPE=PIPELINE, but whose terminal definition did not specify POOL.

System Action: CICS initialization continues, but TERMINAL *termdef* is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: Console and Terminal End User

Module: DFHTOR

XMEOUT Parameters: *applid, termdef, typedef*

DFHTO6015 E *applid* **TRANSACTION for TERMINAL termdef is invalid for the DEVICE specified in TYPETERM typedef.**

Explanation: An attempt has been made to install a TERMINAL definition which specified TRANSACTION, but referred to a TYPETERM specifying device APPC.

System Action: CICS initialization continues, but TERMINAL *termdef* is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: Console and Terminal End User

Module: DFHTOR

XMEOUT Parameters: *applid, termdef, typedef*

DFHTO6016 E *date time applid* **The MRO CONNECTION condef is referenced by more than one SESSIONs definition, including sesdef.**

Explanation:

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When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS has detected a CONNECTION definition *condef* that specified ACCESSMETHOD=(IRC|XM), which implies that it is an MRO connection. This CONNECTION was then referenced by more than one SESSIONS definition, one of which was *sesdef*. An MRO connection must only have one SESSIONS definition referencing it. Other SESSION definition names that reference this CONNECTION are listed in further occurrences of this message.

APAR PQ02462

System Action:

APAR PQ02462

- # The CONNECTION definition is not installed.

User Response: Correct the CONNECTION definition or the SESSIONS definitions.

- # **Destination:** CSMT

Module: DFHTOR

- # **XMEOUT Parameters:** *date, time, applid, condef, sesdef*

- # DFHTO6017 E *date time applid* REMOTESYSTEM for TERMINAL
| *'termid'* is invalid for the DEVICE specified in
| TYPETERM '*typeterm*'.

Explanation: When installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

- # or an EXEC CICS CREATE command, CICS detected a CONSOLE that was defined as remote. This is an invalid option.

System Action:

APAR PQ02462

- # The CONSOLE is not installed.

User Response: Correct the CONSOLE that is defined as remote.

- # **Destination:** CSMT

Module: DFHTOR

- # **XMEOUT Parameters:** *date, time, applid, termid, typeterm*

- # DFHTO6018 E *date time applid* TERMINAL '*termid*' refers to
| TYPETERM '*typeterm*' which has an invalid
| ALTSCREEN.

Explanation: A TYPETERM definition includes an invalid ALTSCREEN. ALTSCREEN has two components; width and height. One of these components is zero while the other is nonzero. This is an invalid combination. CICS has detected this problem in a TERMINAL definition while installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

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- # or an EXEC CICS CREATE command.

System Action:

APAR PQ02462

- # The TERMINAL definition is not installed.

User Response: Correct the TYPETERM that is referenced or reference a different TYPETERM in the TERMINAL definition. See the *CICS/ESA Resource Definition Guide* for details of valid ALTSCREEN values.

- # **Destination:** CSMT

Module: DFHTOR

- # **XMEOUT Parameters:** *date, time, applid, termid, typeterm*

- # DFHTO6019 E *applid* User *userid* is not authorized to install
| TERMINAL *tttt* with preset security.

Explanation: User *userid* was attempting to install TERMINAL *tttt* but the *userid* does not have sufficient authority. This is because the TERMINAL has preset security (the definition for TERMINAL *tttt* specifies a USERID value). Installing a resource with preset security requires special authorization.

System Action: Resource security violation messages are logged to the CICS transient data queue and to the system console. The resource is not installed. CICS continues.

User Response: In order to install this resource, do one of the following:

- Use the CESN transaction to sign on with a *userid* that is permitted to install TERMINALS with preset security.
- Ask your security administrator to authorize user *userid* to install terminals with preset security.
- Remove the USERID specification from the resource definition and install the resource without preset security.

Destination: Console and Terminal End User

Module: DFHTOATM

XMEOUT Parameters: *applid, userid, tttt*

- # DFHTO6020 E *date time applid* SESSIONS *sesdef* refers to
| single-session CONNECTION *condef* but has an
| invalid MAXIMUM option specified.

Explanation: The value specified for the MAXIMUM option in the SESSIONS definition *sesdef* is incompatible with the CONNECTION definition *condef* because *condef* is defined as single-session. This was detected when *sesdef* referred to *condef* during installation of a GRPLIST at initialization, during CEDA INSTALL of a GROUP,

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- # following a CHECK command, or during an EXEC CICS CREATE.

When a SESSION definition refers to a single-session CONNECTION definition, the value of the MAXIMUM option should be (1,0).

System Action:

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- # The SESSIONS definition is not installed.

User Response: There are two ways to solve this problem:

- Correct the SESSIONS definition by specifying MAXIMUM(1,0) using either CEDA or the CSD batch update utility DFHCSDUP.
- Redefine the CONNECTION definition so that it is no longer single-session by specifying SINGLESESS=NO.

- # **Destination:** CSMT

Module: DFHTOR

- # **XMEOUT Parameters:** *date, time, applid, sesdef, condef*

- # DFHTO6022 E *date time applid* TERMINAL *termdef* specifies
| DCEATTACHSEC ACCEPTED or REQUIRED but
| TYPETERM *termtype* does not specify
| RECOVPTION=NONE.

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL command,

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or during an EXEC CICS CREATE command, CICS has detected that TERMINAL definition *termdef*, specified with DCEATTACHSEC=ACCEPTED OR DCEATTACHSEC=REQUIRED, refers to the TYPETERM definition *termtype* which is specified without RECOVOPTION=NONE.

System Action:

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The invalid TERMINAL is not installed.

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6025 E *date time applid* **The definition for LU6.1 SESSIONS** *sesdef* specifies a send or receive count with no prefix.

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK or CEDA INSTALL,

APAR PQ02462

or during an EXEC CICS CREATE command, CICS detected an LU6.1 SESSIONS definition (*sesdef*) that specified a send count with no send prefix or a receive count with no receive prefix. Prefixes must be specified for LU6.1.

System Action: The SESSIONS definition is not installed.

User Response: Correct the definition referred to in the message.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef*

DFHTPxxxx messages

DFHTP4101 Cannot reset from temporary paging to autopaging.

Explanation: A terminal requested that it be reset from temporary paging status to autopaging status. However, the terminal is defined as a paging terminal, or the message is marked to state that the operator must purge it.

System Action: Other processing continues.

User Response: If the terminal is defined as a purging terminal, use the master terminal program to change the status of the terminal.

If the message is so marked, the operator must purge the message. The system then automatically resets the status to autopaging.

Destination: Terminal End User

Module: DFHTPR

DFHTP4102 nnnn messages are queued for immediate delivery.

Explanation: The operator requested the *nnnn* messages to be delivered via the page retrieve command queue.

System Action: The count of messages queued for this operator or terminal is displayed.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4103 Attempting to PURGE, COPY or CHAIN, but no pages are currently connected to this terminal.

Explanation: There are currently no tasks attached to this terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4104 A paging request was received but there are no pages for display.

Explanation: The CICS paging command (CSPG) or a request for paging was entered from a terminal in transaction status, but there are no pages to be displayed at the terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4105 The specified message is not recognized.

Explanation: The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message does not exist, or is not destined for this terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4106 You are not allowed to RETRIEVE or PURGE this message.

Explanation: The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message is not destined for this operator identifier.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4107 Chain value *chain* is less than 1 or greater than the level of chaining allowed.

Explanation: The chain value, *chain*, as indicated by the page retrieval command, is either less than one or is greater than the level of chaining at that terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4108 Requested page *pageno* does not exist (it is less than 1 or more than the number of pages in the message).

Explanation: The page *pageno*, as indicated by the page retrieval command, is either less than one or is greater than the number of pages in the message. This can be caused, for example, by requesting the previous page after the first page, or the next page after the last page.

System Action: Other processing continues.

User Response: The paging session can be continued with a valid page value. The last valid page displayed is still the current page. For example, to recall the last valid page displayed, execute the page retrieval command used to get a current page.

Destination: Terminal End User

Module: DFHTPR

DFHTP4109 The requested command *command* was not recognized. Check that you have the correct value.

Explanation: Transaction CSPG was entered at the terminal, but what follows cannot be identified as a paging command. *command* represents the first four nonblank characters after CSPG.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4110 *function* is not valid. Page RETRIEVE function must be A, C, L, N, P, Q, or a number.

Explanation: The page retrieve function represented by *function* is not one of the following: A, C, L, N, P, Q, or a number that may be preceded by a + (plus) or a - (minus) sign, where:

Function Meaning

A	All logical messages destined for and being displayed on that terminal.
C	The current (level) logical message.
L	The last page.
N	The next page.
P	The previous page.
Q	(Query) display the identifier of all logical messages destined for this terminal. If the message is security protected, its identifier is displayed only if the operator identifier and class for the signed-on operator match

those in the message. The identifier consists of 1-to-6-digit hexadecimal number, and optionally, a message title.

System Action: Other processing continues.

User Response: Use a valid page retrieve function.

Destination: Terminal End User

Module: DFHTPR

DFHTP4111 *function* is not valid. Page PURGE function must be A, B, C, H, or R.

Explanation: The page purge function represented by *function* is not A, B, C, H, or R. The functions have the following meanings.

Function Meaning

A	All logical messages destined for and being displayed on that terminal.
B	The logical message being displayed on that terminal and all logical messages chained to it.
C	The current (level) logical message.
H	All logical messages chained to the base logical message being displayed on that terminal.
R	All logical messages queued for immediate delivery (routed) to the terminal.

System Action: Other processing continues.

User Response: Use a valid page purge function.

Destination: Terminal End User

Module: DFHTPR

DFHTP4112 The terminal identifier *termid* is unknown or is not supported.

Explanation: The terminal identifier represented by *termid* does not exist or is not supported under basic mapping support (BMS).

System Action: Other processing continues.

User Response: Use a valid terminal identifier.

Destination: Terminal End User

Module: DFHTPR

DFHTP4113 *date time applid msgno termtype pageno I/O error on MCR or Page (MODULE NAME: modname)*.

Explanation: While attempting to retrieve a message control record (MCR) or page of a message, a temporary storage I/O error occurred. *msgno* represents the message number in hexadecimal; *termtype* is the terminal type; *pageno* is zero if the error occurred for the MCR, or is the page number. The message or page noted may be lost for this and/or other terminals.

System Action: If pages are being displayed at an autopaging terminal, the next page if any is displayed. Otherwise no action takes place.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, msgno, termtype, pageno, modname*

DFHTP4114 You must purge messages from the terminal before issuing a new transaction.

Explanation: While messages were being displayed at the terminal, the operator entered data that was not a paging command, either in error or to initiate a new transaction. However, at least one of the messages on the terminal is marked that the operator must specifically purge it before initiating a new transaction.

System Action: Other processing continues.

User Response: Purge all messages being displayed at this terminal (T/A), or chain the desired transaction using the chaining command.

Destination: Terminal End User

Module: DFHTPR

DFHTP4115 You must purge the message from your terminal to continue.

Explanation: A transaction is displaying pages at the terminal. Before the operator can continue with the transaction, the message must be purged.

System Action: Other processing continues.

User Response: Purge the current message (T/C).

Destination: Terminal End User

Module: DFHTPR

DFHTP4116 Your message request cannot be done while another message is being displayed.

Explanation: While viewing a message, the operator entered a request for a specific message (for example, P/1,xxx) or requested the message identifiers of messages waiting to be displayed (P/Q). CICS cannot service this request while another message is being displayed. xxx is the message identifier of one of the messages waiting to be displayed.

System Action: Other processing continues.

User Response: If desired, reenter the request when there are no messages being displayed at the terminal.

Destination: Terminal End User

Module: DFHTPR

DFHTP4117 Purge display % after viewing.

Explanation: The operator at a 3270 has requested a display of message identifiers waiting to be displayed. The reply is constructed as one or more pages stored in temporary storage and can be viewed like any page message. % is the page number indicator.

System Action: Other processing continues.

User Response: Purge the message when viewing is complete.

Destination: Terminal End User

Module: DFHTPR

DFHTP4118 An ID error occurred while retrieving a Message Control Record (MCR) or Message Page. Message *bmsid*, terminal type *termtype*, page *pageno*.

Explanation: CICS was trying to retrieve page *pageno* of a message from temporary storage when an identifier error was received.

Alternatively, if page *pageno* is equal to zero, CICS could have been trying to retrieve a message control record (MCR) when the identifier error was received. The probable cause of the error is that temporary storage was cold started after the message was scheduled or after the message was saved. Otherwise the message had already been purged.

The insert *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. The insert *termtype* identifies the terminal type.

System Action: The message or page may be lost. Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4119 An invalid request on Message Control Record (MCR) or Page Retrieval has occurred. Message *bmsid*, terminal type *termtype*, page *pageno*.

Explanation: CICS was trying to store or retrieve page *pageno* of a message when a temporary storage invalid request occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage invalid error was received.

The message or page may be lost. The probable cause is that temporary storage was not loaded. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: Ensure that the temporary storage program is loaded.

Destination: Terminal End User

Module: DFHTPR

DFHTP4120 Unable to interpret input. Please try again.

Explanation: The operator entered data that could not be interpreted.

System Action: Input is discarded.

User Response: Verify that input is valid under existing conditions.

Destination: Terminal End User

Module: DFHTPR

DFHTP4121 An I/O error occurred while retrieving a message control record or message page. Message *bmsid*, terminal type *termtype*, page *pageno*.

Explanation: CICS was trying to retrieve page *pageno* of a message when a temporary storage I/O error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage I/O error occurred.

The message or page may be lost. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. *termtype* is the terminal type.

System Action: If pages are being displayed at an autopaging terminal, the next page, if any, is displayed. Otherwise no action takes place.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4122 Requested purge completed successfully.

Explanation: CICS has completed a page purge function requested from the terminal.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4123 Terminal is now Autopaging.

Explanation: The terminal operator has requested that CICS reset a terminal that is temporarily in paging status, to autopaging status.

System Action: The rest of the pages in the message are displayed. If there are none left and the message can be purged automatically, it is purged.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4124 Page copied from terminal *termid* (Message number *msgno*).

Explanation: This message appears in the display of messages waiting to be displayed (P/Q) and identifies a copied page. *msgno* is the message number of the copied page and *termid* is the terminal for which it is queued.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4126 *msgno* has been copied.

Explanation: This message is issued in response to a request to copy to another terminal. *msgno* is the message number of the message being displayed.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4127 *nnnn* must be a number. Please try again.

Explanation: The characters *nnnn* are not valid. The system expected a decimal value for a page or chain number, or a hexadecimal value for a message number.

System Action: Other processing continues.

User Response: Reenter the paging command. Use a valid number.

Destination: Terminal End User

Module: DFHTPR

DFHTP4128 *command* is undefined for page retrieval.

Explanation: After a page retrieval (PR) session had been started, the operator pressed a PA or PF key for which no PR command had been defined in the SIT.

System Action: The command is ignored. The display status bit is not altered.

User Response: Ensure that the PR command in question is defined in the SIT.

Destination: Terminal End User

Module: DFHTPR

DFHTP4130 You have used an unrecognized logical device. The valid names are *xxx,yyy*.

Explanation: A paging command containing an invalid logical device mnemonic was entered. *xxx,yyy,...* indicates the valid logical device mnemonics for the requested logical message.

System Action: Input is discarded and other processing continues.

User Response: Reenter the paging command with a logical device mnemonic chosen from those listed in the message.

Destination: Terminal End User

Module: DFHTPR

DFHTP4131 Requested page cannot be copied to that terminal.

Explanation: The operator has tried to copy a page that refers to an outboard format:

- To a terminal that does not support outboard formats, or
- To a terminal that does support outboard formats, but which has a different page width or a smaller page depth than the source terminal.

System Action: The paging request is ignored.

User Response: Carry out whichever one of the following is appropriate:

- Copy the offending page to a terminal that supports outboard formatting
- Make the referenced format nonoutboard

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- Copy the offending page to a terminal that does support outboard formatting and which has a page size the same as that of the source terminal.

Destination: Terminal End User

Module: DFHTPR

DFHTP4132 No pages have been built for this partition.

Explanation: This is an information message issued during a page retrieval session. It appears in a screen partition for which no pages have been built.

System Action: Processing continues.

User Response: None, unless a display was expected in the affected partition. In this case, check for an operator or application error.

Destination: Terminal End User

Module: DFHTPR

DFHTP4133 *date time applid bmsid termtype pageno* ID error on MCR or page.

Explanation: CICS was trying to retrieve page *pageno* of a message when an identifier error was received. Alternatively, CICS could have been trying to retrieve a message control record (MCR) if the page *pageno* equaled zero when the identifier error was received. The message or page may be lost.

The probable cause is that temporary storage was cold-started after the message was scheduled or saved, or the message has already been purged.

bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, bmsid, termtype, pageno*

DFHTP4134 *date time applid bmsid termtype pageno* Invalid request on MCR or page.

Explanation: CICS was trying to store or retrieve page *pageno* of a message when a temporary storage invalid request error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage invalid request error occurred. The message or page may be lost.

The probable cause is that temporary storage was not loaded.

bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: Ensure that the temporary storage program is loaded.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, bmsid, termtype, pageno*

DFHTP4150 *date time applid* ID error on MCR.

Explanation: During processing of a delayed delivery message a temporary storage identification error occurred. The message is lost for all destination terminals. Temporary storage was probably cold started after the message was originally scheduled.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4151 *date time applid* I/O error on MCR.

Explanation: During processing of a delayed delivery message a temporary storage I/O error occurred. The message is lost for all destination terminals.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4152 *date time applid* Invalid request on MCR.

Explanation: During processing of a delayed delivery message, a temporary storage invalid request error occurred. The message is lost for all destination terminals. The system was probably initialized without temporary storage.

System Action: Other processing continues.

User Response: Ensure that the system is initialized with temporary storage.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4160 *date time applid* Message *msgno* purged as undeliverable from *nnnn* terminal(s).

Explanation: The message numbered *msgno* has been waiting for display at a terminal, but *nnnn* of these terminals are unable to display the message because they are out of service. This message is sent to the master terminal operator.

System Action: To avoid affecting system performance, messages waiting longer than a time specified by the installation are purged.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, msgno, nnnn*

DFHTP4161 Message *msgno* was not delivered. It was purged from terminal(s) *termid*. Message title was *title*.

Explanation: The message numbered *msgno* has been purged because it was not delivered within the system-defined time limit.

title is the title of message *msgno* and appears in this message only if one exists. *termid* is the terminal from which the message was purged.

System Action: The message is purged from the system. No further attempt is made to deliver the message.

User Response: None.

Destination: Terminal End User

Module: DFHTPQ

DFHTP4162 *date time applid nnnn* BMS system messages purged as undeliverable from error notification terminal.

Explanation: Basic mapping support (BMS) system messages (for example, DFHTP4161) have been waiting to be displayed at the error notification terminal, but the terminal is unable to display them because its status is not consistent with their status, or because traffic is too heavy.

nnnn is the number of BMS system messages purged and *termid* is the error notification terminal's identifier.

System Action: To avoid affecting system performance, messages waiting longer than a time specified by the installation, are purged.

User Response: Either alter the status of the terminal to allow messages to be displayed or increase purge delay time at CICS system initialization.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, nnnn*

DFHTP4164 *date time applid termid* cannot accept message DFHTP4161. It is undefined or does not support paging.

Explanation: *termid* is the identifier of a terminal specified to receive notification if a message could not be delivered. However, *termid* is not now in the TCT or is not defined as a terminal supported by BMS. This message is followed by DFHTP4161, which contains the error notification.

System Action: Other processing continues.

User Response: Notify terminal *termid* of the contents of message DFHTP4161, which is issued following this message.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, termid*

DFHTP4165 Undeliverable messages are being purged. The terminal is available for use.

Explanation: This message is sent to destination CSMT. It is also sent to the originating terminal if transaction CSPQ is entered from the terminal. Program DFHTPQ has been time-initiated to purge any messages that are considered undeliverable.

System Action: A non-terminal task is initiated to purge undeliverable messages.

User Response: None. The message is displayed at the terminal to indicate that the terminal is available for use.

Destination: Terminal End User

Module: DFHTPQ

DFHTP4166 *date time applid* BMS has received an error return code *retcode* from CICS macro {*TS PURGE* | *BMS TEXTBLD* | *BMS PAGEOUT* | *TS PUT*}.

Explanation: BMS received an error return code after issuing a CICS system macro request. *retcode* is the return code and *macro* is the macro request.

System Action: Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, retcode, {1=TS PURGE, 2=BMS TEXTBLD, 3=BMS PAGEOUT, 4=TS PUT}*

DFHTP4170 *date time applid* Request from system *sysid* to route message number *msgno* to terminal *termid* was not executed.

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4171 *date time applid* Request from system *sysid* to route message number *msgno* to terminal *termid* was not executed. Terminal not valid.

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because terminal *termid* is not defined on this system.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4172 *date time applid* Request from system *sysid* to route message number *msgno* to terminal *termid* was not executed. Terminal not supported by BMS.

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because terminal *termid* is of a type not supported by BMS.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4173 *date time applid* **Request from system *sysid* to route message number *msgno* to terminal *termid* was not executed. Invalid LDC specified.**

Explanation: BMS has received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because the LDC specification was invalid.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4174 *date time applid* **Message routing has failed for terminal *termid*. The *termid* was invalid or could not be located.**

Explanation: BMS has received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because *termid* is invalid or could not be located.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, termid*

DFHTP4180 *date time applid* **Terminal *termid* specified as error terminal for message *msgno* from system *sysid* invalid and ignored.**

Explanation: BMS has received a request from system *sysid* to route message *msgno*, specifying terminal *termid* to be notified in the event of the message not being delivered. Terminal *termid* is not defined in the terminal control table.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, termid, msgno, sysid*

DFHTP4190 **Please enter your data again in the partition containing the cursor.**

Explanation: The terminal operator entered data from a partition other than the expected input partition. The expected input partition is activated (that is, the cursor is moved into it), and the terminal operator should reenter data in this partition.

System Action: Processing continues.

User Response: Ensure that the terminal operator enters data in the correct partition.

Destination: Terminal End User

Module: DFHPHP

DFHTRxxxx messages

DFHTR0001 *applid* **An abend (code *abcode*) has occurred at offset *X'offset'* in module *modname*.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

The code *abcode* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTRSR, DFHTRPT, DFHTRDM

XMEOUT Parameters: *applid, abcode, X'offset', modname*

DFHTR0002 *applid* **A severe error (code *X'code'*) has occurred in module *modname*.**

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS/ESA Problem Determination Guide*.

System Action: An exception entry (code *X'code'*) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated

by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, X'code', modname*

DFHTR0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTRSR, DFHTRPT, DFHTRDM

XMEOUT Parameters: *applid, X'offset', modname*

DFHTR0101 STORAGE FOR INTERNAL TRACE TABLE NOT AVAILABLE -TRACE INOPERATIVE.

Explanation: During CICS initialization, there was insufficient storage for even the minimum allowable internal trace table size (16KB).

System Action: CICS terminates with a system dump.

User Response: The failure to get even 16KB from MVS at this early stage of initialization almost certainly means that other areas of CICS and other system functions will not be able to acquire the storage they require to operate, so the system is unlikely to initialize completely. A possible solution is to increase the value for the REGION keyword on the EXEC statement for the CICS job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0102 REQUESTED TRACE TABLE SIZE NOT AVAILABLE.

Explanation: CICS issues a variable-type GETMAIN to MVS for the internal trace table storage. This message indicates that the upper limit specified (on the TRTABSZ keyword) was not available, but that at least the lower limit of 16K was obtained.

Message DFHTR0103 which follows this message gives the actual size acquired.

System Action: CICS continues with an internal trace table of the size given by message DFHTR0103.

User Response: There are three possible courses of action:

- Allow CICS to run with the decreased table size if this is thought to be adequate.
- Terminate the system and reinitialize after increasing the region size available to CICS.
- Once the system is initialized, use CETR to increase the table size to the required value.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0103 TRACE TABLE SIZE IS *nnKB*.

Explanation: The internal trace table acquired during CICS initialization has a table size *nnKB*.

This is either the same as that specified on the TRTABSZ keyword of the SIT or message DFHTR0101 or DFHTR0102 has preceded this on the console.

System Action: CICS continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0104 *applid* No buffer storage available for auxiliary trace data set. Auxiliary trace is inoperative.

Explanation: An attempt to start auxiliary trace failed because there was insufficient storage available from MVS for the 4KB output buffer.

System Action: A CICS system dump with dump code TR0104 is taken. CICS then continues with auxiliary trace inactive.

User Response: Determine why so little MVS storage is available and retry if possible.

Destination: Console

Module: DFHTRDM

XMEOUT Parameter: *applid*

DFHTR0105 AUXILIARY TRACE DATA SET *dataset* COULD NOT BE OPENED - AUXILIARY TRACE INOPERATIVE.

Explanation: An attempt to start auxiliary trace or to switch auxiliary trace extents has failed because the request to BSAM to open data set *dataset* failed.

System Action: There are two cases:

- If the error occurs after an explicit request to start auxiliary trace (as opposed to switching extents), a CICS system dump with dump code TR0105 is taken. CICS then continues with auxiliary trace inactive.
- If the error occurs when auxiliary trace is already active, that is, an explicit switch request when auxiliary trace starts or an end-of-extent with autoswitching active, an SDUMP with dump code KERNDUMP is taken. This type of dump is not subject to suppression or modification by use of the dump table.

User Response: Check that the DD statement for data set *dataset* is present.

If it is, format the system dump and examine the TR domain information. The DCB for the auxiliary trace data set should be present. Use this to determine the reason for the open failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHTRSR, DFHTRSU

DFHTR0106 *applid* DFHTRAO could not be loaded. Auxiliary trace is inoperative.

Explanation: An attempt to start auxiliary trace failed because the CICS module, DFHTRAO, which is used to write to the auxiliary trace data set, could not be loaded.

System Action: The loader domain (LD) will have issued messages and dumps as necessary. CICS continues with auxiliary trace inactive.

User Response: Refer to the associated loader domain messages for further information and guidance.

Destination: Console

Module: DFHTRSR

XMEOUT Parameter: *applid*

DFHTR0107 ABEND X'abcode' ON AUXILIARY TRACE DATA SET *dataset* - AUXILIARY TRACE STOPPED.

Explanation: The DCB abend exit for named auxiliary trace data set *dataset* was driven after a request to BSAM.

The 3-digit abend code is indicated as X'abcode'

System Action: CICS continues with auxiliary trace inactive.

User Response: Refer to the *MVS/ESA Message Library: System Codes* manual for an explanation of the abend code, X'abcode'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0108 I/O ERROR ON AUXILIARY TRACE DATA SET *dataset* - AUXILIARY TRACE STOPPED.

Explanation: The SYNAD exit for the auxiliary trace data set *dataset* was driven after a request to BSAM.

System Action: CICS will continue with auxiliary trace inactive.

User Response: Use this message and any BSAM messages to determine the source of the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0109 AUXILIARY TRACE DATA SET *dataset* FULL -AUXILIARY TRACE HAS BEEN STOPPED.

Explanation: The auxiliary trace data set *dataset* is full. Auxiliary trace has been stopped because autoswitch is not active.

System Action: CICS continues with auxiliary trace inactive.

User Response: The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU410.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0110 AUXILIARY TRACE DATA SET *dataset1* FULL - SWITCHING TO *dataset2*.

Explanation: The auxiliary trace data set *dataset1* is full. Auxiliary trace is continuing on data set *dataset2* because autoswitching was requested.

System Action: CICS continues with auxiliary trace active on the data set *dataset2*.

User Response: Process the full data set if required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0111 applid Unable to acquire storage for GTF buffer - GTF trace inoperative.

Explanation: An attempt to start CICS tracing to the MVS Generalized Trace Facility (GTF) failed because there was insufficient storage available from MVS for the 256-byte buffer required.

This message can be issued by DFHTRDM during CICS initialization if GTFTR=ON is specified on the SIT or start-up overrides, or by DFHTRSU if the request to start GTF was made after CICS was up and running.

System Action: CICS continues with GTF tracing inactive.

User Response: The failure to acquire even 256 bytes of storage indicates that the CICS region is probably in a stall condition. This can only be relieved by removing some of the users of MVS storage or by restarting CICS, possibly with a larger region size.

Destination: Console

Modules: DFHTRDM, DFHTRSU

XMEOUT Parameter: *applid*

+ DFHTR0112 applid Bad data passed for tracing to module + modname.

Explanation: Some data passed to the trace (TR) domain for addition to the internal trace table, auxiliary trace data set or GTF trace caused a program check when an attempt was made to access it.

This could either be as a result of a request made by CICS system code or a request made by a user program through the API or XPI.

| If transaction isolation is active, this message can be issued if a transaction passes another transaction's storage to CICS. A program check occurs when CICS attempts to trace this storage because the storage is fetch protected.

- + **System Action:** A system dump with dump code TR0112 is taken. If the message is issued by DFHTRPT, the dump contains an exception trace entry (point ID TR0102) that includes the erroneous parameter list passed to DFHTRPT.
- + If the message is issued by DFHTRFT, the dump contains an exception trace entry (point ID TR0402) that includes the erroneous parameter list passed to DFHTRFT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the interpreted exception trace entry to determine the domain that issued the call and the ID of the entry. Then look at the specified addresses and lengths in the *data*n fields to see if they contain reasonable values. The fault is in the module that set up these fields for the trace call.

| If transaction isolation is active, examine the calling domain's parameter list, *data*2, for storage that belongs to another transaction. Correct the offending application program. It should not be passing another transaction's storage. Alternatively, alter the definition of the application so that it can validly access another transaction's storage. See the *CICS/ESA Resource Definition Guide* for more information on how to alter the definition.

Destination: Console

+ **Module:** DFHTRPT, DFHTRFT

+ **XMEOUT Parameters:** *applid modname*

DFHTR0113 applid Auxiliary trace is being started on data set dataset.

Explanation: A request to start auxiliary trace has been successfully processed. The trace records are being written to data set *dataset*.

System Action: CICS continues with auxiliary trace active.

User Response: None.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset*

DFHTR0114 AN ABEND HAS OCCURRED DURING INITIALIZATION OF TRACE IN MODULE modname.

Explanation: Module *modname*'s recovery routine received control during pre-initialization of the trace (TR) domain. This indicates that a program check has occurred in module *modname*.

There are three possible causes of this condition.

1. The module has been overwritten in main storage.
2. The module is at an incompatible level with the rest of the CICS modules.
3. There is an error in the module.

System Action: A system dump with dump code KERNDUMP is taken.

User Response: Inform the system programmer.

There may be an error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHTRDM, DFHTRSR

DFHTR0115 AN ABEND HAS OCCURRED IN THE AUXILIARY TRACE MODULE DFHTRAO.

Explanation: Module DFHTRAO's recovery routine has received control.

This indicates a program check or MVS abend has occurred in DFHTRAO.

There are three possible causes of this condition:

- DFHTRAO has been overwritten in main storage
- DFHTRAO is at an incompatible level with the rest of the CICS modules
- There is an error in DFHTRAO.

System Action: A system dump with dump code KERNDUMP is taken.

DFHTR0116

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRAO is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRAO, you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0116 AN ABEND HAS OCCURRED IN THE TRACE SUBROUTINES MODULE DFHTRSU.

Explanation: The recovery routine belonging to the trace domain module DFHTRSU has received control.

This indicates a program check or MVS abend has occurred in that module.

There are three possible causes of this condition:

- DFHTRSU has been overwritten in main storage.
- DFHTRSU is at an incompatible level with the rest of the CICS modules.
- There is an error in DFHTRSU.

System Action: A system dump with dump code KERNDUMP is taken.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRSU is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRSU, bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0117 *applid* Auxiliary trace on data set *dataset* has been stopped.

Explanation: An operator or application program request, to stop CICS tracing to the auxiliary trace data set *dataset*, has been successfully processed.

System Action: CICS continues with auxiliary trace inactive.

User Response: The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU410.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset*

DFHTR0118 *applid* Auxiliary trace is being switched from *dataset1* to *dataset2*.

Explanation: An operator or application program request to switch extents on the auxiliary trace data set while auxiliary trace is active is being processed.

System Action: CICS stops tracing on the first named data set *dataset1*, and resumes tracing on the second named data set *dataset2*.

User Response: The first named auxiliary trace data set *dataset1* can now be processed by the print routine DFHTU410.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset1, dataset2*

DFHTR1000 *applid* CICS abend requested by global trap exit DFHTRAP in module *modname*.

Explanation: The field engineering global trap exit program (DFHTRAP) requested termination of CICS.

System Action: CICS disables the trap exit so that it will not be reentered, and terminates CICS.

User Response: Determine why DFHTRAP has requested system termination and act accordingly. **You should use the global trap exit only in consultation with an IBM support representative.**

Destination: Console

+ **Module:** DFHTRPT, DFHTRFT

+ **XMEOUT Parameters:** *applid modname*

DFHTR1001 *applid* Program check occurred within global trap exit - DFHTRAP now marked unusable by module *modname*.

Explanation: After making a trace entry, the CICS trace domain (TR) called the field engineering global trap exit program (DFHTRAP). A program check occurred during execution of DFHTRAP.

System Action: CICS marks the currently active version of DFHTRAP unusable, and will ignore it on future calls to TR domain. CICS then takes a dump with system dump code TR1001, and continues execution.

User Response: Use the dump to find the cause of the program check. To replace the currently active but unusable DFHTRAP by a new version in the CICS program library, issue the following commands in the sequence shown:

```
CSFE DEBUG,TRAP=OFF (to deactivate the current trap)
CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the
trap disk address known to CICS)
CSFE DEBUG,TRAP=ON (to activate the new version of the
trap)
```

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

+ **Module:** DFHTRPT, DFHTRFT

+ **XMEOUT Parameters:** *applid modname*

DFHTR1002 applid Program DFHTRAP is not available - global trap not activated

Explanation: CICS could not activate the field engineering global trap exit program, DFHTRAP, during processing of the TRAP=ON SIT keyword or override in CICS initialization. This is almost certainly because DFHTRAP is not present in the program library.

System Action: CICS takes a system dump with dump code TR1002 and continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined to RDO and made available in the program library.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHTRDM

XMEOUT Parameter: *applid*

+ **DFHTR1003 applid CICS system dump requested by global trap exit DFHTRAP in module *modname*.**

Explanation: The user-coded global trap exit program (DFHTRAP) has requested a system dump in its return action settings.

System Action: CICS takes a system dump with dump code TR1003 and continues with the global trap still active.

User Response: Analyse the requested dump.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

+ **Module:** DFHTRPT, DFHTRFT

+ **XMEOUT Parameters:** *applid modname*

DFHTR2000 INCOMPLETE ENTRY IGNORED.

Explanation: CICS trace entries longer than 256 bytes have to be split into multiple Generalized Trace Facility (GTF) entries because of GTF's length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a CICS entry on GTF longer than 256 bytes has not been printed because a new header entry from the same MVS TCB was encountered before all of the continuation entries from a previous split entry were received.

System Action: The incomplete entry is ignored.

User Response: This situation can arise in one of two ways:

- The MVS TCB making the first split trace entry abnormally terminated while writing the continuation entries.

This results in messages and a system dump during the CICS run.

Refer to the associated messages for further information and guidance. Use the dump to determine and solve the problem.

- GTF has failed to record one or more of the continuation entries because of an internal error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2001 INSUFFICIENT STORAGE FOR RECONSTRUCTION BUFFER.

Explanation: A CICS entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). It cannot be formatted because MVS could not allocate sufficient working storage for a buffer to allow reconstruction of the segmented entry.

System Action: The entry is printed in hexadecimal and the print job continues.

User Response: Rerun the GTF print job with a larger region size.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2002 INVALID ENTRY PASSED FOR FORMATTING.

Explanation: A GTF entry with the CICS format identifier (X'EF') has been passed to the CICS GTF print routine but the data it contains is not part of a valid CICS trace entry.

System Action: The invalid entry is printed in hexadecimal and the print job continues.

User Response: Examine the entry for clues to its origin.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2003 UNEXPECTED CONTINUATION ENTRY ENCOUNTERED.

Explanation: CICS trace entries longer than 256 bytes have to be split into multiple GTF entries because of GTF's length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a GTF entry has been passed to the CICS GTF print routine that is not the start of a CICS segmented entry and the entry type is not one for which a continuation is currently expected.

System Action: The invalid entry is printed in hexadecimal and the print job continues.

User Response: This situation could arise if the header record for a segmented entry is overwritten because of GTF's normal cyclic re-use of space in its data set. In this case the invalid entries would be very close to the start of the printout.

If this is not so, examine the entry for clues to its origin.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2004 THE MAXIMUM NUMBER OF BUFFERS (*nn*) HAVE BEEN ALLOCATED. NONE ARE FREE FOR REUSE.

Explanation: A CICS trace entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). However, it cannot be formatted because the maximum number of buffers allowed for reconstruction of segmented entries for a specific type has been reached. This maximum is currently set to *nn*. The number of buffers for a specific type relates directly to the number of regions

or systems writing trace entries to the GTF trace data set. During writing, the segmented entries for some of the different regions or systems could become interleaved in the data set. To ensure that the entries are formatted completely and correctly, it is necessary to have a buffer available for each region or system whose trace entries have become interleaved in this way. For further information on trace types and segmented entries see the section on trace formatting in the *CICS/ESA Diagnosis Reference*.

System Action: The entry is printed in hexadecimal and the print job continues.

User Response: None, but if the situation occurs regularly, contact your IBM Support Center to discuss whether the maximum value set is too low.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

**DFHTR2005 THE LOAD FAILED FOR LOAD MODULE *modname*.
PLACE MODULE IN THE LINK LIST AND TRY
AGAIN.**

Explanation: The generalized trace facility (GTF) trace formatter tried to load the correct release of trace formatter for the trace entry being processed.

System Action: The job continues printing trace entries in hexadecimal only.

User Response: Place the named trace formatter load module into the link list and rerun the job. If the named trace formatter is not available, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR3001 ERROR IN OPENING DFHAXPRT FILE.

Explanation: The auxiliary trace print program DFHTU410 could not open the data set defined to receive the print output.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAXPRT is present and correct in the DFHTU410 job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3002 ERROR IN OPENING DFHAUXT FILE.

Explanation: The auxiliary trace print program DFHTU410 could not open the auxiliary trace data set to be processed.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAUXT is present and correct in the DFHTU410 job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3003 ERROR IN OPENING DFHAXPRM FILE.

Explanation: The auxiliary trace print program DFHTU410 could not open the parameter input data set DFHAXPRM.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAXPRM is present and correct in the DFHTU410 job, or specify your input parameters on the PARM keyword of the EXEC statement.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3010 ERROR IN TRACE DATA - ENTRIES MAY HAVE BEEN LOST.

Explanation: The trace block being formatted contains invalid length and/or pointer fields. This can happen if the trace table is accidentally overwritten.

System Action: The trace formatting code scans the block to try and find valid entries. Any that are found are printed. The rest of the data is ignored.

User Response: Try and determine what caused the overwriting of the internal trace table.

The trace entries immediately before and after this message in the print out should be viewed with suspicion. They may contain incorrect data, or there may be one or more entries missing altogether at this point.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRFPB

DFHTSxxxx messages

DFHTS1300 *applid* Clock is not in set state, reply 'RETRY', 'GO' or 'CANCEL'.

Explanation: The STCK value of the processor store clock is either currently less than the value keypointed during the previous execution, or the store clock itself is disabled or not set.

System Action: The system waits for operator response.

User Response: Set the clock and continue or cancel. A 'GO' response, as a result of this message, initializes CICS with a cold start of temporary storage.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1301 *applid* {READ | WRITE} Error detected by temporary storage. RPL feedback area is X'yyyyy'.

Explanation: An I/O error has been detected by temporary storage. Either:

- A hardware error occurred while a task was accessing the temporary storage data set, or
- VSAM detected a logic error in the request. The most likely cause of this is that the data set was defined incorrectly.

System Action: An I/O ERROR return code is returned to the application program.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the definition of the temporary storage data set is correct.

See the *CICS/ESA Problem Determination Guide* for more guidance in dealing with temporary storage problems.

Destination: Console

Module: DFHTSP

XMEOUT Parameters: *applid, {1=READ, 2=WRITE}, X'yyyyy'*

DFHTS1302 *applid* I/O error on temporary storage data set attempting to emergency restart

Explanation: An unrecoverable I/O error has occurred on the temporary storage data set.

System Action: The emergency restart process is abnormally terminated with a system dump.

User Response: Correct the problem and either try an emergency restart, or try to initialize CICS with a cold start of temporary storage.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1303 *applid* No storage available for temporary storage control blocks

Explanation: An attempt to allocate storage during emergency restart failed because insufficient storage was available.

System Action: The emergency restart process is abnormally terminated with a dump.

- + **User Response:** Use the dump to investigate the Storage Manager domain statistics. It may be necessary to increase the size of the dynamic storage area (DSA). parameter.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1304 *applid* Clock is not in set state, reply 'RETRY', 'GO' or 'CANCEL'.

Explanation: The STCK value of the processor store clock is either currently less than the value keypointed during the previous execution, or the store clock itself is disabled or not set.

System Action: The system waits for operator response.

User Response: Set the clock and continue or cancel. A 'GO' response, as a result of message DFHTS1304, initializes CICS with a cold start of temporary storage.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1305 CURRENT STCK VALUE LESS THAN TEMPORARY STORAGE RECORD STCK VALUE. REPLY 'GO' OR 'CANCEL'.

Explanation: The processor store clock (STCK) value is currently less than the value recorded during the previous execution.

System Action: CICS either cold starts temporary storage (response of 'GO'), or the emergency restart process is terminated (response of 'CANCEL') with a dump.

User Response: Set the clock and continue or cancel. A 'GO' response initializes CICS with a cold start of temporary storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTSRP

DFHTS1306 *applid* Restart has been terminated by request from operator.

Explanation: This message is issued in response to a CANCEL reply from one of the messages, DFHTS1304, DFHTS1305, and DFHTS1308.

System Action: CICS is abnormally terminated with a dump.

User Response: None.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1307 *applid* Interval control element not recoverable.

Explanation: An attempt to schedule an interval control element (ICE) during emergency restart of temporary storage has failed.

The most likely reason is that following restart the terminal associated with the ICE is not known to the system.

Another possible reason is that the ICE is for an autoinstalled TCTTE that has been deleted at emergency restart. The deletion occurred because the system initialization table restart delay is zero which means autoinstalled TCTTEs are deleted immediately.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1308 TEMPORARY STORAGE DATA ADDRESS NOT RECOVERABLE. REPLY 'GO' OR 'CANCEL'.

Explanation: During emergency restart of temporary storage, the data associated with a recoverable data identification (DATAID) could not be found on the data set.

If TSAGE is specified as nonzero in the TST generation, it is possible that this message is issued validly. In this case, for a given TS queue, emergency restart may not have recovered some or all of the TS records created before the value specified by TSAGE. If the operator allows emergency restart to continue, and only some of the records have been recovered, IOERR is returned to any transaction which attempts to access the records which have not been recovered. However, the TS records can be purged successfully by a transaction.

DFHTS1309

If the operator allows emergency restart to continue and none of the records in the queue have been recovered, QIDERR is returned to any transaction that attempts to access that queue.

System Action: The system waits for a reply of GO or CANCEL.

If you reply 'GO', data that cannot be located is not restored. All other data is restored.

The DATAID(s) for data not restored are written to transient data destination CSSL. For each DATAID, a message line is written quoting the actual identification in the form:

```
DFHTSR dataid - UNRECOVERABLE TEMP STRG DATAID
```

If you reply 'CANCEL', the system abnormally terminates with message DFHTS1306.

User Response:

1. Cancel to determine the cause of the error.
2. Allow CICS to initialize without the data.
3. Initialize CICS with a cold start of temporary storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTSRP

DFHTS1309 *applid* Temporary storage is being cold started

Explanation: This message is issued in response to a 'GO' reply from message DFHTS1304 or message DFHTS1305.

System Action: CICS cold starts temporary storage.

User Response: None.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1310 *applid* Temporary storage data set does not match bit map

Explanation: During compression to reacquire unused space in a temporary storage data set control interval (CI), CICS discovered an incompatibility between the records in the CI, the unit tables, and the bit map.

The temporary storage program, DFHTSP, tries to move all the valid records in a CI to the left in order to leave a contiguous space for new temporary storage records. It first checks, using the temporary storage common area (TSCOM), whether the CI would have enough room for the record it is trying to write. If there is room, but there is insufficient contiguous space at the end of the CI, it scans the CI from left to right to determine whether each record is still valid.

During its first pass of the buffer, if it finds a record to be valid, DFHTSP sets the flag TSCIREQD to one in the record. If the record is no longer required, DFHTSP sets TSCIREQD to zero. Also during its first pass, DFHTSP updates the disk addresses of the records still required to reflect where they will be after compression has been performed.

During the second pass of the buffer, DFHTSP moves records to the left, leaving contiguous free space to the right.

Diagnostics: When theabend occurs:

```
Register 10 addresses the current LIFO stack
Register 12 addresses the TCA
Register 13 addresses the CSA
```

Analysis: From the CSA, CSATSATA addresses the TS common area (TSCOM), and from this, TSMACAP addresses the temporary storage auxiliary control area (TSACA).

TSASPCI in the TSACA holds the maximum number of free segments in a control interval.

TSABPSEG in the TSACA holds the number of bytes per segment (64 or 128 depending on the CISIZE).

TSACSZ in the TSACA holds the length of a control interval and you add this to TSBUFF to obtain the end address of the buffer.

TSABCAP, in the TSA, holds the address of the buffer control area for the buffer being compressed.

TSAASEGS, in the TSA, holds the number of segments allocated in the control interval, as calculated during the buffer scan.

TSABSEGS, in the TSA, holds the number of segments allocated in the control interval, as obtained from the byte map.

TSBCIN, in the buffer control area (TSBCA) addressed by TSABCAP holds the number of the CI in the buffer.

TSBUFP, in the buffer control area (TSBCA) addressed by TSABCAP, addresses the buffer being compressed.

TSBCINR, in the control information at the end of the buffer contains the number of temporary storage records (valid or invalid) in the CI.

System Action: CICS is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: To determine the cause of the error, check that:

1. The correct data set was used.
2. The CISIZE of DFHTEMP was not altered between CICS runs (if CISIZE **was** altered, temporary storage should have been cold started).

Whatever the cause of the error, temporary storage must now be cold-started.

TSAMAPP in the TSACA addresses the start of the byte map. Add this to TSBCIN to obtain the address of the corresponding byte for this CI in the byte map. The value of TSABSEGS was calculated from the value in TSASPCI less the value found in the byte map.

Look at successive records in the control interval. The first 20 bytes of a record are the temporary storage record prefix (TSCI), followed by 4 bytes, "llbb" where "ll" is the length of the data. "ll" includes the "llbb" bytes but not the first 20 bytes.

Note the temporary storage name (TSCID in the TSCI) and the record number (TSCIRN in the TSCI), if any.

Note whether the record was marked required or not (TSCIREQD).

Calculate the offset of the record in the control interval and divide this by the segment size.

Add 20 to the record size (TSCILL in the TSCI) and round up to the next multiple of the segment size. Because each record begins at the start of a segment, this gives the space that the record occupies in the control interval.

You now have for each record:

- Whether the record was marked required or not.
- The temporary storage name.
- The control interval number.
- The offset in the record in the control interval expressed in segments.
- The length of the record in segments.
- The record number, if any (applicable only if the record is part of a temporary storage queue).

Find the position of the next record by adding the number of bytes found for the length of the current record to the current address.

Continue this process until the number of records found is equal to TSBGINR, or you find something that is not a record. In the latter case, it is possible that a record has been overwritten.

You can check the setting of TSCIREQD in the following way.

Find the temporary storage unit table entry (TSUTE) corresponding to the queue name in the record. The TSUTES are held at the nodes of a 'binary tree' structure. A linked list known as a 'right thread' is maintained for the binary tree. This right thread contains all the nodes in alphabetic order by temporary storage queue name. To step through the TSUTES, find the start of the right thread (RIGHT_THREAD_START in the TSUT anchor block), and follow it to the end using the right thread chaining field in each node.

If the name of the record is not found in a TSUTE, TSCIREQD should be zero for that record.

If the TSUTEASI flag is off, auxiliary storage is not being used and therefore TSCIREQD should be zero.

If the TSUTEGID flag is off, TSUTEPTR contains the CI number, record offset (in segments) and length (in segments) of the record. If the TSCIREQD flag is on for the record then the disk address in the TSUTE corresponds to the disk address of the record **after compression is done** (that is, valid records have been moved to the left).

If the TSUTEGID flag is on, TSUTEPTR addresses the first temporary storage group identification table (TSGID) for that queue. TSGIDs are chained using the address contained in TSGIDFC until TSGIDFC is zero. The number of entries per TSGID is in TSAGIDNE in the TSACA.

Following TSGIDEBA in the TSGID is a set of fullword locations containing the control interval number, record offset and record length. If there is a record number N in the record and if the Nth slot contains a disk address which matches that of the record in the buffer (after compression), the TSCIREQD flag should be on.

If the record number in the record is zero, TSGIDPCQ ("put-created queue") in the first TSGID should be on and you should check all the disk addresses in all TSGIDs. If any one does match, TSCIREQD should be on.

Finally, you may need to check whether the record is still valid because there is an update DWE for the record which is being kept in case backout is required. If TSUTEQEA is non-zero this 3-byte address will point to a temporary storage Queue Element (TSQE). If TSQEOA in the TSQE is non-zero then it will contain the address of the TCA for the transaction which currently owns this recoverable queue. TCADWLBA contains the address of the first DWE on the DWE chain. This chain should be followed. If the DWE is a temporary storage one, DWESVMID contains MODIDTS indicating this is a temporary storage DWE. If DWEMODFN contains FIDTSUPD, this is an update DWE. If DWETSID matches the queue name being checked for and the disk address in DWETSCI matches, in this case also, TSCIREQD will have been set on. All the DWEs on the chain can be checked in this way.

If you want to check the setting of TSCIREQD in each record, repeat the above steps for all records in the CI.

The total length of the segments for all the valid records found in the buffer should equal the value found in TSAASEGS. At the end

of the first buffer scan, if TSAASEGS does not equal TSABSEGS, the DFHTS1310 abend is issued. Where TSAASEGS is less than TSABSEGS, the difference is the number of segments TSP failed to find during the scan. This may correspond to a single record in the buffer which has not been marked as valid because of a possible corruption of the TSUT control blocks. Similarly, if TSAASEGS is greater than TSABSEGS, the difference corresponds to the number of segments assumed to be valid.

Also consider the possibility that the byte map has been corrupted (for example, TSAASEGS is valid but TSABSEGS is incorrect). TSABSEGS should never contain a value greater than TSASPCI in the TSACA. If it does, the byte map has certainly been corrupted.

If overwriting has occurred, contact your IBM Support Center for assistance in writing a trap to detect the cause.

Note that CICS also abends with a DFHTS1310 message if a record length is such that the record seems to extend beyond the end of the buffer. If this is the case, then the length of the buffer is the same as the VSAM CI size (TSACSZ). When this occurs determine why the length is incorrect (an overlay before the CI was written to disk is the most probable cause of this problem)

If an overlay has occurred, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSP

XMEOUT Parameter: *applid*

DFHTS1311 *applid* Temporary storage data set is full and cannot be extended

Explanation: The temporary storage data set is full. CICS has failed in an attempt to extend it.

System Action: Processing continues.

User Response: Consider whether you need to increase the space allocation for the temporary storage data set.

Destination: Console

Module: DFHTSP

XMEOUT Parameter: *applid*

DFHTS1312I PROGRAM DFHTSRP CANNOT BE FOUND.

Explanation: CICS cannot find the temporary storage restart program, DFHTSRP, in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS abnormally terminates the temporary storage restart task. CICS issues another message asking you to reply GO or CANCEL.

User Response: If you reply 'GO' to the second message, CICS continues processing, but without support for temporary storage. If you reply 'CANCEL', CICS terminates abnormally with a dump.

To correct this error, place DFHTSRP in a partitioned data set in the DFHRPL DD statement.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTSP

DFHTS1313 *applid* Temporary storage restart failed.

Explanation: The CICS temporary storage restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ATSA.

System Action: CICS writes a transaction dump for the temporary storage restart task.

CICS sends two messages to the console, this one, and one to identify the error detected by the temporary storage restart task. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, MVS).

User Response: First, if CICS has requested a response, you must reply.

If you reply 'GO', CICS continues processing, but without support for temporary storage.

If you reply CANCEL, CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1314 *applid* Program DFHTSUT cannot be loaded.

Explanation: The temporary storage unit table program, DFHTSUT, cannot be loaded, probably because it is not available. It is not available if CICS cannot find DFHTSUT in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHTSUT in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Destination: Console

Module: DFHTSIP

XMEOUT Parameter: *applid*

DFHTS1315 *applid* The temporary storage data set has exceeded the maximum number of control intervals supported.

Explanation: During a temporary storage write request, an attempt has been made to add a new control interval to the temporary storage data set. The temporary storage data set already contains the maximum number of supported control intervals and cannot be extended.

System Action: Processing continues.

User Response: Consider whether you need to increase the control interval size for the temporary storage data set. See the *CICS/ESA System Definition Guide* for guidance on defining the temporary storage data set.

Destination: Console

Module: DFHTSP

XMEOUT Parameter: *applid*

+ DFHTS1317 *applid* No DSA storage available below the line for temporary storage control blocks.

+ Explanation: An attempt to allocate storage during emergency restart failed because insufficient below-the-line storage was available.

+ System Action: The emergency restart process is abnormally terminated with a dump.

+ User Response: Use the dump to investigate the Storage Manager domain statistics. It may be necessary to increase the size of the dynamic storage area (DSA).

+ Destination: Console

+ Module: DFHTSRP

+ XMEOUT Parameter: *applid*

DFHTS1324 *applid* Temporary storage byte map cannot be restored.

Explanation: An error occurred while the temporary storage byte map was being restored from the catalog.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

A system dump with dumpcode TS1324 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See message DFHTS1313 for further guidance.

Use the dump to determine the cause of the catalog problem.

See the *CICS/ESA Problem Determination Guide* for more guidance in dealing with temporary storage problems.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1325 *applid* Temporary storage unit tables cannot be restored.

Explanation: An error has occurred while the temporary storage unit tables are being restored from the catalog.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

A system dump with dumpcode TS1325 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See message DFHTS1313 for further guidance.

Use the dump to determine the cause of the catalog problem.

See the *CICS/ESA Problem Determination Guide* for more guidance in dealing with temporary storage problems.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1340 *applid* No DD statement provided for temporary storage data set.

Explanation: CICS is unable to open the auxiliary temporary storage data set because no DD statement has been provided.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHSIG1

XMEOUT Parameter: *applid*

DFHTS1341 *applid* VSAM error processing SHOWCAT for temporary storage data set.

Explanation: VSAM has detected an error during SHOWCAT processing for the auxiliary temporary storage data set.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHSIG1

XMEOUT Parameter: *applid*

DFHTS1342 *applid* Invalid VSAM definition for temporary storage data set.

Explanation: CICS is unable to open the auxiliary temporary storage data set because it is not defined as VSAM ESDS.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHSIG1

XMEOUT Parameter: *applid*

DFHTS1362 *applid* Temporary storage data set not formatted

Explanation: The auxiliary temporary storage data set is not formatted. It is empty. If initial formatting is necessary, it is performed when temporary storage is cold started.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

User Response: Refer to DFHTS1313. Correct the error and restart CICS.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1363 *applid* Invalid control record for temporary storage data set

Explanation: The auxiliary temporary storage data set was not initialized for temporary storage.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

User Response: Refer to DFHTS1313. Correct the error and restart CICS.

Destination: Console

Module: DFHTSRP

XMEOUT Parameter: *applid*

DFHTS1371 *applid* VSAM error processing SHOWCB for temporary storage data set, RC=*retcode*

Explanation: VSAM has detected an error during SHOWCB processing for the auxiliary temporary storage data set.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid, retcode*

DFHTS1372 *applid* VSAM error processing OPEN for temporary storage data set, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during OPEN processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated; this causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid, retcode, errorcode*

DFHTS1373 *applid* VSAM error processing CLOSE for temporary storage data set, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during CLOSE processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated; this causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid, retcode, errorcode*

DFHTS1374 *applid* VSAM error processing PUT for temporary storage data set, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during PUT processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid*, *retcode*, *errorcode*

DFHTS1375 *applid* VSAM error processing GET for temporary storage data set, R15=*retcode*, RC=*errorcode*

Explanation: VSAM has detected an error during GET processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid*, *retcode*, *errorcode*

DFHTS1376 *applid* VSAM error processing MODCB for temporary storage data set, R15=*retcode*

Explanation: VSAM has detected an error during MODCB processing for the auxiliary temporary storage data set. The insert identifies the return code.

System Action: The temporary storage initialization task is abnormally terminated. This causes message DFHTS1313 to be sent to the console.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSRP

XMEOUT Parameters: *applid*, *retcode*

DFHTS1377 *applid* Error during temporary storage backout, operation failed

Explanation: During an emergency restart, while performing a CONNECT, STARTBROWSE, or GETNEXT operation (indicated by *operation*), the temporary storage backout program, DFHTSBP, has received a bad response from a recovery control request. This is possibly due to an I/O error.

System Action: CICS terminates the task with an abnormal termination code ABP2 and issues message DFHTS1313 to indicate that temporary storage restart has failed.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

Use the dump to determine the cause of the failure.

See the *CICS/ESA Problem Determination Guide* for more guidance in dealing with temporary storage problems.

Destination: Console

Module: DFHTSBP

XMEOUT Parameters: *applid*, *operation*

DFHTS1378 *applid* Logic error during temporary storage backout

Explanation: During an emergency restart, the temporary storage backout program has detected a logic error.

System Action: CICS terminates the task with an abnormal termination code ABP3 and issues message DFHTS1313 to indicate that temporary storage restart has failed.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to DFHTS1313.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSBP

XMEOUT Parameter: *applid*

DFHTS1379 *applid* Temporary storage MVCL failed with destructive overlap

Explanation: A move of data to or from temporary storage failed. The probable reason for this is that the size of the area being passed to CICS was inconsistent with the data length being used.

System Action: The transaction is abnormally terminated with a CICS system dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is most likely an internal logic error in temporary storage processing. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSP

XMEOUT Parameter: *applid*

DFHTS1380 *applid* **Severe error occurred while waiting for I/O to the temporary storage data set to complete.**

Explanation: A CICS task was waiting for I/O to the temporary storage data set to complete and the wait failed for an unexpected reason. This message indicates a possible error in CICS code.

System Action: A dump is provided and CICS is terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSP

XMEOUT Parameter: *applid*

DFHTS1576 *applid* **Temporary storage format error**

Explanation: A nonzero return code was received from the VSAM macro GENCB when CICS was attempting to build a VSAM request parameter list (RPL).

System Action: CICS terminates abnormally with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSIP

XMEOUT Parameter: *applid*

DFHTS1599 *applid* **Region/Partition size insufficient to initialize CICS.**

Explanation: CICS has been unable to GETMAIN sufficient storage for it's own control blocks during initialization.

System Action: CICS terminates with a system dump.

User Response: Increase the region/partition size and retry. You can get information about the size and number of occurrences of relevant control blocks by using the *CICS/ESA Data Areas* in conjunction with the system dump.

Destination: Console

Modules: DFHSID1, DFHSIH1, DFHSII1, DFHTSIP

XMEOUT Parameter: *applid*

DFHUPxxxx messages**DFHUP0201** *applid* **ANOTHER PRODUCT HAS ALREADY REGISTERED FOR THIS DOMAIN. IFAUSAGE RC 4 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 4 has been issued in response to an IFAUSAGE macro call. Another product has already registered for this domain.

System Action: The current request is accepted but there is duplicate recording of data for both products.

User Response: Examine the type 89 records to determine which product is causing the duplicate registration to the domain.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1\$, DFHFTAP, DFHJACDU, DFHJCJFP, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTEOF, DFHTUP, DFHWOS

DFHUP0202 *applid* **THE UNAUTHORIZED REQUEST LIMIT HAS BEEN EXCEEDED. IFAUSAGE RC 8 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 8 has been issued in response to an IFAUSAGE macro call. This unauthorized request would cause the number of such requests to exceed the unauthorized request limit.

System Action: Processing continues.

User Response: See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1\$, DFHFTAP, DFHJACDU, DFHJCJFP, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTEOF, DFHTUP, DFHWOS

DFHUP0203 *applid* **USAGE DATA COLLECTION IS NOT AVAILABLE ON THIS SYSTEM. IFAUSAGE RC 16 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 16 has been issued in response to an IFAUSAGE macro call. The usage data collection function is not available on this system.

System Action: Processing continues.

User Response: If SMF usage processing is not available on this system (for example, apar 0W02855 is not installed) you can ignore this message.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

+ **Modules:** DFHKETCB, DFHSIP

DFHUP0204 *applid* AN INVALID IFAUSAGE REQUEST HAS BEEN MADE. IFAUSAGE RETURN CODE X'code'.
MODULE *module*

Explanation: The return code X'code' has been issued in response to an IFAUSAGE macro call. An invalid request or an internal parameter error has occurred.

System Action: Processing continues.

User Response: If SMF usage processing is not available on this system (for example, if apar 0W02855 is not installed) you can ignore this message.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1\$, DFHFTAP, DFHJACDU, DFHJCJFP, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTEOF, DFHTUP, DFHWOS

DFHUSxxxx messages

DFHUS0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset X'offset' in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid*, *aaa/bbbb*, X'offset', *modname*

DFHUS0002 *applid* A severe error (code X'code') has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid*, X'code', *modname*

DFHUS0004 *applid* A possible loop has been detected at offset X'offset' in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent

to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid, X'offset', modname*

DFHUS0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the User Response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring

CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSDM, DFHUSAD

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHUS0050 *applid* **The default userid *userid1* cannot be used by this CICS job with region userid *userid2*.**

Explanation: The default userid specified in the system initialization parameter DFLTUSER cannot be used by this CICS job.

The region userid for this CICS job is not authorized to use the userid specified in the DFLTUSER system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure the default userid and the userid for the CICS region are correct.

If the two userids are correct, obtain the necessary authorization for the default userid to be used by the CICS region userid. This may require the assistance of a security administrator.

Previous messages may have been produced by the job giving additional information.

Destination: Console

Module: DFHUSDM

XMEOUT Parameters: *applid, userid1, userid2*

— **APAR PQ08190** —

New message DFHUS0120

DFHUS0120 *applid* **An error occurred when performing SNSCOPE checking for a sign on request.**

Explanation: The MVS ENQ issued as part of SNSCOPE checking has failed. The return code indicates that the CICS job has reached the limit of concurrent resource requests.

System Action: A system dump is suppressed, unless you have specifically enabled dumps for this dumpcode in the dump table.
The request to signon is rejected.

User Response: See the OS/390: MVS Programming: Authorized Assembler Services Guide for guidance on increasing the MVS ENQ limit. The MVS ENQ is issued by CICS in an unauthorized state.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSFL

XMEOUT Parameter: *applid*

DFHUS0150 *date time applid* An attempt to establish security has failed for **userid** *userid* in group *groupid*, {no terminal, | *netname* | console } *portname* **applid** *applid*. Unable to initialize the transaction *transid*. SAF codes are (*X'safresp'*, *X'safreas'*). ESM codes are (*X'esmresp'*, *X'esmreas'*).

Explanation: An attempt was made to establish security for **userid** *userid* in group *groupid* with access to resources allowed for the terminal or console *portname* and the application *applid*. The attempt was rejected by the external security manager (ESM).

The transaction *transid* cannot be initialized.

System Action: Security has not been established for the **userid**. The attempt to initialize the transaction has failed.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

+ **Destination:** Console

Module: DFHUSXM

XMEOUT Parameters: *date, time, applid, userid, groupid, {99=no terminal, , 1=netname , 2=console }, portname, applid, transid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHUS0200 *date time applid* **User** *userid* in group *groupid*{ at *netname* | at console } *portname* has been timed out.

Explanation: User *userid* in group *groupid* (at terminal *portname* if appropriate) has been removed from this CICS system because the **userid** has been unused for a period longer than that specified in the *USRDELAY* system initialization parameter.

System Action: Processing continues.

User Response: See the *CICS/ESA System Definition Guide* for more information about *USRDELAY*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: CSCS

Module: DFHUSDM

XMEOUT Parameters: *date, time, applid, userid, groupid, {1= netname , 2= at console }, portname*

DFHVCxxxx messages

DFHVC4700D *applid journal* needs another volume, give **VOLSER**, or 'DECLINE'

Explanation: A CICS module needs a labeled tape to write on before the main program can continue to run normally. *journal* is DFHJ01 for the system log, and DFHJ02 through DFHJ99 for user journals.

System Action: An operator reply is required. Processing is delayed until the operator replies. If the reply is wrongly formatted or refers to a volume that is already known to be in use, the request will be repeated.

User Response: Reply with either the identifier of an available standard-labeled tape volume (6 characters), or with the word 'DECLINE' if termination of the named series is acceptable. This may imply the closing of CICS, for example if the series in question holds a crucial journal.

Destination: Console Routecodes 2, 3 and 11

Module: DFHVCP

XMEOUT Parameters: *applid, journal*

DFHVC4702 *applid* That volume is already allocated to *journal*

Explanation: The reply to a preceding DFHVC4700 message is not accepted because the named tape volume already belongs to another series.

journal is DFHJ01 for the system log, and DFHJ02 through DFHJ99 for user journals.

System Action: DFHVC4700 is re-issued.

User Response: Reply with either the identifier of an available standard-labeled tape volume (6 characters), or with the word 'DECLINE' if termination of the named series is acceptable. This may imply the closing of CICS, for example if the series in question holds a crucial journal.

Destination: Console Routecodes 2, 3 and 11

Module: DFHVCP

XMEOUT Parameters: *applid, journal*

DFHVC4710 *applid* Series *journal* nominal size xxxxxx Volumes has only yyyyyy volumes for output. zzzzzz{Volumes flagged read-only or defective. | }

Explanation: The meaning of the message inserts are as follows:

nn is 01 for the system log, and 02 through 99 for user journals
xxxxxx is the number of volumes defined for the series *yyyyyy*
is is the number of unimpaired volumes.

This is a prompting message to inform the system operator, or master terminal operator, that a series of volumes may soon need more volumes for output than are presently known to CICS.

The second part of the message, which contains the number of impaired volumes *zzzzzz*, is only issued if some of the volumes in the tape-descriptor list are unusable for writing journal records due to

- an I/O error, or
- a tape which is not write-permitted.

This condition causes the number of available unimpaired volumes to fall below the minimum specified by the *VOLCNT* parameter in the *JCT*.

System Action: None.

User Response: Use the master terminal interface to supply CICS with the identifiers of further volumes that it may use for extending the named series, or to make some previously-written volumes available for rewriting. You should supply at least enough identifiers to bring the number of volumes in the series up to the nominal size. In certain circumstances, for example, if CICS is shortly to close for the day, there may be no need to respond to the message.

Destination: Console Routecodes 2, 3 and 11

Module: DFHVCP

XMEOUT Parameters: *applid, journal, xxxxxx, yyyyyy, zzzzzz, {1= Volumes flagged read-only or defective., 2= }*

DFHVC4720 *applid* Existing data in volume *valid* for series *journal* will be lost

Explanation: In response to a request to mount a scratch tape for an output journal, the operator has mounted a volume that was already known to CICS as containing a previously-written part of a journal series. That event may imply an operational error. *journal* is DFHJ01 for the system log, and DFHJ02 through DFHJ99 for user journals, and *valid* is the volume identifier.

System Action: The mounted tape is added to the series for which it was requested.

Its previous position and contents are lost.

The volume is open for output before the message is issued.

User Response: Inform the system programmer.

Destination: Console Routecodes 2, 3 and 11

Module: DFHVCP

XMEOUT Parameters: *applid, valid, journal*

+ DFHVBxxxx CICS Web Interface messages

+ DFHVB0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHVBWB

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

+ DFHVB0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID, which gives an indication of the cause of the error:

- + • 9F08—Web Interface Global Work Area could not be found
- + • 9F09—Error initializing C environment
- + • 9F0A—Insufficient storage to process incoming request
- + • 9F0B—Error on **socket** call to TCP/IP for MVS
- + • 9F0C—Error on **gethostid** call to TCP/IP for MVS
- + • 9F0D—Requested port already in use
- + • 9F0E—Requested port was not available
- + • 9F0F—Error on **bind** call to TCP/IP for MVS
- + • 9F10—Error on **ioctl** call to TCP/IP for MVS
- + • 9F11—Logic error occurred
- + • 9F12—Error on **listen** call to TCP/IP for MVS
- + • 9F13—Error deleting CICS lock
- + • 9F14—Duplicate CICS lock requested
- + • 9F15—Error acquiring lock
- + • 9F16—Bad parameter list passed to C component
- + • 9F19—Client for HTTP request could not be identified
- + • 9F1A—Error on **send** call to TCP/IP for MVS
- + • 9F1B—Error on **getsockopt** call to TCP/IP for MVS
- + • 9F1C—Error on **close** call to TCP/IP for MVS
- + • 9F1D—Error on **select** call to TCP/IP for MVS
- + • 9F1E—Error on **accept** call to TCP/IP for MVS
- + • 9F20—Invalid socket on **receive** call to TCP/IP for MVS

#

#

APAR PQ05765

Corrections to messages DFHVB0002 & DFHVB1005

- # • 9F21—TCP/IP connection lost
- + • 9F22—Insufficient storage available to perform TCP/IP for MVS **receive**
- + • 9F24—Invalid socket on **send** call to TCP/IP for MVS
- + • 9F25—Insufficient storage available to perform TCP/IP for MVS **send**
- + • 9F27—Error on **gethostbyaddr** call to TCP/IP for MVS
- + • 9F28—Error on **receive** call to TCP/IP for MVS
- + • 9F29—No data returned from **receive** call to TCP/IP for MVS
- + • 9F2A—Non-HTTP request received
- + • 9F2B—Receive buffer too small for data received
- + • 9F2C—Error on **select** call to TCP/IP for MVS

+ • 9F2D—Error on **gethostbyaddr** call to TCP/IP for MVS

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— **APAR PQ21555** —

Exception trace point 9F33 added to message DFHWB0002

• 9F33—Runaway detected during a **send** call to TCP/IP for MVS

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```

— **APAR PQ24024** —

Exception trace point 9F35 added to message DFHWB0002

• 9F35—Error on **select** call to TCP/IP for MVS.

+ **System Action:** An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

+ Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:**

+ There are some specific user actions that can be taken for certain values of *code*:

- + • 9F0D,9F0E: If these errors occur, you may be trying to enable the Web Interface using a port which TCP/IP for MVS has already reserved for another service. Look at the TCP/IP for MVS diagnostics.
- + • 9F22,9F25: If these short on storage conditions persist, you may need to adjust the CICS DSA size, or maximum number of tasks, or adjust your TCP/IP for MVS.
- + • 9F27: Check that TCP/IP for MVS has been started.

+ For other TCP/IP for MVS problems, look at the TCP/IP for MVS diagnostics.

+ You may need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** Console

+ **Module:** DFHWBWB

+ **XMEOUT Parameters:** *applid, X'code', modname*

+ **DFHWB0100** *date time applid tranid* **The CICS Web Interface program cannot link to program DFHWBA1.**
EIBRESP: *eibresp* **EIBRESP2:** *resp2val* **Host IP address:** *hostaddr*. **Client IP address:** *clientaddr*.

+ **Explanation:** The alias program used EXEC CICS LINK but was unable to link to program DFHWBA1.

+ **System Action:** The link is abandoned. An HTTP response code of 500 (internal server error) is returned to the Web Browser. The alias abends with abend code AWBL.

+ **User Response:** Use the CEDA transaction to ensure that program DFHWBA1 has been correctly defined and installed.

+ **Destination:** CWBO

+ **Module:** DFHWBA

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val, hostaddr, clientaddr*

+ **DFHWB0101** *date time applid tranid* **The CICS Web Interface alias program DFHWBA detected a failure in program DFHWBA1. Host IP address:** *hostaddr*. **Client IP address:** *clientaddr*.

+ **Explanation:** Program DFHWBA1 has returned an error response to the alias.

+ **System Action:** The request is abandoned. The error response returned by program DFHWBA1 is returned to the Web Browser in an HTTP response:

- + **403** The userid associated with the request is not authorized to invoke the requested converter program, or the requested server program.
- + **404** A link to the converter program or to the server program failed because CICS could not locate the requested program.
- + **500** A link to the converter program or to the server program failed with an unexpected error.
- + **503** A link to the converter program or to the server program failed for one of the following reasons:
 - + • The server program is defined as remote, but the link to this program failed with a SYSID error, so the remote connection is either not defined correctly, or not active.
 - + • The link to the converter or the server program failed with the ROLLEDBACK response.

+ The alias abends with abend code AWBM.

+ **User Response:** Check program DFHWBA1 and the programs which it calls.

+ **Destination:** CWBO

+ **Module:** DFHWBA

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr, clientaddr*

+ **DFHWB0102** *date time applid tranid* **The CICS Web Interface alias program has received an incorrect response on a call made to CICS during alias initialization.**
EIBRESP: *eibresp* **EIBRESP2:** *resp2val*.

+ **Explanation:** The alias program has received an unexpected response on a call made to CICS during alias initialization.

+ **System Action:** The alias abends with abend code AWBI.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CWBO

+ **Module:** DFHWBA

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*

+ **DFHWB0103** *date time applid tranid* **The CICS Web Interface alias program has received an incorrect response on a call made to CICS during alias initialization.**
EIBRESP: *eibresp* **EIBRESP2:** *resp2val*.

+ **Explanation:** The alias program detected an error response on RETRIEVE for the START data.

+ **System Action:** The alias abends with abend code AWBF.

+ **User Response:** The alias program DFHWBA is only to be used for alias transactions started by the CICS Web Interface.

- + User-written applications should not be starting alias transactions, as data passed to the alias will not be in the expected format.
- + If CICS is experiencing problems with temporary storage, this may have caused the start data for the alias to be lost. See any associated CICS messages to help with problem diagnosis.
- + **Destination:** CWBO
- + **Module:** DFHWBA
- + **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*
-
- + **DFHWB0104** *date time applid tranid* **The CICS Web Interface alias program has been unable to continue processing this client request.**
- + **Explanation:** The alias program has detected that the CICS Web Interface may have been disabled since this client request was scheduled by the server controller. This is indicated by an incorrect reference to the GWA.
- + **System Action:** The client request is abandoned, and no reply is sent to the client. The alias abends with abend code AWBG.
- + **User Response:** Check that the CICS Web Interface has not been disabled since this client request was first scheduled. This problem may arise when long-running CICS programs are being used. It may also occur if the interface is disabled and immediately re-enabled.
- + **Destination:** CWBO
- + **Module:** DFHWBAS
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB0105** *date time applid tranid* **The CICS Web Interface has encountered a severe internal error while processing this client request. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**
- + **Explanation:** The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.
- + **System Action:** The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code AWBJ. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** See any associated CICS messages to help with problem diagnosis. If you cannot determine why the TCB mode could not be switched, you need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBAS
- + **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr, clientaddr*
-
- + **DFHWB0106** *date time applid tranid* **The CICS Web Interface program DFHWBA has detected an error.**
- + **Explanation:** The alias had detected an error.
- + **System Action:** A system dump is taken. The alias abends with abend code AWBH. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Examine the diagnostics to determine the reason for the error.
- + **Destination:** CWBO
- + **Module:** DFHWBAS
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB0107** *date time applid tranid* **The CICS Web Interface alias program has detected a FREEMAIN error. EIBRESP: *eibresp* EIBRESP2: *resp2val* Host IP address: *hostaddr*. Client IP address: *clientaddr*.**
- + **Explanation:** The CICS alias has detected a FREEMAIN error and an EIB response was returned.
- + **System Action:** Processing continues.
- + **User Response:** None
- + **Destination:** CWBO
- + **Module:** DFHWBAS
- + **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val, hostaddr, clientaddr*
-
- + **DFHWB0108** *date time applid tranid* **The CICS Web Interface alias program has detected an abend. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**
- + **Explanation:** The alias has detected an abend.
- + **System Action:** The alias abends with abend code AWBK.
- + **User Response:** Examine the diagnostics to determine the reason for the error.
- + **Destination:** CWBO
- + **Module:** DFHWBAS
- + **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr, clientaddr*
-
- + **DFHWB0120** *date time applid tranid* **The CICS Web Interface program DFHWBA1 cannot link to program *program_name*. EIBRESP: *eibresp* EIBRESP2: *resp2val*.**
- + **Explanation:** Program DFHWBA1 used an EXEC CICS LINK but was unable to link to the given program and an EIB response was returned.
- + **System Action:** The link is abandoned.
- + **User Response:** Ensure that the program definition is correct.
- + **Destination:** CWBO
- + **Module:** DFHWBA1
- + **XMEOUT Parameters:** *date, time, applid, tranid, program_name, eibresp, resp2val*
-
- + **DFHWB0121** *date time applid tranid* **The CICS Web Interface program DFHWBA1 encountered an error during Decode processing in the converter *program*. Error code: *X'errorid'*.**
- + **Explanation:** The Decode function of the converter has returned an error.
- + **System Action:** An error message is sent to the client.
- + **User Response:** Examine the diagnostics to determine the reason for the error. The error code issued in the message is equivalent to the trace point ID issued with this error.
- + **Destination:** CWBO
- + **Module:** DFHWBA1
- + **XMEOUT Parameters:** *date, time, applid, tranid, program, X'errorid'*

+ **DFHWB0122** *date time applid tranid* **The CICS Web Interface program DFHWBA1 encountered an error during Encode processing in the converter program. Error code: X'errorid'.**

+ **Explanation:** The Encode function of the converter program has returned an error.

+ **System Action:** An error message is sent to the client. The error code issued in the message is equivalent to the trace point ID issued with this error.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1

+ **XMEOUT Parameters:** *date, time, applid, tranid, program, X'errorid'*

+ **DFHWB0123** *date time applid tranid* **The CICS Web Interface program DFHWBA1 has detected an error.**

+ **Explanation:** Program DFHWBA1 has detected an error.

+ **System Action:** A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0124** *date time applid tranid* **The CICS Web Interface program DFHWBA1 has been started incorrectly.**

+ **Explanation:** Program DFHWBA1 has detected an error while validating initialization information. This probably means that the program has been started incorrectly.

+ **System Action:** The transaction abends with abend code AWBQ.

+ **User Response:** Check that the program was not started by a transient data trigger level or by a CECL user.

+ **Destination:** CWBO

+ **Module:** DFHWBAS

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0125** *date time applid tranid* **The CICS Web Interface program DFHWBA1 has detected an abend issued by the program program.**

+ **Explanation:** Program DFHWBA1 has detected an abend by the program that was servicing the request.

+ **System Action:** The alias returns control to the caller.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1S

+ **XMEOUT Parameters:** *date, time, applid, tranid, program*

+ **DFHWB0126** *date time applid tranid* **The CICS Web Interface program DFHWBA1 has detected an abend issued by Encode in converter program program.**

+ **Explanation:** Program DFHWBA1 has detected an abend by the program that was servicing the request during Encode processing.

+ **System Action:** The alias returns control to the caller.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1S

+ **XMEOUT Parameters:** *date, time, applid, tranid, program*

+ **DFHWB0127** *date time applid tranid* **The CICS Web Interface program DFHWBA1 has detected an abend issued by Decode in converter program.**

+ **Explanation:** Program DFHWBA1 has detected an abend by the converter that was servicing the request during Decode processing.

+ **System Action:** The alias returns control to the caller.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1S

+ **XMEOUT Parameters:** *date, time, applid, tranid, program*

+ **DFHWB0128** *date time applid tranid* **An error has been detected by program program.**

+ **Explanation:** Program DFHWBA1 has detected an error.

+ **System Action:** The alias returns control to the caller.

+ **User Response:** Examine the diagnostics to determine the reason for the error.

+ **Destination:** CWBO

+ **Module:** DFHWBA1S

+ **XMEOUT Parameters:** *date, time, applid, tranid, program*

+ **DFHWB0500I** *date time applid tranid* **CICS Web Interface enable processing is complete. Host IP address: hostaddr.**

+ **Explanation:** The enable process has completed successfully.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** Console and Transient Data Queue CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0501** *date time applid tranid* **CICS Web Interface normal disable processing has started. Host IP address: hostaddr.**

+ **Explanation:** The server controller has started normal disable processing following a request by a connection manager user.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0502** *date time applid tranid* **CICS Web Interface immediate disable processing has started. Host IP address: *hostaddr*.**

+ **Explanation:** The server controller has started immediate disable processing following a request by a connection manager user.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0503I** *date time applid tranid* **CICS Web Interface disable processing is complete.**

+ **Explanation:** The server controller has completed the disable processing.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** Console and Transient Data Queue CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0504** *date time applid tranid* **The CICS Web Interface server controller has started exception disable of the CICS Web Interface. Host IP address: *hostaddr*.**

+ **Explanation:** The server controller has started an exception disable of the CICS Web Interface following an error during its operation. The error has already been reported.

+ **System Action:** Disable processing continues.

+ **User Response:** See the associated diagnostics for further information about the error.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0510** *date time applid tranid* **The CICS Web Interface server controller is abending with abend code AWB1.**

+ **Explanation:** The server controller encountered an error and cannot continue.

+ **System Action:** The server controller abends with abend code AWB1. The CICS Web Interface is disabled.

+ **User Response:** This message will always be preceded by an error message that describes the particular error encountered. See the associated diagnostics and the description of that message for further guidance.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0511** *date time applid tranid* **The CICS Web Interface server controller has received an unexpected response on a call to CICS during enable processing. EIBRESP: *eibresp* EIBRESP2: *resp2val*.**

+ **Explanation:** Enable processing cannot continue because of an error in an EXEC CICS EXTRACT EXIT call. The response values returned by the call are included in the message.

+ **System Action:** A system dump is taken. The server controller abends with abend code AWB1. The CICS Web Interface remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*

+ **DFHWB0512** *date time applid tranid* **The CICS Web Interface could not be enabled because of an internal error in the server controller.**

+ **Explanation:** The server controller cannot start because of an internal error.

+ **System Action:** A system dump is taken. The server controller abends with abend code AWB1. The CICS Web Interface remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0513** *date time applid tranid* **The CICS Web Interface server controller is abending with abend code AWB2.**

+ **Explanation:** The server controller encountered an error and initiated an exception disable.

+ **System Action:** The server controller abends with abend code AWB2. The CICS Web Interface is disabled.

+ **User Response:** This message will always be preceded by an error message that describes the particular error encountered. See the associated diagnostics and the description of that message for further guidance.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0520** *date time applid tranid* **The CICS Web Interface server controller received a program ID error when linking to analyzer *progname*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller used EXEC CICS LINK for analyzer but received a PGMIDERR response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Make sure that the analyzer name set by connection manager at enable time is valid and is a currently installed program.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, progname, eibresp, resp2val, hostaddr, clientaddr*

+ **DFHWB0521** *date time applid tranid* **The CICS Web Interface server controller received a NOTAUTH condition when linking to analyzer *progname*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller used EXEC CICS LINK to link to analyzer but received a NOTAUTH response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Make sure that the server controller task is authorized to use the specified analyzer.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, progname, eibresp, resp2val, hostaddr, clientaddr*

+ **DFHWB0522** *date time applid tranid* **The CICS Web Interface server controller received a serious error when linking to analyzer *progname*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller used EXEC CICS LINK to link to analyzer but received an error response other than PGMIDERR or NOTAUTH.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Analyze the EIBRESP and EIBRESP2 values in the message to determine the cause of the link failure.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, progname, eibresp, resp2val, hostaddr, clientaddr*

+ **DFHWB0523** *date time applid tranid* **The CICS Web Interface analyzer program returned an error response. Program name: *progname*. RESPONSE: *response*. REASON: *reason*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** As part of its normal processing of a request, the server controller invokes the user replaceable analyzer to tailor the required actions. This program returns RESPONSE and REASON values. The values returned for this request indicate that an error has been detected by the analyzer.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Examine the RESPONSE and REASON values in the message to determine the cause of the error.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, progname, response, reason, hostaddr, clientaddr*

+ **DFHWB0524** *date time applid tranid* **The CICS Web Interface server controller received a NOTAUTH condition when starting the alias transaction *tranid*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Termid: *termid*. Userid: *userid*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller issued EXEC CICS START for the requested alias transaction ID *tranid* but received a NOTAUTH response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Ensure that the server controller task is authorized to use the specified transaction ID.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, tranid, eibresp, resp2val, termid, userid, hostaddr, clientaddr*

+ **DFHWB0525** *date time applid tranid* **The CICS Web Interface server controller received a TERMIDERR condition when starting the alias transaction *tranid*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Termid: *termid*. Userid: *userid*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller issued EXEC CICS START for the requested alias transaction ID *tranid* but received a TERMIDERR response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Ensure that the specified terminal has an installed definition, or change the analyzer to request either a different terminal or none at all.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, tranid, eibresp, resp2val, termid, userid, hostaddr, clientaddr*

+ **DFHWB0526** *date time applid tranid* **The CICS Web Interface server controller received a TRANSIDERR condition when starting the alias transaction *tranid*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Termid: *termid*. Userid: *userid*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller issued EXEC CICS START for the requested alias transaction ID *tranid* but received a TRANSIDERR response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Ensure that the specified transaction has an installed definition, or change the analyzer to request a different transaction ID.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, tranid, eibresp, resp2val, termid, userid, hostaddr, clientaddr*

+ **DFHWB0527** *date time applid tranid* **The CICS Web Interface server controller received a USERIDERR condition when starting the alias transaction *tranid*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Termid: *termid*. Userid: *userid*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller issued EXEC CICS START for the requested alias transaction ID *tranid* but received a USERIDERR response.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Ensure that the specified user ID is valid, or change the analyzer to request either a different user ID or none at all.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, tranid, eibresp, resp2val, termid, userid, hostaddr, clientaddr*

+ **DFHWB0528** *date time applid tranid* **The CICS Web Interface server controller received a serious error condition when starting the alias transaction *tranid*. EIBRESP: *eibresp*. EIBRESP2: *resp2val*. Termid: *termid*. Userid: *userid*. Host IP address: *hostaddr*. Client IP address: *clientaddr*.**

+ **Explanation:** The server controller issued EXEC CICS START for the requested alias transaction ID *tranid* but received an error response that was not caused by invalid parameters returned from the analyzer.

+ **System Action:** An error response is sent to the client and processing of the request is terminated.

+ **User Response:** Use the EIBRESP and EIBRESP2 values to determine why the EXEC CICS START failed.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, tranid, eibresp, resp2val, termid, userid, hostaddr, clientaddr*

+ **DFHWB0529** *date time applid tranid* **The CICS Web Interface server controller HANDLE ABEND code was entered as a result of an error in the analyzer *analyzer_program_name*. Client IP address: *clientaddr*. Host IP address: *hostaddr*.**

+ **Explanation:** An error has occurred in the analyzer. Because the analyzer does not contain HANDLE ABEND logic, the error is routed to the server controller.

+ **System Action:** An error is returned to the client and the request is terminated.

+ **User Response:** Correct the error in the analyzer. Add handle abend logic to the analyzer so that it can handle its own errors, then replace it.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, analyzer_program_name, clientaddr, hostaddr*

+ **DFHWB0530** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error while processing a client request. Client IP address: *clientaddr*. Host IP address: *hostaddr*.**

+ **Explanation:** An internal error has forced the CICS Web Interface to abandon a client request.

+ **System Action:** A system dump is taken. An error response is sent to the client and the request is terminated. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, clientaddr, hostaddr*

+ **DFHWB0531** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error when no client request was being processed. Host IP address: *hostaddr*.**

+ **Explanation:** An internal error has occurred in the server controller. No client requests are affected.

+ **System Action:** A system dump is taken. The server controller continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0532** *date time applid tranid* **The CICS Web Interface server controller has received an unexpected response on a call to CICS during disable processing. EIBRESP: *eibresp* EIBRESP2: *resp2val*.**

+ **Explanation:** Disable processing received an error in an EXEC CICS DISABLE call. The response values returned by the call are included in the message.

+ **System Action:** Disable continues, but will not be complete. Any attempt to re-enable the CICS Web Interface will probably fail. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*

+ **DFHWB0533** *date time applid tranid* **The CICS Web Interface server controller has received an unexpected response on a call to CICS during disable processing. EIBRESP: *eibresp* EIBRESP2: *resp2val*.**

+ **Explanation:** Disable processing received an error in an EXEC CICS FREEMAIN call to remove the HTTP caller module, DFHWBWB, from storage. The response values returned by the call are included in the message.

+ **System Action:** Disable continues, but will not be complete. Any attempt to re-enable the CICS Web Interface will probably fail. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*

+ **DFHWB0534** *date time applid tranid* **The CICS Web Interface server controller could not activate the RP TCB during enable processing.**

+ **Explanation:** Enable processing received an error while trying to activate the RP TCB.

+ **System Action:** The server controller abends with abend code AWB1. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** See the messages already issued by the dispatcher domain to determine the cause of the error.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0535** *date time applid tranid* **The CICS Web Interface server controller could not add a storage subpool during enable processing.**

+ **Explanation:** Enable processing received an error from a storage manager ADD_SUBPOOL request.

+ **System Action:** The server controller abends with abend code AWB1. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** See the messages already issued by the storage manager domain to determine the cause of the error.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0536** *date time applid tranid* **The CICS Web Interface server controller could not load module DFHWBWB during enable processing. EIBRESP: *eibresp* EIBRESP2: *resp2val*.**

+ **Explanation:** Enable processing received an error from an EXEC CICS LOAD call for the HTTP caller program, DFHWBWB. The response values returned by the call are included in the message.

+ **System Action:** The server controller abends with abend code AWB1.

+ **User Response:** Ensure that DFHWBWB is defined to CICS and is present in the DFHRPL library.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, resp2val*

+ **DFHWB0537** *date time applid tranid* **The CICS Web Interface server controller could not initialize the HTTP caller during enable processing.**

+ **Explanation:** Enable processing received an error while trying to initialize the HTTP caller component.

+ **System Action:** The server controller abends with abend code AWB1.

+ **User Response:** The HTTP caller issues messages indicating the cause of the error.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0538** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error when no client request was being processed. Host IP address: *hostaddr*.**

+ **Explanation:** The HTTP caller detected an error while processing a call from the server controller.

+ **System Action:** The HTTP caller issues diagnostic messages. An exception disable of the CICS Web Interface is initiated. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Proceed as instructed in the HTTP caller messages.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0539** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error when no client request was being processed. Host IP address: *hostaddr*.**

+ **Explanation:** the CICS dispatcher detected an error while processing a call from the server controller.

+ **System Action:** The dispatcher issues diagnostic messages. An exception disable of the CICS Web Interface is initiated. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Proceed as indicated in the dispatcher messages.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB0540** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error.**

+ **Explanation:** The server controller was unable to switch to the RP TCB.

+ **System Action:** The CICS dispatcher issues messages indicating the cause of the error. An exception disable of the CICS Web Interface is initiated.

+ **User Response:** Proceed as indicated in the dispatcher messages.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0541** *date time applid tranid* **The CICS Web Interface server controller has encountered an internal error.**

+ **Explanation:** The server controller was unable to acquire the storage to be used for the next client request.

+ **System Action:** The storage manager issues messages indicating the cause of the error. An exception disable of the CICS Web Interface is initiated.

+ **User Response:** Proceed as indicated by the storage manager messages.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB0550** *date time applid tranid* **The CICS Web Interface server controller could not initialize the HTTP caller during enable processing because the requested port was not available.**

+ **Explanation:** The CICS Web Interface could not be enabled, because the requested port was not available.

+ **System Action:** The server controller abends with abend code AWBA.

+ **User Response:** Check your TCP/IP for MVS/ESA system. The requested port may already be in use, or may have been reserved for use by another server.

+ **Destination:** CWBO

+ **Module:** DFHWBM

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1000** *date time applid* **The CICS Web Interface HTTP caller is initializing.**

+ **Explanation:** The server controller has started initialization of the HTTP caller.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBWB

+ **XMEOUT Parameters:** *date, time, applid*

+ **DFHWB1001** *date time applid* **The CICS Web Interface HTTP caller has been initialized successfully.**

+ **Explanation:** The HTTP caller has been initialized, and it is now ready to process incoming HTTP requests.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBWB

+ **XMEOUT Parameters:** *date, time, applid*

+ **DFHWB1002** *date time applid* **The CICS Web Interface HTTP caller is shutting down.**

+ **Explanation:** Termination of the HTTP caller has started.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBWB

+ **XMEOUT Parameters:** *date, time, applid*

+ **DFHWB1003** *date time applid* **The CICS Web Interface HTTP caller has successfully shut down.**

+ **Explanation:** Termination of the HTTP caller has completed.

+ **System Action:** Processing continues.

+ **User Response:** None.

+ **Destination:** CWBO

+ **Module:** DFHWBWB

+ **XMEOUT Parameters:** *date, time, applid*

#

APAR PQ22717

#

New message DFHWB1004

DFHWB1004 *date time applid* **CICS has detected that TCP/IP is no longer active. The CICS Web Interface will be disabled.**

Explanation: TCP/IP is no longer active. This means that requests cannot be processed by the CICS Web Interface.

System Action: Exception entry code X'9F36' is made in the trace table. No system dump is taken, unless you have specifically requested dumps in the dump table. The CICS Web Interface is exception disabled.

DFHWB1005

```
# User Response: The CICS Web Interface should not be
# re-enabled using the CWBC transaction until TCP/IP has been
# restarted.
# Destination: Console and Transient Data Queue CWBO
# Module: DFHWBWB
# XMEOUT Parameters: date, time, applid
```

```
+ DFHWB1005 date time applid tranid An error (code X'code') has
+ occurred in module modname whilst processing
+ data received from IP address ipaddr.
+ Explanation: An error has been detected in module modname
+ while processing data received from IP address ipaddr. The code
+ X'code' is the exception trace point ID, which gives an indication
+ of the cause of the error:
#
```

```
# APAR PQ21555
```

```
Exception trace point 9F1A removed from message
DFHwb1005
```

```
#
```

```
# APAR PQ05765
```

```
Additional bullet added to message DFHWB1005
```

```
#
```

- # • 9F21—TCP/IP connection lost
- + • 9F22—Storage error detected on receive call to TCP/IP for
- + MVS
- + • 9F24—Invalid socket detected on send call to TCP/IP for MVS
- + • 9F25—Storage error detected on send call to TCP/IP for MVS
- + • 9F29—No data received on receive call to TCP/IP for MVS
- + • 9F2B—Amount of data received on receive to TCP/IP for MVS
- + exceeded the limit for the CICS Web Interface
- #

```
# APAR PQ19311
```

```
Additional bullet added to message DFHWB1005
```

```
#
```

- # • 9F2E—The requested connection was refused on the accept
- # call to TCP/IP for MVS.

```
+ System Action: Exception entry code X'code' is made in the
+ trace table. No system dump is taken, unless you have specifically
+ requested dumps in the dump table.
+ User Response: There are some specific user actions for certain
+ values of X'code':
+
+ • 9F0D,9F0E: If these errors occur, you may be trying to enable
+ the Web Interface using a port which TCP/IP for MVS has
+ already reserved for another service. Look at the TCP/IP for
+ MVS diagnostics.
+
+ • 9F22,9F25: If these short on storage conditions persist, you
+ may need to adjust the CICS DSA size or maximum number of
+ tasks, or adjust your TCP/IP for MVS.
+
+ • 9F27: Ensure that TCP/IP for MVS has been started.
+ For other TCP/IP for MVS problems, look at the TCP/IP for MVS
+ diagnostics.
+ Destination: CWBO
+ Module: DFHWBWB
+ XMEOUT Parameters: date, time, applid, tranid, X'code',
+ modname, ipaddr
```

```
# APAR PQ11796
```

```
New message DFHWB1006
```

```
# DFHWB1006 date time applid tranid CICS Web Interface is unable
# to resolve the TCP/IP name of the machine on
# which it is running. Error Code X'code' IP
# Address:ipaddr.
# Explanation: An error has been detected in module modname
# following a TCP/IP gethostbyaddr call to retrieve the IP name of
# the host (ipaddr) on which CICS is running. The code is the error
# code returned by TCP/IP, which gives an indication of the cause of
# the error. Refer to the TCP/IP for MVS: Application Programmers
# Interface Reference, (SC31-7187) for details.
# System Action: Exception entry code code is made in the trace
# table. No system dump is taken, unless you have specifically
# requested dumps in the dump table.
# User Response: This error occurs if there is no TCP/IP Domain
# Name Server set up for the instance of TCP/IP for MVS which this
# CICS is using. Users who are not using a Domain Name Server
# need take no action. Users who are using a Domain Name Server,
# and who wish the CICS Web Interface to have access to the full IP
# name of the instance of TCP/IP for MVS that the CICS Web
# Interface is using, need to use the code to determine the reason for
# the failure of the gethostbyaddr call. Refer to the TCP/IP for MVS:
# Application Programmers Interface Reference, (SC31-7187) for
# details.
# Destination: CWBO
# Module: DFHWBWB
# XMEOUT Parameters: date, time, applid, tranid, X'code', ipaddr
```

```
+ DFHWB1100 E date time applid The CICS Web Interface received
+ data from the user application that is longer than
+ expected.
+ Explanation: The environment variables program has received
+ data from a user application. However the data received was
+ longer than expected.
+ System Action: Exception trace point APA302 is written. The
+ environments program abnormally terminates with abend code
+ AWE1.
+ User Response: Examine the data sent to CICS from the
+ application program.
+ Destination: Console Routecodes 2 and 12 and Transient Data
+ Queue CWBO
+ Module: DFHWBENV
+ XMEOUT Parameters: date, time, applid
```

```
# APAR PQ16020
```

```
New message DFHWB1200
```

```
#
```

```
# DFHWB1200 date time applid tranid The CICS Web Interface
# analyzer program set parameter
# wbra_user_data_length to more than the maximum.
# Program name: progrname. RESPONSE: response.
# REASON: reason. Host IP address: hostaddr. Client
# IP address: clientaddr. Data offset: X'data offset'.
# Data length: X'data length'. Buffer length: X'buffer
# length'.
# Explanation: As part of its normal processing of a request, the
# server controller invokes the user replaceable analyzer to tailor the
# required actions. This program is passed the length of the user
# data part of the HTTP request in parameter
# wbra_user_data_length, which it can modify. However the modified
```

value is greater than the maximum allowable value which
 # represents the available space in the data buffer.

System Action: An error response is sent to the client and
 # processing of the request is terminated.

User Response: Modify the analyzer program so that it does not
 # set the parameter `wbra_user_data_length` to be greater than the
 # maximum. The sum of the data offset and the data length should
 # not exceed the buffer length.

Destination: CWBO

Module: DFHWBM

XMEOUT Parameters: *date, time, applid, tranid, progname,*
 # *response, reason, hostaddr, clientaddr, X'data offset', X'data*
 # *length', X'buffer length'*

+ **DFHWB1500** *date time applid tranid* **Invalid data has been entered**
 + in field *fieldname*.

+ **Explanation:** Invalid data was entered on a connection manager
 + panel in field *fieldname*.

+ **System Action:** The panel is redisplayed and the field in error is
 + highlighted.

+ **User Response:** Enter valid data in the field indicated. See the
 + *CICS Web Interface Guide* for further guidance.

+ **Destination:** Terminal End User

+ **Module:** DFHWBC0B

+ **DFHWB1505** *date time applid tranid* **The CICS Web Interface**
 + **connection manager has not been started correctly.**

+ **Explanation:** The connection manager has been started from a
 + non-BMS terminal but is not being used to enable or disable the
 + CICS Web Interface.

+ **System Action:** The connection manager terminates.

+ **User Response:** See the *CICS Web Interface Guide* for guidance
 + on how to start the connection manager.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1506** *date time applid tranid* **The CICS Web Interface**
 + **connection manager detected an error attempting**
 + **to retrieve fast path data. EIBRESP:** *eibresp*.

+ **Explanation:** The connection manager was attempting to retrieve
 + any fast path commands that may have been specified when it was
 + initiated. The connection manager issued an EXEC CICS
 + GETMAIN command, but received the response *eibresp*.

+ **System Action:** A system dump is taken. The connection
 + manager continues but any fast path commands are ignored.
 + Message DFHME0116 is normally produced containing the
 + symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve
 + this problem. See the *CICS Web Interface Guide* and Part 4 of the
 + *Problem Determination Guide* for guidance on how to proceed.
 + Report the details of the symptom string given in message
 + DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp*

+ **DFHWB1507** *date time applid tranid* **An invalid CICS Web Interface**
 + **fast path command has been entered:**
 + *fastpath_command*.

+ **Explanation:** The connection manager was started by entering a
 + fast path command, but the format of the command was invalid.

+ **System Action:** The connection manager is started, but fast path
 + commands are ignored.

+ **User Response:** Enter a valid fast path command. See the *CICS*
 + *Web Interface Guide* for further guidance.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid,*
 + *fastpath_command*

+ **DFHWB1508** *date time applid tranid* **The CICS Web Interface**
 + **connection manager has not been started correctly.**

+ **Explanation:** The connection manager was attempting to retrieve
 + any fast path commands that may have been specified when it was
 + initiated, but detected an invalid STARTCODE indicator.

+ **System Action:** The connection manager continues but any fast
 + path commands are ignored.

+ **User Response:** See the *CICS Web Interface Guide* for guidance
 + on how to start the connection manager. If the connection
 + manager was started correctly, you need further assistance from
 + IBM to resolve this problem. See the *CICS Web Interface Guide*
 + and Part 4 of the *Problem Determination Guide* for guidance on
 + how to proceed.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1509** *date time applid tranid* **The CICS Web Interface**
 + **connection manager detected an error attempting**
 + **to retrieve any fast path data. EIBRESP:** *eibresp*.

+ **Explanation:** The connection manager was attempting to retrieve
 + any fast path commands that may have been specified when it was
 + initiated using an EXEC CICS START command. The connection
 + manager issued an EXEC CICS RETRIEVE command, but
 + received the response *eibresp*.

+ **System Action:** A system dump is taken. The connection
 + manager continues but any fast path commands are ignored.
 + Message DFHME0116 is normally produced containing the
 + symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve
 + this problem. See the *CICS Web Interface Guide* and Part 4 of the
 + *Problem Determination Guide* for guidance on how to proceed.
 + Report the details of the symptom string given in message
 + DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp*

+ **DFHWB1510** *date time applid tranid* **The CICS Web Interface connection manager detected an error while accessing the CICS Web Interface data set, CICS file *filename*. EIBRESP: *eibresp*.**

+ **Explanation:** The connection manager could not access the CICS Web Interface data set, CICS file *filename*. An EXEC CICS READ was issued, but received the response *eibresp*. The data set has not been correctly defined to CICS for one of the following reasons:

- + • No file definition has been found for *filename*. The CICS Web Interface has therefore not been installed correctly.
- + • READ operations are not allowed on the file.
- + • The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- + • The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- + • The connection manager transaction, or the user running it, does not have the necessary level of authority to access the file.

+ **System Action:** The requested operation is not performed.

+ **User Response:** See the *CICS/ESA Application Programming Reference* for the meaning of the EIBRESP value, and take appropriate action.

+ **Destination:** CWBO

+ **Module:** DFHWBC09

+ **XMEOUT Parameters:** *date, time, applid, tranid, filename, eibresp*

+ **DFHWB1511** *date time applid tranid* **The CICS Web Interface connection manager has detected a logic error accessing the CICS Web Interface data set, CICS file *filename*.**

+ **Explanation:** The connection manager received an unexpected error when accessing the CICS Web Interface data set, CICS file *filename*. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

+ **System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC09

+ **XMEOUT Parameters:** *date, time, applid, tranid, filename*

+ **DFHWB1512** *date time applid tranid* **The CICS Web Interface connection manager cannot access the CICS Web Interface data set, CICS file *filename*.**

+ **Explanation:** The connection manager could not access the CICS Web Interface data set, CICS file *filename*. The data set has been incorrectly defined to CICS for one of the following reasons:

- + • No file definition has been found for *filename*. The CICS Web Interface has therefore not been installed correctly.
- + • READ operations are not allowed on the file.

+ • The file has been disabled, either due to an incorrect data set definition, or due to operator intervention.

+ • The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.

+ • The connection manager transaction, or the user running the connection manager, does not have the authority necessary to access the file.

+ **System Action:** The message is displayed at the terminal.

+ **User Response:** Ensure that all the CEDA groups for the CICS Web Interface have been installed correctly.

+ Investigate whether the operator has changed the status of the file for any reason.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid, filename*

+ **DFHWB1514** *date time applid tranid* **The CICS Web Interface connection manager has detected that the CICS Web Interface global work area does not have the expected length.**

+ **Explanation:** The connection manager detected that the length of the associated global work area is not correct.

+ **System Action:** A system dump is taken. The CICS Web Interface is disabled. It is not possible to enable the CICS Web Interface until the problem is resolved. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Ensure that no user-written version of program DFHWBTRU is being used. Only the CICS supplied program can be used with the CICS Web Interface. Similarly, the CICS Web Interface supplied task-related user exit DFHWBTRU should be enabled and disabled only by the connection manager. It should not be necessary to enable or disable DFHWBTRU in any other way.

+ **Destination:** CWBO

+ **Module:** DFHWBC01

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1515** *date time applid tranid* **The CICS Web Interface connection manager detected an error while accessing the CICS Web Interface data set, CICS file *filename*. EIBRESP: *eibresp*.**

+ **Explanation:** The connection manager could not access the CICS Web Interface data set, CICS file *filename*. An EXEC CICS READ was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

+ • The file is defined as remote, and there is an error on the connection to the owning system.

+ • VSAM has returned an unexpected response to CICS.

+ • An I/O error occurred on the READ.

+ **System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** See the *CICS/ESA Application Programming Reference* for the meaning of the EIBRESP value, and take appropriate action.

+ **Destination:** CWBO

+ **Module:** DFHWBC0

-
- + **XMEOUT Parameters:** *date, time, applid, tranid, filename, eibresp*
-
- + **DFHWB1516** *date time applid tranid* **The CICS Web Interface connection manager cannot access the Interface definition record in the CICS Web Browser Interface data set, CICS file *filename*.**
- + **Explanation:** The connection manager found that the CICS Web Interface definition record is missing from the CICS Web Interface data set, CICS file *filename*, while processing a request to update this record.
- + **System Action:** A system dump is taken. The connection manager panel is redisplayed. The CICS Web Interface definition record cannot be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Investigate why this record is missing. Create a new definition record using the connection manager.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid, filename*
-
- + **DFHWB1518** *date time applid tranid* **The CICS Web Interface connection manager cannot find the global work area.**
- + **Explanation:** The connection manager cannot access its global work area.
- + **System Action:** A system dump is taken. The connection manager continues, but the CICS Web Interface cannot be enabled. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** End the connection manager. Ensure that all the CEDA groups containing the CICS Web Interface definitions have been correctly installed. Then try running the connection manager again.
- + Investigate whether the operator has disabled the task-related user exit DFHWBTRU.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB1519** *date time applid tranid* **The CICS Web Interface connection manager cannot find the task-related user exit.**
- + **Explanation:** The connection manager cannot access its task-related user exit because DFHWBTRU is:
- + • Not defined to CICS
 - + • Not in the CICS load library
 - + • Disabled
- + **System Action:** A system dump is taken. The CICS Web Interface is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** End the connection manager. Ensure that all the CEDA groups containing the CICS Web Interface definitions have been installed correctly. Then try running the connection manager again.
- + If the CICS Web Interface has been correctly installed, check that the operator has not disabled DFHWBTRU.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
-
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB1520** *date time applid tranid* **The CICS Web Interface connection manager is not authorized to access its task-related user exit. EIBRESP2: *eibresp2*.**
- + **Explanation:** The connection manager used EXEC CICS EXTRACT EXIT to find the task-related user exit, but received a NOTAUTH response.
- + **System Action:** A system dump is taken. The CICS Web Interface is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Use the EIBRESP2 value to identify the problem.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid, eibresp2*
-
- + **DFHWB1521** *date time applid tranid* **The CICS Web Interface connection manager cannot access its task-related user exit.**
- + **Explanation:** The connection manager cannot access the task-related user exit. It received an unexpected response to an EXEC CICS EXTRACT EXIT call.
- + **System Action:** A system dump is taken. The CICS Web Interface is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB1522** *date time applid tranid* **The CICS Web Interface connection manager has been started against an invalid terminal.**
- + **Explanation:** The connection manager has been started against a terminal that is not supported, for example, an LUTYPE6 terminal.
- + **System Action:** The connection manager abends with abend code AWBX.
- + **User Response:** Start the connection manager against a valid terminal. See the *CICS Web Interface Guide* for further guidance on starting the connection manager.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*
-
- + **DFHWB1523** *date time applid tranid* **The CICS Web Interface cannot be enabled because the connection manager cannot access the task-related user exit DFHWBTRU.**
- + **Explanation:** The connection manager could not enable the CICS Web Interface because an error occurred accessing the task related user exit DFHWBTRU.
- + **System Action:** A system dump is taken. This instance of connection manager can only be used to inquire on, or update the

DFHWB1524

- + CICS Web Interface data set. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:**
- + See the CWBO transient data queue for messages indicating the nature of the error, and take the appropriate action. Then restart the connection manager transaction CWBC and select the enable option again.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ DFHWB1524 *date time applid tranid* The CICS Web Interface cannot be enabled because the server controller is already running.

- + **Explanation:** The connection manager detected that the task-related user exit DFHWBTRU is disabled, but the server controller transaction CWBM is still running.
- + **System Action:** A system dump is taken. This instance of connection manager can only be used to inquire on, or update, the CICS Web Interface data set. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Investigate why the last attempt to disable the CICS Web Interface did not complete successfully. Investigate the possibility of operator intervention.
- + Once you have established that it is safe to continue, use CEMT SET TASK or EXEC CICS SET TASK to purge the server controller. Then run the connection manager again to enable the CICS Web Interface.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ DFHWB1525 *date time applid tranid* The CICS Web Interface connection manager received an unexpected response from CICS.

- + **Explanation:** The connection manager received an unexpected response to a CICS command. This is a logic error.
- + **System Action:** A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.
- + Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ DFHWB1526 *date time applid tranid* The CICS Web Interface connection manager found that the task-related user exit is enabled, but the server controller is not running.

- + **Explanation:** The connection manager has detected that the task-related user exit DFHWBTRU is enabled, but the server controller is not running. This means that the CICS Web Interface is in an indeterminate state.
- + **System Action:** This instance of connection manager can only be used to inquire on, or update, the CICS Web Interface data set.
- + **User Response:** Investigate whether the previous attempt to disable the CICS Web Interface completed successfully.
- + Alternatively, the server controller task may have been forcepurged by the operator.
- + Having established that it is safe to continue, rerun the connection manager and try to re-enable the CICS Web Interface.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ DFHWB1531 *date time applid tranid* The CICS Web Interface connection manager detected an error while accessing the CICS Web Interface data set, CICS file *filename*. EIBRESP: *eibresp*.

- + **Explanation:** The connection manager could not access the CICS Web Interface data set, CICS file *filename*. An EXEC CICS WRITE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:
 - + • No file definition has been found for the file. This means that the CICS Web Interface has not been installed correctly.
 - + • Write operations are not allowed. This means that the CICS Web Interface has not been installed correctly.
 - + • The file is DISABLED. This is due either to an incorrect file definition, or to operator intervention.
 - + • The file is NOTOPEN, This is due either to incorrect file definition or to operator intervention.
 - + • Write operations are not authorized. This means that security has not been set up correctly.
- + **System Action:** The requested operation is not performed.
- + **User Response:** See the *CICS/ESA Application Programming Reference* for the meaning of the EIBRESP value, and take appropriate action.
- + **Destination:** CWBO
- + **Module:** DFHWBC0
- + **XMEOUT Parameters:** *date, time, applid, tranid, filename, eibresp*

+ DFHWB1532 *date time applid tranid* The CICS Web connection manager detected an error while accessing the CICS Web Interface data set, CICS file *filename*. EIBRESP: *eibresp*.

- + **Explanation:** The connection manager could not access the CICS Web Interface data set, CICS file *filename*. An EXEC CICS WRITE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:
 - + • The file is defined as remote, and there is an error on the connection to the owning system.
 - + • VSAM has returned an unexpected response to CICS.

- + • An I/O error occurred on the WRITE.
- + • There is insufficient space available on the DASD device containing the data set.
- + **System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** See the *CICS/ESA Application Programming Reference* for the meaning of the EIBRESP value, and take appropriate action.
- + **Destination:** CWBO
- + **Module:** DFHWBC0
- + **XMEOUT Parameters:** *date, time, applid, tranid, filename, eibresp*

+ **DFHWB1533** *date time applid tranid* **The CICS Web Interface connection manager has detected a logic error while accessing the CICS Web Interface data set, CICS file *filename*.**

- + **Explanation:** The connection manager used EXEC CICS WRITE to update the CICS Web Interface data set, but received an unexpected response. This is a logic error.
- + **System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC0
- + **XMEOUT Parameters:** *date, time, applid, tranid, filename*

+ **DFHWB1540** *date time applid tranid* **The CICS Web Interface connection manager detected a logic error.**

- + **Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.
- + **System Action:** A system dump is taken. The connection manager abends with abend code AWBV. The other components of the CICS Web Interface continue. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1541** *date time applid tranid* **The CICS Web Interface connection manager detected a logic error.**

- + **Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the

- + *Problem Determination Guide* for guidance on how to proceed.
- + Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1548** *date time applid tranid* **The CICS Web Interface connection manager detected an error attempting to retrieve fast path data. EIBRESP: *eibresp*.**

- + **Explanation:** The connection manager was attempting to retrieve fast path commands specified when it was initiated from a terminal. The connection manager issued an EXEC CICS RECEIVE command, but received a response in field *eibresp*.
- + **System Action:** A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid, eibresp*

+ **DFHWB1549** *date time applid tranid* **The CICS Web Interface connection manager received an error response while registering with CICS for problem determination.**

- + **Explanation:** The connection manager received an unexpected response from CICS when attempting to register for problem determination.
- + **System Action:** A system dump is taken. CICS feature tracing and dump formatting cannot be used for the CICS Web Interface. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC01
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1550** *date time applid tranid* **The CICS Web Interface connection manager received an error response while registering with CICS for problem determination.**

- + **Explanation:** The connection manager received an unexpected response from CICS when attempting to register for problem determination.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the

DFHWB1554

- + *Problem Determination Guide* for guidance on how to proceed.
- + Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1554** *date time applid tranid* **The CICS Web Interface connection manager is not authorized to use the CICS SPI.**

- + **Explanation:** The connection manager has not been defined with the authorization necessary to execute CICS system programming interface commands. It cannot function without this authorization.
- + **System Action:** A system dump is taken. The enable attempt is abandoned.
- + **User Response:** Message DFHME0116 is normally produced containing the symptom string for this problem. Redefine the connection manager transaction and its associated program DFHWBC00 with the level of security necessary to use the CICS SPI.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1555** *date time applid tranid* **The CICS Web Interface connection manager is not authorized to use the program DFHWBTRU.**

- + **Explanation:** The connection manager used the EXEC CICS ENABLE PROGRAM command for DFHWBTRU, but it has not been defined with the authorization necessary to use DFHWBTRU. It cannot function without this authorization.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Redefine the connection manager and its associated programs with the level of security necessary to use the CICS Web Interface supplied task-related user exit DFHWBTRU.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1556** *date time applid tranid* **The CICS Web Interface connection manager has detected an internal error during enable processing.**

- + **Explanation:** An internal error detected by the connection manager during enable processing has prevented the CICS Web Interface from being enabled.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1564** *date time applid tranid* **The CICS Web Interface could not be enabled due to an internal error while starting the server controller. Host IP address: *hostaddr*.**

- + **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but could not identify the response.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid, hostaddr*

+ **DFHWB1565** *date time applid tranid* **The CICS Web Interface cannot be enabled because the connection manager is not authorized to start the server controller. EIBRESP: *eibresp*. Host IP address: *hostaddr*.**

- + **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the NOTAUTH response was returned.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** See the *CICS/ESA System Programming Reference* for the meaning of the value returned in *eibresp*. Use CEDA to ensure that the resource definitions for the CICS Web Interface supplied programs and transactions have been defined with the correct levels of security. The connection manager must have the correct level of authority to start the server controller before the CICS Web Interface to be enabled.
- + **Destination:** CWBO
- + **Module:** DFHWBC42
- + **XMEOUT Parameters:** *date, time, applid, tranid, eibresp, hostaddr*

+ **DFHWB1566** *date time applid tranid* **The CICS Web Interface cannot be enabled due to an error starting the server controller. EIBRESP: *eibresp*. Host IP address: *hostaddr*.**

- + **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the TRANSIDERR response was returned.
- + See the *CICS/ESA System Programming Reference* for the meaning of the value returned in *eibresp*.
- + **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
- + **User Response:** Use CEDA to ensure that the resource definitions for the server controller supplied programs and transactions have been defined and installed correctly.
- + **Destination:** CWBO
- + **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, eibresp, hostaddr*

+ DFHWB1567 *date time applid tranid* The CICS Web Interface could not be enabled due to a security error starting the server controller. User ID *userid* is unknown. Host IP address: *hostaddr*.

+ **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

+ The user ID specified for the server controller is not known to the external security manager.

+ **System Action:** The enable attempt is abandoned.

+ **User Response:** Ensure that a valid user ID is specified for CWBM Userid.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, userid, hostaddr*

+ DFHWB1568 *date time applid tranid* The CICS Web Interface could not be enabled due to a security error starting the server controller. Host IP address: *hostaddr*.

+ **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

+ The external security manager cannot validate the user ID specified for the server controller.

+ **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Investigate the reason why the external security manager cannot perform this request.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

+ DFHWB1575 *date time applid tranid* The CICS Web Interface could not be enabled due to an internal error starting the server controller. Host IP address: *hostaddr*.

+ **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but received an unexpected response.

+ **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

+ DFHWB1576 *date time applid tranid* The CICS Web Interface could not be enabled due to an internal error starting the server controller. EIBRESP: *eibresp*. Host IP address: *hostaddr*.

+ **Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the INVREQ response was returned.

+ **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, eibresp, hostaddr*

+ DFHWB1577 *date time applid tranid* The CICS Web Interface connection manager cannot access its task-related user exit DFHWBTRU.

+ **Explanation:** The connection manager was unable to access its task-related user exit DFHWBTRU during enable processing.

+ **System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Check that the task-related user exit has not been disabled by operator intervention. See the associated diagnostics issued by CICS for problem determination.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid*

+ DFHWB1580 *date time applid tranid* The CICS Web Interface connection manager cannot establish whether security is active or obtain the default CICS user ID. EIBRESP: *eibresp*.

+ **Explanation:** The connection manager was unable to retrieve CICS status information, and therefore cannot establish whether security is active, or obtain the default CICS user ID.

+ An EXEC CICS INQUIRE SYSTEM was issued but received the response shown in the message.

+ **System Action:** Processing continues under the assumption that there is no security active.

+ Panel DFHWB02 is displayed with no user ID in field CWBM Userid, unless a user ID was saved in the CICS Web Interface data set.

+ **User Response:** Ensure that the connection manager has the correct level of security to use CICS system programming interface commands.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ XMEOUT Parameters: *date, time, applid, tranid, eibresp*

+ **DFHWB1581** *date time applid tranid* **The CICS Web Interface connection manager detected an internal error while accessing the CICS Web Interface data set, CICS file filename.**

+ **Explanation:** The connection manager has detected an internal error while accessing the CICS Web Interface data set.

+ **System Action:** A system dump is taken. The panel is redisplayed. No records can be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC03

+ **XMEOUT Parameters:** *date, time, applid, tranid, filename*

+ **DFHWB1582** *date time applid tranid* **The CICS Web Interface connection manager detected an internal error while accessing the CICS Web Interface data set, CICS file filename.**

+ **Explanation:** The connection manager has detected an internal error while accessing the CICS Web Interface data set.

+ **System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC03

+ **XMEOUT Parameters:** *date, time, applid, tranid, filename*

+ **DFHWB1596** *date time applid tranid* **The CICS Web Interface connection manager cannot continue enable processing because it cannot determine the status of the CICS Web Interface.**

+ **Explanation:** The connection manager was trying to enable the CICS Web Interface, but detected an invalid global work area address, or found that it was already enabled.

+ **System Action:** The enable attempt is abandoned.

+ **User Response:** Investigate whether the CICS Web Interface has been disabled. Investigate whether operator command have been issued against the task-related user DFHWBTRU.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1607** *date time applid tranid* **The CICS Web Interface connection manager has detected an error when attempting to disable the CICS Web Interface TRUE (DFHWBTRU).**

+ **Explanation:** The connection manager detected an error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. The TRUE might already be disabled as a result of operator intervention. Alternatively, this could be a result of problems with the CICS Web Interface or with CICS.

+ **System Action:** The CICS Web Interface continues backout of enable processing.

+ **User Response:** See any associated messages reporting the failure of the enable request. Take steps to prevent operator interference with the TRUE.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1608** *date time applid tranid* **The CICS Web Interface connection manager has detected an internal error during backout of enable processing.**

+ **Explanation:** The connection manager has detected an internal error while attempting to disable the task-related user exit (TRUE). This occurred during backout of enable processing initiated by the connection manager in response to a failed enable request. This could be due to problems with the CICS Web Interface or with CICS itself.

+ **System Action:** The CICS Web Interface continues backout of enable processing.

+ **User Response:** See any associated messages reporting the failure of the enable request. If you cannot identify an underlying problem, you will need further assistance from IBM. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1609** *date time applid tranid* **The CICS Web connection manager is not authorized to disable the task-related user exit (DFHWBTRU) during backout of enable processing.**

+ **Explanation:** The connection manager transaction does not have the authority necessary to use the CICS system programming interface and cannot disable its task related user exit (TRUE). This occurred during backout of enable processing initiated by the connection manager in response to a failed enable request. This could be due to problems with the CICS Web Interface or to problems with CICS itself.

+ **System Action:** The CICS Web Interface continues backout of enable processing.

+ **User Response:** See any associated messages reporting the failure of the enable request. If you cannot identify an underlying problem, you will need further assistance from IBM. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1610** *date time applid tranid* **The CICS Web connection manager is not authorized to disable the task-related user exit (DFHWBTRU) during backout of enable processing.**

+ **Explanation:** The connection manager transaction does not have the authority necessary to disable its task-related user exit (TRUE). This occurred during backout of enable processing initiated by the connection manager in response to a failed enable request. This could be due to problems with the CICS Web Interface or to problems with CICS itself.

+ **System Action:** The CICS Web Interface continues backout of enable processing.

+ **User Response:** See any associated messages reporting the failure of the enable request. If you cannot identify an underlying problem, you will need further assistance from IBM. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CWBO

+ **Module:** DFHWBC42

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1650** *date time applid tranid* **The CICS Web Interface connection manager found that the interface is disabled. Requests to disable the interface are ignored.**

+ **Explanation:** A request has been made to disable the CICS Web Interface, but it is already disabled, or in the process of being disabled.

+ **System Action:** The request is ignored. The connection manager panel is redisplayed.

+ **User Response:** Request another option.

+ **Destination:** Terminal End User

+ **Module:** DFHWBC04

+ **DFHWB1651** *date time applid tranid* **The CICS Web Interface connection manager detected a logic error.**

+ **Explanation:** The connection manager has received an unexpected response from CICS following an EXEC CICS command.

+ **System Action:** A system dump is taken. The connection manager abends with abend code AWBV. The rest of the CICS Web Interface continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** You need further assistance from IBM to resolve this problem. See the *CICS Web Interface Guide* and Part 4 of the *Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

+ **Destination:** CWBO

+ **Module:** DFHWBC04

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1900** *date time applid tranid* **The CICS Web Interface connection manager could not find the global work area.**

+ **Explanation:** The connection manager could not find the global work area. The task related user exit DFHWBTRU has been defined incorrectly.

+ **System Action:** A system dump is taken. The CICS Web Interface remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Ensure that all the CEDA groups for the CICS Web Interface have been installed correctly, then try to enable the CICS Web Interface again.

+ Investigate whether the operator has disabled DFHWBTRU.

+ **Destination:** CWBO

+ **Module:** DFHWBC0B

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1901** *date time applid tranid* **The CICS Web Interface connection manager could not find the task-related user exit program DFHWBTRU.**

+ **Explanation:** The connection manager cannot find the task-related user exit, DFHWBTRU, for one of the following reasons:

- + • DFHWBTRU has not been defined to CICS.
- + • DFHWBTRU is not in the CICS load library.
- + • DFHWBTRU has been disabled.

+ **System Action:** A system dump is taken. The CICS Web Interface remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Ensure that all the CEDA groups for the CICS Web Interface have been installed correctly, then try the enable request again.

+ **Destination:** CWBO

+ **Module:** DFHWBC0B

+ **XMEOUT Parameters:** *date, time, applid, tranid*

+ **DFHWB1902** *date time applid tranid* **The CICS Web Interface connection manager does not have sufficient authority to issue the EXEC CICS EXTRACT EXIT command. EIBRESP2: *eibresp2*.**

+ **Explanation:** The connection manager does not have the authority necessary to issue the privileged EXEC CICS EXTRACT EXIT command. It cannot function without this authority.

+ **System Action:** A system dump is taken. The connection manager abends with abend code AWBZ. Message DFHME0116 is normally produced containing the symptom string for this problem.

+ **User Response:** Use the EIBRESP2 value to identify the problem. Ensure that the connection manager and its associated program DFHWBC00 have the authority necessary to issue the EXEC CICS EXTRACT EXIT command for the CICS Web Interface task related user exit DFHWBTRU.

+ **Destination:** CWBO

+ **Module:** DFHWBC0B

+ **XMEOUT Parameters:** *date, time, applid, tranid, eibresp2*

DFHWKxxxx messages

DFHWK0101 *applid* Storage manager failure for DWE Warm Restart.

Explanation: Warm keypoint is processing the saving of deferred work elements (DWEs) for LU6.1 and LU6.2 sessions. The buffer used to write the DWEs to the catalog has failed. The preceding storage (SM) manager domain message indicates the cause of the failure.

System Action: CICS abends with a system dump.

User Response: Refer to the preceding SM domain message for further information and guidance. CICS should be AUTO or COLD restarted.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHWK0102 *applid* Too large a DWE for warm restart - AUTO START should be performed.

Explanation: Warm keypoint is processing the saving of deferred work elements (DWEs) for LU6.1 and LU6.2 sessions. It has found that a DWE is too large to be saved. DWEs are saved in the catalog which imposes a maximum record size constraint. The permitted maximum size is specified in the field DWEMAXLN in the DFHDWEDS DSECT.

System Action: No further DWEs are saved. The catalog is updated to show that warm keypointing failed. The next AUTO start is forced to become an EMERGENCY restart.

User Response: Take the appropriate action for a forthcoming EMERGENCY restart.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHWK0103I *applid* LUC resync required.

Explanation: There are outstanding LUC unit of recovery descriptors (URDs) that require resynchronization.

System Action: CICS shutdown continues.

User Response: Outstanding resynchronization work was present at shutdown. When CICS restarts, take the appropriate action to initiate resynchronization.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHWK0104I *applid* External resource manager resync required.

Explanation: There are outstanding RMI unit of recovery descriptors (URDs) that require resynchronization.

System Action: CICS shutdown continues.

User Response: Outstanding resynchronization work was present at shutdown. When CICS restarts, take the appropriate action to initiate resynchronization.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHWK0105I *applid* Warm keypoint successful.

Explanation: Keypointing has been successful.

System Action: Shutdown continues.

User Response: None.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHWK3107 *applid* Error during keypointing of volume descriptor table.

Explanation: The warm keypoint program was unable to take a warm keypoint of the volume descriptor table.

System Action: CICS abends with MVS user abend code 3107.

User Response: Check for a valid DFHJCT when using standard-labeled tapes.

Destination: Console

Module: DFHWKP

XMEOUT Parameter: *applid*

DFHXAxxxx messages

DFHXA6521I *applid* CICS shutdown initiated by CEBT event

Explanation: This is an informational message issued from the CICS TCB.

System Action: CICS terminates normally.

User Response: None.

Destination: Console

Module: DFHXRPC

XMEOUT Parameter: *applid*

DFHXA6526I *applid* MESSAGE RECEIVED FOR UNSUPPORTED QUEUE X'queue'.

Explanation: This message is issued from the CAVM TCB. A tracking message has been received for a queue with hexadecimal name X'queue'. However this queue is not recognized by CICS.

System Action: CICS processing continues, but tracking messages for queue X'queue' are ignored.

User Response: Check that the active CICS system and the alternate CICS system are at the same functional level with respect to XRF.

If both CICS systems are at the same level, check why the active CICS system has written data to the alternate system.

Ensure that the queue name has not been corrupted.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRB

DFHXA6528I *applid* Unable to link to program *progrname*

Explanation: This message is issued from the CICS TCB. CICS is unable to link to program *progrname*.

System Action: CICS terminates abnormally with a system dump and abend code 0210.

User Response: Examine the dump to determine why CICS was unable to link to program *progrname*.

Ensure that the named program is not missing from the data sets concatenated in the DFHRPL DD statement. If *progrname* is missing, obtain a copy of the program and include it in the library. In addition, ensure that enough storage is available for the dynamic storage areas.

Destination: Console

Module: DFHXRE

XMEOUT Parameters: *applid*, *progrname*

DFHXA6530 *applid* START=STANDBY specified. CICS start-up is terminated because XRF=NO is specified

Explanation: START=STANDBY and XRF=NO cannot be specified together.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the conflicting values of the operands START and XRF.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXA6540I XRF HAS FAILED. ERROR NUMBER *nn* ON XRF MESSAGE DATA SET IN CONTROL INTERVAL WITH RBA HEX'xx'

Explanation: The XRF message manager has encountered a problem with the contents of the given control interval in the message data set. The message includes an error number *nn* which can take one of the following values:

- 01** The CI does not contain an XRF message manager control record.
- 02** The XRF message control record contains a cycle number less than that of the current read cycle.
- 03** The XRF message manager did not find a message record boundary where it expected one.
- 04** There is an XRF message sequence number error.
- 05** The CIDF is invalid (for example, the free area length is negative).
- 06** The length in the RDF is less than the length of a message record header, or is inconsistent with the data length in the message record header.
- 07** The end of the record lies outside the data area defined by the data length field of the CIDF.

System Action: Surveillance by the alternate system ceases.

User Response: Check that the active and alternate systems are using the same pair of data sets for XRF surveillance. If they are, this is almost certainly a CICS error affecting either the alternate system, the active system, or both.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMRD

DFHXA6541I XRF HAS FAILED. THE XRF MESSAGE READER IN THE ALTERNATE SYSTEM HAS FALLEN TOO FAR BEHIND.

Explanation: The alternate system has been unable to keep up with the messages generated by the active CICS system. Its read position in the wrap-round message data set has been 'lapped' by the active system.

System Action: Surveillance by the alternate system ceases.

User Response: Try to determine and correct the reason for the delay to the alternate system. It may be that the message data set is too small to allow adequate buffering, or the message data set has been reserved by the active CEC – not necessarily by the active CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMRD

DFHXA6560I *applid* TERMINATION COMMAND FAILED: *command*.

Explanation: The command issued by the alternate CICS during takeover to terminate the active CICS failed. MVS rejected the system operator command *command* issued under program control as being invalid.

System Action: Message DFHXA6581 or DFHXA6582 is also displayed. The alternate CICS continues with its processing to detect termination of the active CICS job.

User Response: Ensure that the active CICS job terminates. See messages DFHXA6581 and DFHXA6582. For problem determination, hard copy of the console log may be required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6561D *applid* WHEN *jesno jobname* ENDS REPLY 'JOB' OR WHEN CEC *sid* HAS FAILED REPLY 'CEC'.

Explanation: During a takeover attempt, the issuing CICS system was unable to determine whether job *jobname*, running on a different CEC, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569 or DFHXA6570 has been produced.
- CICS has either successfully issued a cancel command, or job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS. Takeover cannot continue until *jobname* has ended. If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: The system waits for a reply. In the meanwhile, the issuing CICS system continues processing to detect termination of the job.

If termination is detected while the reply is still outstanding, this message is deleted and message DFHXA6564 is displayed. In this case, a reply is no longer required.

If the reply is 'JOB', then processing continues as if CICS had detected the termination itself.

This also happens if the reply is 'CEC', but in addition an internal record is created indicating that the CEC is inoperative at this time. Other alternate CICS which have issued this message for jobs executing on the CEC specified, and which are still waiting for a reply, will detect the internal record of the failed CEC. Having done so they delete their outstanding replies and issue message DFHXA6563.

User Response: The operator should either:-

- Ensure that job *jobname* with JES number *jesno* terminates, and then reply 'JOB', or
- Ensure that the CEC with MVS system identifier *sid* is inoperative at this time, for example by selecting SYSTEM RESET on that CEC, and then reply 'CEC'.

No action is necessary if at any time CICS deletes this message, as described above.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6563I *applid jesno jobname* ENDED DUE TO FAILURE OF CEC *sid*.

Explanation: During takeover, the alternate CICS has detected that the CEC with MVS system identifier *sid* has failed and therefore that the active CICS job with job name *jobname* and JES job number *jesno* is regarded to have ended.

System Action: The alternate CICS continues with its takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6564I *applid* TERMINATION OF *jesno jobname* DETECTED.

Explanation: During takeover, the alternate CICS has detected that the active CICS job with specified job name and JES job number has ended.

System Action: The alternate CICS continues with its takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6566I *applid modname* NOT LINK-EDITED REENTERABLE.

Explanation: Module *modname*, the CLT or RST currently in use, was found not to have been link-edited with the reenterable module attribute.

The initialization option CLT=*xx* or RST=*xx* specifies the suffix of the CLT or RST currently in use by this alternate CICS.

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6567I *applid APPLID applid2* NOT FOUND IN *modname*.

Explanation: Module *modname*, the CLT or RST currently in use by this alternate CICS, was found not to contain the APPLID *applid2*.

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6568I *applid JOBNAME jobname* NOT FOUND IN *modname*.

Explanation: Module *modname* is either a CLT or an RST.

If the module is a CLT, it was found not to contain the job name *jobname* associated with the APPLID of this alternate CICS.

If the module is an RST, it was found not to contain the job name *jobname* associated with the DBCTL subsystem identified in the message.

jobname is the job name which the alternate CICS would have used to cancel the active CICS job or DBCTL job during a takeover.

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6569I *applid* MVS SYSTEM IDENTIFIER *sid* NOT FOUND IN DFHCLT*xx*.

Explanation: The CLT currently in use was found not to contain the specified MVS system identifier *sid*, which identifies the CEC on which the active CICS was executing.

The initialization option CLT=*xx* specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6570I *applid* **JES SUBSYSTEM NAME** *jesname* **NOT FOUND IN DFHCLT_{xx} FOR MVS SYSTEM** *sid*.

Explanation: The CLT currently in use does not contain the JES subsystem name *jesname* associated with the MVS system *sid* of the CEC on which the active CICS was executing.

The initialization option CLT=*xx* specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6571I *applid* **CICS IS NOT DEFINED AS AN MVS SUBSYSTEM.**

Explanation: The alternate CICS attempted to access an internal record of CEC failures to determine whether the CEC on which the active CICS job was executing had failed. To access this information CICS has to be defined as an MVS subsystem. Because it is not, the attempt failed.

System Action: Processing continues.

User Response: None. For further information about defining CICS as an MVS subsystem, see the *CICS/ESA Installation Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6572I *applid* **UNABLE TO LOAD** *modname*.

Explanation: The module *modname*, defined by the CLT or RST for use by the alternate CICS that issued this message, cannot be loaded.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6573I *applid* **LOAD MODULE** *modname* **IS NOT VALID.**

Explanation: Module *modname*, the CLT or RST defined for use by this CICS system, is not valid.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6574I *applid* **ERROR FOUND WITH DFHCLT_{xx}.**

Explanation: The alternate CICS that issued this message is unable to load a CLT, or has performed a check on the CLT contents and has found an error. If the specified CLT is used during a future takeover, the takeover might not be successful. A new or corrected CLT can be made available and loaded at takeover.

System Action: Processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if not.

Locate the previous message issued by this alternate CICS, which provides details of the CLT error.

Perform the appropriate source edit, assembly and link-edit tasks necessary to make a correct CLT available for this alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6575I *applid* **SUBSYSTEM NAME** *subsysid* **NOT FOUND IN** *rstname* **FOR THIS APPLID.**

Explanation: This is an informational message indicating that RST *rstname*, which was selected via the SIT, does not include an entry for DBCTL subsystem *subsysid* in any RSE containing the specific APPLID *applid* of this CICS.

System Action: No action results directly when this message is issued. Other messages may be issued following this verification failure.

User Response: Check the RST suffix specified in the SIT, the RST, and the DBCTL subsystem to which CICS is connected.

Check any other messages that may also have been issued.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6576I *applid* CLT PROCESSING NOT POSSIBLE OWING TO ERROR IN DFHCLTxx.

Explanation: During takeover, the alternate CICS that issued this message performed a check on the CLT contents and found an error.

A previous message specifies the error.

System Action: Commands in the CLT are not issued by this alternate CICS. Other takeover processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS and take appropriate action if it is not.

If the takeover is to be successful, the system operator should monitor and coordinate execution of the active CICS and alternate CICS jobs in the XRF complex.

Perform the source edit, assembly and link-edit tasks necessary to correct the CLT.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6577I *applid* NOT AUTHORIZED TO CANCEL *jesno* *jobname* ON CEC *sid*.

Explanation: The issuing alternate CICS is attempting a takeover of the specified active CICS job but the CLT or RST in use does not have the necessary contents to fully authorize takeover. This is because job *jobname* cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem, or
- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a CANCEL, but continues processing to detect termination of the job.

When termination is detected, message DFHXA6563 or DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require some maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6578I *applid* NOT AUTHORIZED TO CANCEL *jesno* *jobname*.

Explanation: The issuing alternate CICS is attempting a cancel of the specified active CICS job. However, the CLT or RST in use does not have the necessary contents to fully authorize the cancellation. This is because job *jobname* cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem. or
- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a cancel, but continues processing to detect termination of the job.

When termination is detected, message DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6580I PROGRAM LOGIC ERROR DETECTED.

Explanation: An internal error has been detected that prevents the CICS XRF CAVM supervisor state processing from continuing.

Depending on the CAVM supervisor state service being processed at the time, CICS may or may not abnormally terminate.

The CAVM TCB for processing the service has abnormally terminated.

Job output should include a dump of MVS LSQA associated with the SYSABEND DD statement.

Diagnostics: Register 2 is the base register for DFHWTI global storage. This storage begins with the eye catcher WTISTOR. The format of this storage is defined in DSECT WSTORAGE in source member DFHWTI.

DFHWTI request arguments copied to global storage begin at field WGLODATA.

Source member DFHWTADS defines the format of global storage arguments.

Field WGLOLOCA contains the address of the first register save area for a routine in DFHWTI.

In the SVRB for the CICS SVC call that invoked DFHWTI, the first *fullword* in the FEPARM field contains the address of DFHWTI global storage.

Register 4 is the base register for local storage for each routine in DFHWTI. Its format is defined in a DSECT whose name is of the form WLOCxxx where xxx is the short name of the routine (see below for a list of routine names).

These DSECTs are in source member DFHWTI. The first *halfword* is the internal return code for the routine. The values used for internal return codes are the same as the DFHWTI request reason codes as defined in source member DFHWTADS field name WTARRC.

In addition, internal return codes of the format X'40nn' are used. X'40F0' is 'Internal Logic Error' variable name, RCLOGERR.

Other internal return codes of this format are defined in the local storage DSECTs.

The DFHWTI request type for the CAVM supervisor state service is copied into local storage associated with the DFHWTI initialization and termination routine, field name WWTIREQ, DSECT WLOCWTI in source member DFHWTI.

Register 6 is the base register for each routine in DFHWTI. When set, it points at a location immediately following an eye catcher of the routine's long name (see list of routine names).

Register 13 is the base register for a register save area local to a routine in DFHWTI. These save areas are standard MVS format except the first *fullword* contains the routine's short name (see list

of names). They are chained in the standard way with backward and forward pointers set on entry to a routine and zeroed on return.

Register save areas physically precede the storage local to a routine.

If a routine has to access the CLT, its address is in local storage for the routine. The field name for the CLT address is of the form WxxxCLTA, where xxx is the short name of the routine.

System Action: In general, the CAVM request issued by this CICS job will fail. For the effect this has on processing by this CICS job, refer to messages issued after this one.

CAVM XRF supervisor state processing issues an MVS abend with system abend code 0214 and an MVS SYSABEND dump is produced.

User Response: Keep the job output and console log for problem determination.

Using the SYSABEND dump of the MVS LSQA, and if available, the MVS symptom dump output, find the DFHWTI routine that detected the error from the value of register 6 or register save area chain fields.

Find the internal return code currently set in local storage for the routine.

Using the reason code value, remaining content of local storage and global storage, try to determine the cause of the action by the routine.

An assembly listing of the CLT assembled with the PRINT NOGEN option may be required.

Routine names

Long names are used for:

- The routine entry point name, and
- The routine entry eye catcher.

Short names are used for:

- The routine register save area eye catcher,
- Characters 2 to 4 of routine local storage field names,
- Characters 5 to 7 of routine local storage DSECT names, and
- Characters 1 to 3 of routine labels.

Routines are as follows:

Long Name	Short Name
1	WTI
TIPENTRY	TIP
OATERM	OAT
OAWAIT	OAW
VERCLT	VCL
CLPENTRY	CLE
CLPROC	CLP
OPCLT	OCL
CHECKT	CHT
OPCDATA	OPC
INQJES	IJE
TSSENTRY	TSS
MUVENTRY	MUV
VAXENTRY	VAX
SCMENTRY	SCM
DXRENTY	DXR
IJESSUB(2)	*

1. Module entry point with standard DFHVM fields.

2. Subtask with start of module as entry point and using SIJSTOR for local storage.

For further guidance in error diagnosis, see the *CICS/ESA Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6581I *applid* UNABLE TO DETERMINE STATUS OF JOB *jesno jobname*.

Explanation: The issuing CICS system was unable to determine whether job *jobname*, running on the same CEC, has terminated. This is for one of the following reasons:

1. CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560 has been produced.
2. CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.
3. Job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS, takeover cannot continue until *jobname* has ended.

If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6564 is displayed.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6582I *applid* UNABLE TO DETERMINE STATUS OF JOB *jesno jobname* ON MVS SYSTEM *mvsname(sic)*.

Explanation: The issuing CICS system was unable to determine whether job *jobname*, running on MVS image *mvsname*, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569, or DFHXA6570 has been produced.
- CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.
- Job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS, takeover cannot continue until *jobname* has ended.

If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6583 is displayed.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6583I *applid* **TERMINATION OF JOB** *jesno jobname* **ON MVS SYSTEM** *mvsname(sid)* **HAS BEEN DETECTED.**

Explanation: During takeover, the alternate CICS has detected that the active CICS job *jobname* with JES job number *jesno* running on MVS image *mvsname* has ended.

System Action: The CICS alternate continues takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXCxxxx messages

DFHXC6600I *applid* **CAVM DATA SET INITIALIZATION FAILED.**

Explanation: The CICS job which displayed this message attempted to sign on to the CAVM but the signon request failed because the CAVM data sets could not be initialized properly. This is due to one of the following:

- The data set formatting subtask had not completed its processing in 2 minutes. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs cause a CAVM data set's DASD volume or a VSAM catalogue to remain inaccessible for a protracted period.
- SIGNON found that one of the CAVM data sets had already been formatted by a different CICS job but that the other was either empty or could not be opened because of conflict with another user of the data set. SIGNON waited for the other CICS job to finish the data set formatting, but 5 minutes later, this still had not been done. This might occur if a CICS job failed during data set formatting. A specific error reported in a previous message prevented successful completion of data set initialization.

System Action: See following message issued by this CICS job.

User Response: Correct the JCL or redefine the CAVM data sets if necessary and resubmit the CICS job. See the *CICS/ESA System Definition Guide* for information on CAVM data sets.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6601I *applid* **DD STATEMENT MISSING FOR CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6602I *applid* **CAVM DATA SET** *dsname* **MUST RESIDE ON DASD.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6603I *applid* **CAVM DATA SET** *dsname* **IS INVALID.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6604I *applid* **CAVM DATA SET** *dsname* **MUST BE A VSAM ESDS.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6605I applid CI SIZE OF PAIRED CAVM DATA SETS MUST BE EQUAL.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6606I applid CI SIZE OF CAVM DATA SET dsname MUST BE AT LEAST 4K.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6607I applid SIGNON IS WAITING TO RESERVE OR ACCESS CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve or access the CAVM data set indicated in the message text, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reason for issuing this particular message cannot be failure of a conditional reserve request unless new empty CAVM data sets are being used for the first time. The reserve attempt should not fail anyway unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set's DASD volume temporarily inaccessible.

System Action: After a short delay, the CICS job that displayed this message either reissues the conditional reserve macro or checks for completion of the outstanding I/O. If the required resource is now available or the I/O request has completed, normal processing continues. Otherwise, this message is reissued.

User Response: None, unless the condition persists. If so, another CEC might have failed after reserving the DASD volume containing a CAVM data set. In this case, follow your installation's operations procedure for removing an outstanding reserve for a shared DASD. (For example, issue system reset on the failed CEC.)

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6608I applid I/O ERROR ACCESSING CAVM DATA SET dsname DURING SIGNON.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to access the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6609I applid CAVM DATA SET dsname IS OF THE WRONG TYPE OR ITS FORMAT IS INCOMPATIBLE WITH THIS CODE LEVEL.

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the information in the data set's control record either did not agree with its intended use or had been placed there by an incompatible level of CAVM code. This will occur if:

- The data set with ddname DFHXRCTL is not empty and has already been used for something other than a CAVM control data set or by an incompatible level of CAVM code.
- The data set with ddname DFHXRMSG is not empty and has already been used for something other than a CAVM message data set or by an incompatible level of CAVM code.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6610I applid CAVM DATA SET dsname DOES NOT BELONG TO THE GENERIC APPLID SPECIFIED AT SIGNON.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the generic APPLID specified in the sign on request did not match that saved in the CAVM data set's control record when the data set was first formatted.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6611I *applid* CAVM DATA SETS DO NOT FORM A VALID PAIR.

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the time stamps that were placed in the control records of the two data sets when they were first formatted do not match. This will occur unless the two CAVM data sets were used for the first time as a pair by a single CICS job.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6612I *applid* MULTIPLE VOLUMES ARE NOT SUPPORTED FOR CAVM DATA SET *dsname*

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6613I *applid* MULTIPLE UNITS ARE NOT SUPPORTED FOR CAVM DATA SET *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6614I *applid* CONCATENATION IS NOT SUPPORTED FOR CAVM DATA SET *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6615I *applid* ALLOCATION CHANGE DURING SIGNON IS NOT SUPPORTED FOR CAVM DATA SET *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6616I *applid* CAVM CONTROL AND MESSAGE DATA SETS MUST BE DISTINCT.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the ddnames DFHXRMMSG and DFHXRCTL refer to the same data set.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6617I *applid* OBTAIN ERROR WHILE FORMATTING CAVM DATA SET *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to gain exclusive access to a CAVM data set to format it. The CAVM issued a reserve macro specifying the DASD device allocated for the data set and then issued an OBTAIN macro for the volume's Format-4 DSCB to cause a hardware reserve command to be executed if necessary. Possible causes of the OBTAIN failure are:

- Specified volume not mounted
- I/O error
- VTOC is invalid.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6618I *applid* SPACE ALLOCATED TO CAVM DATA SET *dsname* IS INADEQUATE.

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6620I *applid* **SIGNON IS WAITING TO RESERVE OR ACCESS A CAVM DATA SET.**

Explanation: The CICS job that displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve the CAVM control data set or access either the control or the message data set, but for some considerable time either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set's DASD volume temporarily inaccessible.

System Action: See message DFHXC6607.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6621I *applid* **CAVM SIGNON CANNOT PROCEED BECAUSE JES IS EITHER NOT RUNNING OR NOT RESPONDING TO JOB STATUS ENQUIRIES.**

Explanation: The CICS job that displayed this message issued a sign on to the CAVM. To process the request, CAVM needs to know the status of a job identified by an entry in the control data set, but cannot obtain this information for the reason given in the message text.

System Action: After a one minute delay, the CICS job that displayed this message reissues the failing job status enquiry. If the request is completed successfully this time, normal processing continues. Otherwise, this message is reissued.

User Response: If JES is not running, restart it if possible. Otherwise, if the condition persists, try to correct the problem that is preventing job status enquiries from being answered. In some cases, just stopping JES and restarting it again may achieve the desired effect. In a JES2 environment, a possible cause of this trouble is that another CEC has failed after reserving the DASD volume containing the check-point data set. See message DFHXC6607. In a JES3 environment, job status enquiries cannot be answered if the global processor has failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6622I *applid* **ERROR IN INQUIRE HEALTH EXIT DURING SIGNON.**

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM, but the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) when it was called during sign on processing was nonzero. This message always indicates an internal error in CAVM or CICS.

System Action: CAVM SIGNON continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6623I *applid* **CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE ANOTHER JOB HAS SIGNED ON WITH THE SAME SPECIFIC APPLID.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: None unless the wrong specific applid has been requested for the new job or the conflicting job was started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6624I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE SMF IS NOT ACTIVE FOR THE REQUESTING JOB.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: Re-IPL the MVS/ESA system, ensuring that the system parameters chosen include SMF.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6625I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE CAVM DATA SETS ARE UNUSABLE.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6626D *applid* **POSSIBLE CAVM SIGNON CONFLICT. IS JOB *jobname,jesno* RUNNING ON SYSTEM *sid*? REPLY 'YES' OR 'NO'.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM but the CAVM needs the operator's help in order to decide whether it is safe to accept the request. The CAVM has found that the control data set refers to a job satisfying all the following conditions:

- JES believes that this job is still executing.
- If JES is right, the current sign on request must be rejected because the presence of this job would conflict with it.
- This job is not running in the same CEC as the CICS job which is attempting to sign on.
- This job's surveillance signals appear to be absent.

Such a situation might have arisen as a result of a failure of the CEC in which the conflicting job was running and if so, the CAVM should not reject the sign on request unless it finds another reason for doing so. If the job which displayed this message is a CICS active, the conflicting job is another active or an alternate which has started a takeover. If the job which displayed this message is a CICS alternate, the conflicting job is another alternate. The jobname, JES job identifier and CEC SMF identifier of the conflicting job are specified in the message text.

System Action: The CICS job waits for a reply.

User Response: If the job which displayed this message is a CICS active job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.
AND
2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS active job.

Otherwise reply YES.

If the job which displayed this message is a CICS alternate job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.
AND
2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS alternate job.

Otherwise reply YES.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6627I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE THIS JOB IS CURRENTLY SIGNED ON OR WAS ONCE AN ACTIVE SYSTEM.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: This message indicates an internal error has occurred.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6628I *applid* **CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE CONFLICTING JOB(S) HAVE NOT YET SIGNED OFF OR TERMINATED.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: None unless the wrong START option has been requested for the new job or the conflicting job(s) were started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job(s).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6629I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE REQUESTING JOB AND SIGNED-ON JOB(S) DO NOT SHARE A COMMON JES JOB QUEUE.**

Explanation: The CICS job which issued this message issued a sign on to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: If any of the signed on jobs are running under the control of the wrong JES, cancel them. Resubmit the failing job and any that had to be canceled, ensuring that all are running under the control of either a single JES or multiple JESs that share a common job queue.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6630I *applid* **TAKEOVER REJECTED BECAUSE LAST ACTIVE SIGNED OFF NORMALLY.**

Explanation: The CICS job that issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66311 applid TAKEOVER REJECTED BECAUSE LAST ACTIVE INSTANCE NUMBER DOES NOT MATCH THAT SPECIFIED.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error would occur if a new CICS active job signed on to the CAVM after this CICS alternate job had already made the decision to attempt to take over from the previous CICS active job.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66321 applid NON PRE-EMPTIVE TAKEOVER REJECTED BECAUSE LATEST ACTIVE VERSION NUMBER DOES NOT MATCH THAT SPECIFIED.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66331 applid NON PRE-EMPTIVE TAKEOVER REJECTED BECAUSE A TAKEOVER IS ALREADY IN PROGRESS.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66341 applid TAKEOVER REJECTED BECAUSE NECESSARY TOD CLOCK DIFFERENCE INFORMATION IS NOT AVAILABLE.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error cannot occur unless both the following conditions are satisfied:

- The CICS active and alternate jobs are running in different CECs.
- A TAKEOVER has been attempted before the alternate job has had the chance to observe the active job's surveillance signals for the short time (less than 1 minute) needed to deduce the maximum possible difference between the respective TOD clocks.

The takeover cannot be performed unless the difference between the CECs' TOD clocks is known because normal CICS processing must not be resumed until the current TOD clock reading is later than the TOD clock reading when the old CICS active job terminated as observed in the CEC where it had been running.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66351 applid TAKEOVER PROCESSING TERMINATED BECAUSE ANOTHER BACKUP HAS STARTED A PRE-EMPTIVE TAKEOVER.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but the error condition described in the message text was encountered before the completion of TAKEOVER.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66361 applid TAKEOVER PROCESSING TERMINATED BECAUSE STATUS OF ACTIVE JOB CANNOT BE DETERMINED.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but takeover processing could not be completed because of an error encountered in using the CAVM services provided by the CICS SVC.

System Action: See following message issued by this CICS job.

User Response: For problem determination, consult the *CICS/ESA Problem Determination Guide*. The console log and job output may be required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC66371 applid TAKEOVER IS WAITING TO RESERVE OR ACCESS THE CAVM CONTROL DATA SET.

Explanation: The CICS job that issued this message issued a TAKEOVER request to the CAVM. CAVM is attempting to reserve or access the CAVM control data set in order to process the request, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.

System Action: See message DFHXC6607.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

DFHXC6638I

Destination: Console

Module: DFHWSTKV

DFHXC6638I *applid* NOTIFY RC= *retcode* - *text*

Explanation: The CICS job that displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRFB) was non-zero. The message includes the actual return code value *retcode* (or greater than 99) and some text identifying the type of event which was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6640I *applid* ALL STATUS WRITERS ARE IN I/O WAIT.

Explanation: The CICS job which displayed this message has found that the writes of its latest status issued to the control data set and the message data set are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job re-issues this warning message at intervals until one of its status writes completes. Meanwhile, it continues to perform any processing which is not dependent on status write completion. If the job which displayed this message is a CICS active and the condition persists for long enough, it is possible that an unwanted takeover will be initiated when the alternate (assuming that it is able to read the CAVM data sets because it is running in a different CEC) notices that the active system's surveillance signals have ceased.

User Response: If this message is issued by an CICS active job which does not seem to be experiencing other problems, it might be advisable to issue a suitable command to the corresponding alternate job to prevent it from initiating an unnecessary takeover. See also message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSW

DFHXC6641I *applid* STATUS WRITE I/O ERROR ON *dsname*

Explanation: The CICS job which displayed this message has encountered an I/O error in writing its latest status to either the control data set or the message data set.

System Action: If the CICS job is able to write its status successfully to either the control data set or the message data set, processing continues. Further writes to the failing data set might be attempted later on because it is possible that the error condition was transient. If both data sets become unusable simultaneously, the CAVM TCB ABENDs.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSW

DFHXC6642I *applid* ALL STATUS READERS ARE IN I/O WAIT.

Explanation: The CICS job which displayed this message has found that the reads it has issued to the control data set and the message data set to obtain the latest available status of its partner system are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job reissues this warning message at intervals until one of the status reads completes. Meanwhile, it continues to perform any processing which is not dependent on status read completion. If the job which displayed this message is a CICS alternate, it is possible that a takeover will not be initiated if the active fails, since the alternate cannot detect that the active's surveillance signals have ceased.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6643I *applid* STATUS READ I/O ERROR ON *dsname*

Explanation: The CICS job which displayed this message has encountered an I/O error in reading the latest available status of its partner system from either the control data set or the message data set. *dsname* is the name of the data set.

System Action: Processing continues but XRF function will be degraded because the affected system might not be able to detect changes in its partner's status. Further reads from the failing data set might be attempted later on because it is possible that the error condition was transient. If this error is encountered in an alternate system while it is processing a takeover request, the takeover will fail.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6644I *applid* NOTIFY RC= *retcode* - *text*

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRFB) was non-zero. The message includes the actual return code value *retcode* (or a value greater than 99) and some text identifying the type of event that was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6645I *applid* ERROR IN INQUIRE HEALTH EXIT.

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) was nonzero. This message indicates either an internal error in CAVM or in CICS, or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTI

DFHXC6646I *applid* ERROR CALLING CICS SVC - xxxxxxxxxxxx

Explanation: The CICS job which displayed this message has encountered an error calling the CICS supervisor code (SVC) to determine the status of another MVS image in the same XCF sysplex as the calling CICS MVS image.

System Action: Processing continues but XRF function is probably degraded.

User Response: Ensure that the correct level of CICS SVC has been specified. Also ensure that MVS has issued an acceptable return code as this error can be caused by a change in MVS response codes. If the error is caused by neither of these, it could be the result of an internal error in CAVM. If this is the case, you need further guidance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6649I *applid* SIGNOFF IS UNABLE TO RESERVE THE CAVM CONTROL DATA SET.

Explanation: The CICS job which issued this message issued a SIGNOFF request to the CAVM or SIGNOFF processing was invoked implicitly by abnormal termination of the CAVM TCB. CAVM attempted to reserve the CAVM control data set in order to process the request, but for some considerable time, the required resource remained unavailable. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.

System Action: The CAVM TCB terminates without updating the CAVM data sets to indicate that this CICS job has signed off. See also any following message issued by this CICS job.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSOF

DFHXC6650I *applid* CAVM HAS FAILED, CODE = code

Explanation: The CICS XRF job that issued this message has encountered an unexpected severe error during CAVM processing. The code *code* in the message identifies both the error, and the CAVM module that detected it, as follows:

Errors detected by DFHWSRTR (00xx)

0002 CAVM dispatcher has no ready processes to dispatch and no external event to wait for.

Errors detected by DFHWSSN1 (10xx)

1001 Nonzero return code from ATTACH for CAVM TCB.

Errors detected by DFHWSSN2 (20xx)

2001 Function code in SIGNON parameter block is invalid.

2002 Function modifier in SIGNON parameter block is invalid.

2003 Length of SIGNON parameter block extension is incorrect.

2004 Requested surveillance interval is not positive.

2005 Nonzero return code from ESTAE to establish recovery for CAVM TCB.

2006 Nonzero return code from asynchronous VSAM GET or CHECK while reading the state management record. (This could be caused by an I/O error.)

2007 Nonzero return code from asynchronous VSAM PUT or CHECK while updating the state management record. (This could be caused by an I/O error.)

2008 Nonzero return code from a request to start a check for the presence of surveillance signals.

2009 Unexpected return code from a request to complete a check for the presence of surveillance signals.

200A Nonzero return code from asynchronous VSAM GET or CHECK while reading a status CI to check for the presence of surveillance signals. (This could be caused by an I/O error.)

200B Routine to check for the presence of surveillance signals found that the sequence number in a status CI has decreased.

200C Nonzero return code from asynchronous VSAM GET or CHECK while reading a status CI in order to update it. (This could be caused by an I/O error.)

200D Content of the state management record has changed but its security count is unaltered.

200E Nonzero return code from asynchronous VSAM PUT or CHECK while updating a status CI in the control data set. (This could be caused by an I/O error.)

200F Unexpected return code from the conditional RESERVE macro.

2010 Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to UPD.

2011 Nonzero return code from VSAM MODCB macro to change ACB address in RPL.

2012 Nonzero return code from ATTACH for TCB to issue a job STATUS enquiry request to the CICS SVC.

2013 Unexpected return code from CICS SVC (A version of DFHC SVC which includes XRF support might not have been installed on the MVS/ESA system, or the wrong SVC number might have been specified on the SIT or as an override.)

2014	Unexpected return code from a requested JES job STATUS enquiry function. (This error could also be caused by using a wrong SVC number which does not correspond to any version of the CICS SVC.)	4003	Nonzero return code from VSAM MODCB macro or synchronous GET, or I/O request was purged by the timer exit, when trying to read the state management record. (This could be caused by an I/O error.)
2015	Unexpected return code from a XCF IXCQUERY function.	4004	The MVS/ESA system no longer has an SMF SMCA although it existed when this CICS XRF job signed on to the CAVM.
2016	Unexpected response code from CICS SVC when attempting to determine details of a job that is running under a release of MVS which supports XCF.	4005	This CICS XRF job no longer has an SMF TCT although it existed at SIGNON.
2017	Unexpected reason code from CICS SVC when attempting to determine details of a job that is running under a release of MVS which supports XCF.	4006	This CICS XRF job no longer has an SMF JMR although it existed at SIGNON.
Errors detected by DFHWSSN3 (30xx)		4007	State management record contains invalid duplicate entries for this CICS XRF job.
3001	Nonzero return code from VSAM GENCB macro to build an RPL.	4008	The location of this CICS XRF job's description in the state management record is inconsistent with the current value of SMDR1NDX.
3002	Nonzero return code from VSAM SHOWCB macro to obtain the length of an ACB.	4009	The sequence numbers in this CICS XRF job's pair of status CIs in the control and message data sets are equal but nonzero.
3003	Nonzero return code from VSAM SHOWCB macro to obtain the length of an RPL.	400A	Unexpected return code from the conditional RESERVE macro.
3004	Nonzero return code from VSAM SHOWCB macro to obtain ACB OPEN error code.	400B	Unable to RESERVE control data set after repeated attempts.
3005	Nonzero return code from VSAM SHOWCB macro to obtain ACB CI size and RBA data.	400C	Nonzero return code from VSAM MODCB macro or return code 4 from synchronous PUT when trying to update status CI.
3006	The high-used RBA of a CAVM data set is zero when it should not be empty.	400D	Nonzero return code from VSAM MODCB macro or synchronous GET, or I/O request was purged by the timer exit, when trying to update the state management record. (This could be caused by an I/O error.)
3007	Nonzero return code from asynchronous VSAM GET while reading the Control CI from a CAVM data set.	Errors detected by DFHWSSR (50xx)	
3008	Nonzero return code from VSAM MODCB macro to change STRNO in an ACB.	5001	Nonzero return code from VSAM GENCB macro to build an RPL.
3009	Unexpected return code from the conditional RESERVE macro.	5002	The alternate has detected that the active's status CI was still being updated after the active job had signed off or terminated. (This error could be caused by an invalid XRF configuration in which the active and alternate do not share a common JES job queue. The problem was not discovered when the second job signed on to the CAVM because at that time it was unable to detect the first job's surveillance signals.)
300A	Nonzero return code from ATTACH for TCB to format a new pair of CAVM data sets.	5003	The sequence number in a status CI of an XRF partner job has decreased.
300B	Internal logic error while processing a new pair of CAVM data sets.	5004	The alternate has detected that the sequence numbers in the active's pair of status CIs in the control and message data sets are equal but nonzero.
300C	Nonzero return code from VSAM TESTCB macro to test whether the data set associated with an open ACB is an ESDS.	5005	The estimate of the lower bound of the difference between the active's and alternate's TOD clocks derived from the time-stamp in the status CI which has just been read is greater than the existing estimate of the upper bound of this difference.
300D	Nonzero return code from VSAM SHOWCB macro to obtain ACB CI size and RBA data during the data set formatting.	5006	The estimate of the upper bound of the difference between the active's and alternate's TOD clocks derived from the time-stamp in the status CI which has just been read is less than the existing estimate of the lower bound of this difference.
300E	Nonzero return code from synchronous VSAM PUT while formatting a new pair of CAVM data sets. (This could be caused by an I/O error.)	5007	The sequence numbers in an XRF partner job's pair of status CIs in the control and message data sets are equal but nonzero.
300F	Nonzero return code from VSAM GENCB macro to build an ACB.		
3010	Nonzero return code from VSAM SHOWCB macro to obtain ACB CI size and RBA data.		
3011	Nonzero return code from VSAM MODCB macro to change the ACB address in RPL.		
Errors detected by DFHWSSOF (40xx)			
4001	Nonzero return code from VSAM GENCB macro to build RPLs.		
4002	Error return code from PURGE macro (SVC 16).		

<p>5008 The sequence number in a status CI of an XRF partner job is now inconsistent with previously observed values.</p> <p>5009 The instance and version numbers in a status CI of an XRF partner job are now less than the corresponding values in the public status area.</p> <p>500A The instance and version numbers in a status CI of an XRF partner job are unaltered but the job state indicator has changed from 'signed off' to 'signed on'.</p> <p>500B Public status area seems to contain valid data about an XRF partner job before it should.</p> <p>500C Attempt to indicate that public status is available for another XRF partner job when it is already available for all partners.</p> <p>500D The alternate has encountered I/O errors in consecutive attempts to read the active's status CIs from both control and message data sets.</p> <p>500E The alternate has encountered an I/O error in trying to read one of the active's status CIs during a takeover.</p> <p>500F Logical error return code from VSAM CHECK of an asynchronous GET.</p> <p>5010 Nonzero return code from asynchronous VSAM GET.</p> <p>5011 This alternate has been invalidated by the active, probably because of message transmission difficulties. This can also be caused by a message data set that is too small. In this case, increase the size of the message data set to allow the alternate CICS to apply its updates before they are overwritten by those of the active CICS.</p> <p>Errors detected by DFHWSSW (60xx)</p> <p>6001 Logical error return code from VSAM CHECK of an asynchronous PUT.</p> <p>6002 I/O errors have been encountered in consecutive attempts to write to this job's status CIs in both control and message data sets.</p> <p>6003 Nonzero return code from asynchronous VSAM PUT.</p> <p>6004 The 'status write completed' event masks have been corrupted.</p> <p>6005 WSAGINDX has been corrupted.</p> <p>6006 Nonzero return code from VSAM GENCB macro to build an RPL.</p> <p>6007 The sequence number in one of this job's status CIs has been corrupted in the control or message data set. (This error could be caused by an invalid XRF configuration in which two actives or two alternates do not share a common JES job queue. The problem was not discovered when the second job signed on to the CAVM because at that time, it was unable to detect the first job's surveillance signals.)</p> <p>Errors detected by DFHWSTKV (80xx)</p> <p>8001 Nonzero return code from VSAM GENCB macro to build an RPL.</p> <p>8002 State management record indicates that the alternate attempting to take over already holds the takeover lock.</p> <p>8003 State management record indicates that the alternate attempting to take over already holds the resources which are freed by SIGNOFF of the active job.</p>	<p>8004 State management record indicates that the alternate attempting to take over already holds the resources which are freed by termination of the active job.</p> <p>8005 DFHWTI encountered an error in trying to confirm termination of the active job after the alternate performing the takeover had already acquired the resources freed by the active SIGNOFF.</p> <p>8006 Another alternate has started a preemptive takeover after this alternate had already acquired the resources freed by the active SIGNOFF.</p> <p>8007 The time-stamp associated with the resources freed by termination of the active job cannot be updated because an unexpected problem has arisen with the TOD clock difference data after this alternate had already acquired the resources freed by the active SIGNOFF.</p> <p>8008 Nonzero return code from asynchronous VSAM GET to read the state management record.</p> <p>8009 Nonzero return code from VSAM CHECK of asynchronous GET for the state management record. (This could be caused by an I/O error.)</p> <p>800A Nonzero return code from asynchronous VSAM PUT to update the state management record.</p> <p>800B Nonzero return code from VSAM CHECK of asynchronous PUT for the state management record. (This could be caused by an I/O error.)</p> <p>800C Nonzero return code from asynchronous VSAM GET to read the state management record in QUIESCE routine.</p> <p>800D Nonzero return code from VSAM CHECK of asynchronous GET for the state management record in QUIESCE routine. (This could be caused by an I/O error.)</p> <p>800E Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to UPD.</p> <p>800F Nonzero return code from VSAM MODCB macro to change OPTCD in RPL to NUP.</p> <p>8010 Unexpected return code from the conditional RESERVE macro.</p> <p>8011 Invalid request code passed to the routine which attaches subtask TCBS to issue XRF requests to the CICS SVC.</p> <p>8012 Nonzero return code from ATTACH for TCB to issue XRF request to the CICS SVC.</p> <p>8013 Nonzero return code from DETACH for subtask TCB.</p> <p>System Action: An ABEND U0218 is issued with a reason code equal to the code in message DFHXC6650. This results in abnormal termination of the CICS XRF job. See also any following messages issued by this CICS XRF job.</p> <p>User Response: Inform your installation's system programmer.</p> <p>Note: This message cannot be changed with the message editing utility.</p> <p>Destination: Console</p> <p>Modules: DFHWSRTR, DFHWSSN1, DFHWSSN2, DFHWSSN3, DFHWSSOF, DFHWSSR, DFHWSSW, DFHWSTKV</p>
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DFHXC6651I *applid* CAVM HAS DETECTED AN INVALID REQUEST.

Explanation: CAVM has found that the parameter block passed to it is invalid, or that the request is being made at an inappropriate time.

System Action: An ABEND U0218 is issued with reason code 1. This results in the abnormal termination of the CICS job. See also any following messages issued by this CICS job.

User Response: Restart the failing CICS job and inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSRTR

DFHXG6400I *applid* Signing on to the CAVM as active with generic APPLID *genericid*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as active. The message insert provides the generic applid.

System Action: CICS initialization is delayed until the signon request has been processed.

In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameters: *applid, genericid*

DFHXGxxxx (XRF general) messages**DFHXG6215** *applid progname operation failure, response code cccc cccc* **keyrange:** *rrrr{. | key: }key*

Explanation: Table builder services (DFHTBS) failed in an operation on either the CICS log (DFHRC) or global catalog (DFHCC).

The failing operation is shown in the message, and is a CONNECT, DISCONNECT, WRITE, LOG, DELETE, STARTWR, or ENDWRITE request.

cccc cccc is the internal response code from DFHRCP or DFHCCP. *rrrr* is the internal RQ token passed to DFHRCP or DFHCCP. *key* appears in the message only for a WRITE or DELETE operation, and usually includes the name of the resource for which CICS failed to record information in the log or global catalog. This is normally an internal CICS error, however, it can occur during shut down if one task initiates a normal shut down, and another initiates an immediate shut down shortly afterwards. This is because the immediate shut down closes resources that are being used by the normal shut down task.

System Action: CICS continues, but the affected resource is no longer fully recoverable.

User Response: It may be caused by a user definition error, for example if an insufficient or zero USERAREALEN has been specified in the TYPETERM definition. If the operation is a DFHRC "LOG" and the return code is "6", the most likely cause is that the buffer size defined for the system log is too small. Check your user definitions for errors.

Alternatively this message could be caused by an immediate shutdown of CICS because tasks not yet quiesced may abend trying to access a service removed by the shutdown process.

Destination: Console

Module: DFHTBSSP

XMEOUT Parameters: *applid, progname, operation, cccc, cccc, rrrr, {1=, 2= key: }, key*

DFHXG6401I *applid* Sign on to the CAVM as active accepted

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request (refer to message DFHXG6400) has been accepted by the CAVM.

System Action: CICS initialization is resumed.

User Response: None

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6402I *applid* Sign on to the CAVM as active rejected

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request has been rejected by the CAVM. (Refer to message DFHXG6400.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS is terminated abnormally.

User Response: Refer to message DFHXG6439 for further information and guidance. Correct the errors.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6403I *applid* Sign on of *specificid* to the CAVM as alternate detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named alternate CICS has signed on to the CAVM.

System Action: Transaction CXCU is attached to send keypoint data to alternate CICS.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameters: *applid, specificid*

DFHXG6404I *applid* SIGNING OFF NORMALLY FROM THE CAVM.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off normally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6405I *applid* SIGN OFF NORMAL FROM THE CAVM ACCEPTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6404).

System Action: CICS termination is continued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6406I *applid* SIGN OFF NORMAL FROM THE CAVM REJECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off abnormally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6407I *applid* Sign off normal from the CAVM detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has signed off from the CAVM.

System Action: CICS processing continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6408I *applid* SIGNING OFF ABNORMALLY FROM THE CAVM.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6409I *applid* SIGN OFF ABNORMAL FROM THE CAVM ACCEPTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6408).

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6410I *applid* SIGN OFF ABNORMAL FROM THE CAVM REJECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been rejected by the CAVM. (Refer to message DFHXG6408.)

Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS termination continues.

User Response: Refer to the messages produced by the CAVM for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6411I *applid* Sign off abnormal from the CAVM detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS has signed off from the CAVM.

System Action: The system continues with normal processing. However, you should be aware that takeover does not occur if the active CICS fails.

User Response: Determine the reason for the abnormal sign-off.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6415I *applid* CICS is being taken over. Execution will be terminated.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has accepted a takeover request from alternate CICS.

System Action: CICS is terminated abnormally with abend code 206.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6416I *applid* APPARENT FAILURE OF ALTERNATE CICS DETECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS appears to have failed.

System Action: The system continues with normal processing. However, you should be aware that takeover may not occur should the active CICS fail.

User Response: Determine the reason for the apparent failure of the alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6417I *applid* Recovery of alternate CICS detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has recovered from the apparent failure reported by message DFHXG6416I.

System Action: The system continues with normal processing.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6422I *applid* Sign off normal from the CAVM assumed.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the alternate CICS has signed off from the CAVM.

This is likely to occur when the active CICS is running on CEC 1 and:

1. the CICS alternate is started on CEC 2, or
2. the CEC 2 initial program load is repeated, or
3. CICS alternate is restarted on CEC 2.

System Action: CICS processing is continued.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6423I *applid* CAVM failure detected. CICS cannot continue as active.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 212.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6427I *applid* Terminal control restart task has failed. CICS execution will be terminated.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the terminal control restart task has failed. It is no longer possible for CICS to continue either as active or as alternate.

Messages are produced by the terminal control restart task to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 209.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6429I *applid* Transaction CXCU cannot be attached.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS is unable to attach transaction CXCU. Therefore, CICS is unable to initiate the transmission of tracking messages. Takeover is adversely affected if CXCU cannot be attached. This can occur if:

1. CXCU is not defined to CICS, or
2. CICS is short on storage

System Action: CICS attempts to attach CXCU at regular intervals.

User Response: Either install CXCU using RDO, or alleviate the storage shortage.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6430 *applid* START=LOGTERM specified. CICS start-up is terminated because XRF=YES is specified

Explanation: Conflicting system initialization parameters, START=LOGTERM and XRF=YES, have been specified.

System Action: CICS is terminated abnormally with a dump.

User Response: Resolve the conflict.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6431 *applid* Level of DL/I generated is unacceptable. CICS start up will be terminated

Explanation: The CICS DL/I modules, such as DFHDLI, loaded during initialization contain support for local databases.

However these modules have been generated for an unacceptable IMS/VS release.

If XRF=NO is specified then IMS/VS 1.3.0, or any later supported release, is acceptable.

If XRF=YES is specified then IMS/VS 2.1.0, or any later supported release, is acceptable.

System Action: CICS is abnormally terminated. Refer to message DFHXG6439.

User Response: Regenerate the CICS DL/I modules.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6432 *applid* Unable to open restart data set. CICS startup will be terminated because XRF=YES is specified.

Explanation: CICS issued an OPEN for the restart data set, but the OPEN failed.

System Action: CICS is terminated abnormally.

User Response: Refer to DFHXG6439.

Examine the preceding VSAM message for the reason for the OPEN failure.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6433 *applid* System log not defined in JCT. CICS startup will be terminated because XRF=YES is specified.

Explanation: The system log must be defined if XRF=YES is specified.

Following a takeover, the alternate CICS backs out in-flight changes made by the active. This requires the system log to be defined to both the active and the alternate.

System Action: CICS is terminated abnormally.

User Response: Refer to DFHXG6439.

Define the system log.

Note: The system log must be defined as DISK2 if XRF=YES is specified.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6434 *applid* System log not defined as DISK2 in JCT. CICS startup will be terminated because XRF=YES is specified.

Explanation: The system log must be defined as DISK2 if XRF=YES is specified. The XRF=YES option is not compatible with a system log defined as TAPE1, TAPE2, or as DISK1.

System Action: CICS is terminated abnormally.

User Response: Refer to message DFHXG6439.

Redefine the system log as DISK2.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6439I *applid* CICS startup is terminated for reasons given above.

Explanation: This is an informational message indicating that CICS startup is terminated.

System Action: CICS is terminated abnormally with a dump.

User Response: Refer to previous messages that have been sent to the system console for further guidance.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6440I I/O ERROR ON XRF MESSAGE DATA SET. RPL ADDRESS = HEX'xx'.

Explanation: VSAM reported a physical I/O error on the XRF message data set. The address X'xx' is that of the VSAM RPL which reported the error.

System Action: Surveillance by the XRF system ceases.

User Response: It is necessary to restart both the active and alternate CICS systems with a fresh pair of surveillance data sets. For diagnostic purposes, the message gives the address of the RPL being used at the time the error was reported. The RPL has an associated VSAM message area.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6441I LOGICAL ERROR ON XRF MESSAGE DATA SET. VSAM FEEDBACK DATA = HEX' xx'.

Explanation: VSAM reported a logical error on the XRF message data set.

System Action: Surveillance by the XRF system ceases.

User Response: This is an error in the CICS system. For diagnostic purposes the message contains the VSAM feedback data for the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6442I INTERNAL ERROR IN XRF MESSAGE MANAGER.

Explanation: Request chains maintained by the CICS message manager are in an inconsistent state.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMQS

DFHXG6443I INTERNAL ERROR IN XRF SURVEILLANCE COMPONENT.

Explanation: An invalid internal call has been made to a routine in XRF surveillance component.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWCCS

DFHXG6444I VSAM REQUEST REJECTED FOR XRF MESSAGE DATA SET.

Explanation: A VSAM PUT or GET request directed to the XRF message data set has been rejected.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6445I XRF MESSAGE DATA SET FORMATTING STARTED.

Explanation: The XRF message data set is new and must be formatted before it can be used to pass messages from the active to the alternate.

System Action: Normal service continues.

User Response: Depending on the size of the message data set, there will be some delay before the active can send messages to the alternate. It may be advisable to defer starting an alternate system until the corresponding message DFHXG6446 has been received.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6446I XRF MESSAGE DATA SET FORMATTING COMPLETED.

Explanation: The XRF message data set has now been formatted. It can be used to pass messages from the active to the alternate.

System Action: Normal service continues.

User Response: None. See message DFHXG6445.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6447I NON CRUCIAL XRF MESSAGE(S) DISCARDED.

Explanation: The XRF message data set is full. Some messages are being discarded in preference to invalidating the alternate system by overwriting messages that it has not yet read.

System Action: Normal service continues.

User Response: This situation is likely to arise in circumstances similar to those described for message DFHXA6541. The alternate has not yet become invalid but is likely to become so and corrective action is warranted. Refer to message DFHXA6541 for further guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMWR

DFHXG6450I SVC GETMAIN FAILED IN XRF SURVEILLANCE.

Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0190 is issued.

User Response: Since the GETMAIN requests storage above the 16MB line, it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will require further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWCCS

DFHXG6451I SVC GETMAIN FAILED IN XRF SURVEILLANCE.

Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0191 is issued.

User Response: Since the GETMAIN requests storage above the 16MB line it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWLGET

DFHXG6452I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation: A consistency check made by the XRF LIFO storage manager has failed. The failure may have occurred while running under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0192 is issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWLFRE

DFHXG6453I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation: A consistency check made by the XRF process manager has failed. A process has made an invalid internal lock request.

System Action: An MVS abend 0193 is issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWDWAT

DFHXG6454I PROGRAM CHECK IN XRF SURVEILLANCE. PSW = HEX'xx' 'xx'. ADDRESS OF EPIE COPY = HEX'xx'.

Explanation: A program check occurred from which the XRF process was unable to recover.

System Action: An MVS abend 0194 is issued and a dump is produced.

User Response: This is an error in the CICS system. The message gives the PSW at which the check occurred. Further information is preserved in the dump.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWDSRP

DFHXG6475 *applid iiiii* Backup simlogon(s) abandoned

Explanation: An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued a SIMLOGON for a standby session, but VTAM has not yet returned the logon request to CICS's VTAM logon exit.

Message DFHXG6480 has been issued twice, and CICS has now assumed that the logons will not appear.

Normal processing continues, though the state of the sessions currently pending backup SIMLOGON is unpredictable at the end of CICS initialization.

The reconnection process attempts to BIND these sessions normally.

System Action: Normal takeover processing continues.

User Response: The CSTL log and CICS trace should be collected.

Destination: Console

Module: DFHZXST

XMEOUT Parameters: *applid, iiiii*

DFHXG6476I *applid* XRF catch-up abandoned - all XRF alternates signed off

Explanation: A run of the XRF catch-up transaction has been abandoned because there are no XRF alternates. A failing alternate may have issued some messages.

System Action: Normal processing continues.

User Response: None.

Destination: Console

Module: DFHZXCU

XMEOUT Parameter: *applid*

DFHXG6477I *applid* Generic and Specific Ids have same value

Explanation: A CICS system has issued the command to re-assign the VTAM USERVAR representing the XRF complex so that from now on logon requests to the XRF complex are directed to this CICS. However, this system is an XRF primary, and the value of the specific ID is the same as the generic ID for the XRF complex.

System Action: Normal processing continues.

User Response: None. However special care must be taken when using the application ID. You must make it clear whether reference is being made to the CICS system or to the XRF complex.

Destination: Console

Module: DFHZXSTS

XMEOUT Parameter: *applid*

DFHXG6479 *applid* Modify USERVAR issued unsuccessfully. Return code *nn*

Explanation: A CICS system has unsuccessfully issued a command to re-assign the VTAM USERVAR representing the XRF complex.

System Action: Normal processing continues.

User Response: The system operator can issue the command on CICS's behalf. The format is as follows:

F procname,USERVAR,ID=generic-id,VALUE=specific-id

Where:

- 'procname' is the procedure name for VTAM,
- 'generic-ID' is the VTAM application ID for the whole complex, and
- 'specific-ID' is the VTAM application ID for the new CICS

If it is not possible to change the USERVAR, end-user logons which name the generic-ID value continue to be directed to the old specific-applid, with unpredictable results.

(However, logons quoting the specific-ID of the new system are routed to that system.)

Destination: Console

Module: DFHZXSTS

XMEOUT Parameters: *applid, nn*

DFHXG6480I *applid* **Waiting for backup simlogon processing to drain**

Explanation: An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued SIMLOGON for a standby session, but VTAM has not yet returned the logon request to the CICS VTAM logon exit.

This message is issued every 5 seconds for 20 seconds while the takeover is being held up.

This indicates either a VTAM error or a CICS logic error.

System Action: This message is issued twice and then message DFHXG6475 is issued.

User Response: If this message is repeated look for other evidence of failure in CICS or VTAM.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHXG6481I *applid* **Autoconnect delayed for *hh* hours, *mm* minutes, *ss* seconds.**

Explanation: CICS has delayed running the reconnection transaction CXRE for an interval of *hh* hours, *mm* minutes, *ss* seconds, to either:

- acquire AUTOCONNECT terminals after a CICS startup, or
- reacquire terminal sessions after an XRF takeover.

The delay value, *hh* hours, *mm* minutes, *ss* seconds, is taken from the AUTCONN system initialization parameter.

In the case of XRF takeover, a value calculated from the number of standby BINDs held at the time of takeover. This extra interval allows the switching of XRF-capable terminals before non-XRF sessions are reconnected by CXRE.

System Action: Normal processing continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, hh, mm, ss*

DFHXG6482 *applid* **Unable to issue SETLOGON HOLD**
(*reqcode,reg15,reg0*)

Explanation: This message is issued if VTAM SETLOGON START fails during initialization or if in preparation for changing the routing of VTAM logons, this system (which is currently doing an XRF takeover) has attempted to request VTAM to stop passing any more logon requests to it. The attempt failed, and the details of the failure are given in the message, as follows.

The first insert is one of the following.

- 'S'—The SETLOGON START request failed.
- 'H'—The SETLOGON HOLD request failed.

The second and third inserts are the values of registers 15 and 0, respectively, at the time of the failure.

See the *VTAM Programming* manual for your release of VTAM for the interpretation of these values.

Valid logons reaching CICS before message DFHSI1517 is issued may be rejected.

System Action: Normal processing continues.

User Response: Note the message.

Destination: Console

Module: DFHZXSTS

XMEOUT Parameters: *applid, reqcode, reg15, reg0*

DFHXG6483I *applid* **This will be the last pass.**

Explanation: The reconnection transaction CXRE is about to scan the VTAM terminals and sessions that were to be (re)connected for the last time. All those found are listed in message DFHXG6486.

System Action: Processing continues

User Response: If any of the VTAM terminals or sessions listed in message DFHXG6486 are crucial, then check whether they are successfully connected as a result of this pass.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: *applid*

DFHXG6484I *applid* **Autoconnect processing now complete.**

Explanation: The reconnection transaction CXRE has just scanned all the VTAM terminals and sessions, and all those that were to be (re)connected are now connected.

System Action: Processing continues

User Response: None.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: *applid*

DFHXG6485 *applid* **Unable to schedule Autoconnection / Reconnection process.**

Explanation: CICS initialization attempted to schedule the reconnection process, but was unable to do this as CICS rejected the DFHPC TYPE=LINK call.

See following message DFHXG6487 or DFHXG6488 for the reason.

System Action: The reconnection process is not run.

User Response: CEMT must be used to restore individual terminals to the desired state.

Destination: Console

Module: DFHZOPA

XMEOUT Parameter: *applid*

DFHXG6486I *applid termid* **may not be acquired after takeover**

Explanation: The reconnection transaction, CXRE, is making its last run, but has discovered that terminal or session *termid* is still not bound in the same status that it was in during the previous failed run of CICS.

System Action: Normal processing continues.

User Response: Note the terminal identification *termid* in the message, and try to discover why previous reconnection attempts failed. The terminal may not have been physically switched, for example, CEMT may be used to acquire individual terminals after such problems have been cleared.

Destination: Console

Module: DFHZXRE0

XMEOUT Parameters: *applid, termid*

DFHXG6487 *applid* Unexpected IC/PC error code X'code'. Module *modname*

Explanation: The reconnection transaction CXRE could not be scheduled or rescheduled., as the DFHIC TYPE=INITIATE or DFHPC TYPE=LINK was rejected with code X'code'. This is caused by a CICS logic error.

This message follows either:

- DFHXG6485 if CICS was unable to schedule CXRE, or
- DFHXG6489 if CICS was unable to reschedule CXRE.

System Action: The action taken by CICS depends upon whether the error occurred during scheduling or rescheduling of CXRE.

Refer to the system action for either DFHXG6485 or DFHXG6489 for further details about the action taken by CICS.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, X'code', modname*

DFHXG6488 *applid* Required transaction CXRE is not defined to CICS. Module *modname*

Explanation: The reconnection transaction, CXRE, could not be rescheduled. This was because either the transaction code required no longer has an installed transaction definition, or the program required does not have an installed program definition.

This message follows DFHXG6489 or DFHXG6485

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: If non-XRF terminals are to be reconnected, correct the problem.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, modname*

DFHXG6489 *applid* Unable to schedule Autoconnection / Reconnection transaction CXRE. Module *modname*.

Explanation: The reconnection transaction, CXRE, attempted to reschedule itself, but was unable to as CICS interval control rejected the DFHIC TYPE=INITIATE call.

This message is followed either by DFHXG6487 or DFHXG6488, which provides further information about the cause of the error.

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: See the following message. CEMT may be used to acquire individual terminals.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, modname*

DFHXG6490 *applid* Reconnecting VTAM session - pass number *xxxx*

Explanation: Control has recently been given to CICS after an XRF takeover. The reconnection transaction, CXRE, which attempts to start acquire processing for logical units that were in session in the failed active, has just started for the pass number *xxxx*.

System Action: Normal processing continues.

User Response: Note any error messages arising as CICS attempts to reconnect terminals and sessions.

Destination: Console

Module: DFHZXRE0

XMEOUT Parameters: *applid, xxxx*

DFHXG6491 *applid* Logic error during session tracking. REASON *rcode terminal/session event*

Explanation: XRF session tracking encountered an unexpected circumstance probably due to a design error. The reason code (*rcode*) is one of the following.

- 1 POST called but no pending action for terminal or session.

Inserts:

- name of terminal or session.

- 2 DFHZXST called with bad request value.

- 3 XRF-capable session lacks a correlation id.

Inserts:

- name of terminal or session,
- code for event being tracked.

The following are valid for DFHSUSX only.

- X'01'—Send sign on data
- X'02'—Send sign on data (catchup)
- X'03'—Receive sign on data

The following are valid for DFHZXST only.

- X'F1'—BIND
- X'F2'—Free LOGON data
- X'F3'—UNBIND

- 4 Could not get key to build tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

- 5 Could not get send tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

- 6 Could not find session named in tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

- 7 Illegal entry named in tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

DFHXG6492I

8 Bad request code in tracking message.

Inserts:

- name of terminal or session
- bad request code (see 3 above for valid DFHZXST codes)

9 Correlator in tracking message is longer than 8.

Insert:

- name of terminal or session

10 Unable to schedule standby BIND.

Insert:

- name of terminal or session.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the backup take over. If many of these messages are issued, then it is likely that there is a more general problem.

Destination: Console

Modules: DFHSUSX, DFHZXST

XMEOUT Parameters: *applid, rcode, terminal/session, event*

codes, refer to the XRF CICS manager request interface block (WMSPS) listing in the *CICS/ESA Data Areas*.)

2. WMSREASN

DFHWMS reason code. (For values and meanings of the reason codes, please refer to the XRF CICS manager request interface block (WMSPS) listing in the *CICS/ESA Data Areas*.)

3. XTR-KEY-VALUE is the key of the tracking record.

4. XTR-ID is the record ID, where

- zero = tracking, and
- non-zero = catch-up.

5. XTR-TYPE is the record type (see DFHZXTR), where

- X = tracking control,
- C = TCT contents,
- S = ZCP session tracking, and
- U = sign on data

The message is issued from module *modname*.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, then it is likely that there is a more general problem.

Destination: Console and Transient Data Queue CSMT

Modules: DFHZXCU, DFHZXST, DFHTCRP, DFHTBSSP, DFHSUSX

XMEOUT Parameters: *date, time, applid, xxxx, xxxx, xxxx, xxxx, xxxx, modname*

DFHXG6492I *applid* XRF catch-up logic error *reason length*

Explanation: The XRF catch-up program encountered an unexpected circumstance probably due to a CICS design error. The reason, indicated by the first insert, is one of the following:

- 1 Catalog record internal length value not correct.
- 2 Catalog record format error. There is no room for a key.
- 3 Catalog record format error. The key is longer than 16.
- 4 Catalog record too long for buffer (variable CUBUFFER). The second insert gives the required length.
- 5 Unexpected ABEND or response from EXEC CICS command.
- 6 Catalog record format error. There is no resource manager prefix.

System Action: In cases 1, 2, 3, and 6 above, normal processing continues.

In case 4, DFHZXCU abends with abend code AZXB. In case 5, DFHZXCU abends with abend code AZXA.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, it is likely that there is a more general problem.

Destination: Console

Module: DFHZXCU

XMEOUT Parameters: *applid, reason, length*

DFHXG6494I *date time applid* XRF session state catch-up ended

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6495I *date time applid* XRF session state catch-up started

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6493 *date time applid* XRF tracking record could not be sent *xxxx xxxx xxxx xxxx xxxx* (**Module:** *modname*)

Explanation: The XRF catch-up program obtained a bad return code from the XRF message manager and was unable to send a record that the alternate would require to obtain a correct copy of the active. The inserts (internal diagnostic information) are:

1. WMSRETC

DFHWMS return code. (For values and meanings of the return

DFHXG6496I *date time applid XRF TCT contents catch-up ended*

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6497I *date time applid XRF TCT contents catch-up started*

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6498I *date time applid XRF catch-up ended*

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6499I *date time applid XRF catch-up started*

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

User Response: None.

System Action: Normal processing continues.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6500I *applid Signing on to the CAVM as alternate with generic APPLID genericid*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as alternate. The message insert provides the generic applid.

System Action: CICS initialization is delayed until the sign on request has been processed. In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameters: *applid, genericid*

DFHXG6501I *applid Sign on to the CAVM as alternate accepted*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign on request has been accepted by the CAVM. (Refer to message DFHXG6500.)

System Action: CICS initialization is resumed.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6502I *applid Sign on to the CAVM as alternate rejected*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign on request has been rejected by the CAVM. (Refer to message DFHXG6500.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS initialization is terminated.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6503I *applid Sign on of specificid to the CAVM as active detected.*

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named active CICS has signed on to the CAVM.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameters: *applid, specificid*

DFHXG6507I *applid Sign off normal from the CAVM detected.*

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

System Action: CICS processing is terminated.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6511I *applid Sign off abnormal from the CAVM detected.*

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

System Action: The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request is passed to the CAVM if the current value of the takeover option is either AUTOMATIC or MANUAL.

User Response: The user response, if any, is installation dependent.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6512I *applid* Takeover request passed to the CAVM

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to request the CAVM to initiate takeover.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6513I *applid* Takeover request accepted by the CAVM

Explanation: This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been accepted by the CAVM.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6514I *applid* Takeover request rejected by the CAVM

Explanation: This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been rejected by the CAVM. Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6516I *applid* Apparent failure of active CICS detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS appears to have failed.

System Action: The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request will be passed to the CAVM if the current value of the takeover option is AUTOMATIC. Message DFHXG6518 will be sent to the console if the current value is MANUAL.

User Response: Determine the reason for the apparent failure of active CICS.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6517I *applid* Recovery of active CICS detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has recovered from the apparent failure reported by message DFHXG6516.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6518A *applid* APPARENT FAILURE OF ACTIVE CICS DETECTED. REPLY 'TAKEOVER' OR 'IGNORE'

Explanation: This is an action message issued from the CICS TCB. It is issued when the current value of the active CICS appears to have failed.

System Action: If the reply is 'TAKEOVER', CICS requests the CAVM to initiate takeover.

If the reply is 'IGNORE', CICS assumes one of the following:

- The active CICS system recovers from the apparent failure.
- The active CICS system is restarted.
- The CEBT PERFORM TAKEOVER command is used to initiate takeover.

Subsequent events may mean that the user need not reply to message DFHXG6518A. Examples of this are :

- If CICS is notified that the active CICS system has recovered from the apparent failure reported by message DFHXG6516, messages DFHXG6517 and DFHXG6519 are sent to the console.
- If CICS is notified that the active CICS system has signed off abnormally from the CAVM, messages DFHXG6511 and DFHXG6519 are sent to the console.
- If takeover is initiated (from the alternate CICS system) at the same time as the active CICS recovers from the apparent failure reported by message DFHXG6516, messages DFHXG6513 and DFHXG6539 are sent to the console.

User Response: Determine the reason for the apparent failure of the active CICS. If possible, resolve the failure and make the appropriate reply.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6519I *applid* The reply to message DFHXG6518 is assumed to be IGNORE.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6520I *applid* CICS shutdown initiated by CAVM event.

Explanation: This is an informational message issued from the CICS TCB. CICS initiated shutdown occurs in the following situations:

1. CICS is notified that active CICS has signed off normally from the CAVM. Message DFHXG6507 is sent to the console.
2. CICS is notified that active CICS has been restarted "in place". Message DFHXG6511 is sent to the console.
3. CICS assumes that the active CICS has signed off normally from the CAVM. Message DFHXG6522 is sent to the console.

System Action: CICS terminates normally, but note that takeover does not occur if (active) CICS fails.

User Response: Consider restarting (alternate) CICS.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6522I *applid* Sign off normal from the CAVM assumed.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the active CICS has signed off from the CAVM. This is likely to occur when the alternate CICS is running on CEC 1 and:

1. Active CICS is started on CEC 2.
2. CEC 2 is reinitialized.
3. Active CICS is restarted on CEC 2.

System Action: CICS processing is terminated.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6523I *applid* CAVM failure detected. CICS cannot continue as Alternate.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed. Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 207.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6524I *applid* CAVM error detected. CICS cannot continue as Alternate.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has detected an error that prevents CICS from continuing as an alternate.

This would be the case, for example, where the alternate CICS has been unable to keep up with the messages generated by the active CICS.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 213.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6539I *applid* The reply to message DFHXG6518 is assumed to be TAKEOVER.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6680I *applid* TIME-OF-DAY CLOCK DIFFERENCE IS AT LEAST *sss* SECONDS.

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the lower bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the lower bound may change as more surveillance signals are processed by the CAVM. This may be the case within the first 3 to 5 surveillance signals of the active CICS starting. An elapsed time of some 10 seconds. This message is repeated as necessary.

System Action: CICS processing continues.

User Response: Ensure that the time-of day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6681I *applid* TIME-OF-DAY CLOCK DIFFERENCE IS AT MOST *sss* SECONDS.

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the upper bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the upper bound may change as more surveillance signals are processed by the CAVM; message DFHXG6681 will be repeated as necessary.

System Action: CICS processing continues.

User Response: Ensure that the time-of day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

DFHXG6682I

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6682I *applid* XRF clock synchronization started

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is earlier than that on the active CEC; time dependent processing must be suspended. Such processing is delayed until the time-of-day clock value on the alternate is later than that on the active CEC when the active job terminated.

System Action: Some CICS initialization continues.

User Response: Ensure that the time-of-day clocks are synchronized as closely as is possible. Note that takeover times may be increased if the difference in values is significant.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6683I *applid* XRF clock synchronization ended

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is now later than that on the active CEC; time dependent processing can be resumed.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXMxxxx messages

DFHXM0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. for further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMDB, DFHXMCL, DFHXMDD, DFHXMMD, DFHXMER, DFHXMFD, DFHXMIC, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMMP, DFHXMMSR, DFHXMMA, DFHXMMD, DFHXMME

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHXM0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMDB, DFHXMCL, DFHXMDD, DFHXMMD, DFHXMER, DFHXMFD, DFHXMIC, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMMP, DFHXMMSR, DFHXMMA, DFHXMMD, DFHXMME

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHXM0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module *modname* is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMMD, DFHXMER, DFHXMFD, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMMP, DFHXMSP, DFHXMTP, DFHXMXP, DFHXMZE

XMEOUT Parameters: *applid*, *X'offset'*, *modname*

DFHXM0101 *date time applid terminal userid tranid* TRANSACTION definition entry for *transname* has been added.

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been added to the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMMD

XMEOUT Parameters: *date*, *time*, *applid*, *terminal*, *userid*, *tranid*, *transname*

DFHXM0103 *date time applid terminal userid tranid* TRANSACTION definition entry for *transname* has been deleted.

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been deleted from the system using the DISCARD command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMDD

XMEOUT Parameters: *date*, *time*, *applid*, *terminal*, *userid*, *tranid*, *transname*

DFHXM0105 *date time applid terminal userid tranid* TRANSACTION definition entry for *transname* has been replaced.

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMMD

XMEOUT Parameters: *date*, *time*, *applid*, *terminal*, *userid*, *tranid*, *transname*

DFHXM0110 *date time applid* Transaction definition *transid1* has been installed with the same REMOTENAME and REMOTESYSTEM as existing definition *transid2*.

Explanation: Transaction definition *transid1* has been installed with the same REMOTENAME and REMOTESYSTEM as transaction definition *transid2*.

If this CICS system routes a transaction to the CICS system named as the REMOTESYSTEM of both the definitions and that transaction issues an EXEC CICS START request for the transaction-id named as the REMOTENAME of *transid1* and *transid2*, CICS can either attach *transid1* or *transid2* on the local system to satisfy the START request.

System Action: The install of transaction definition *transid1* continues normally.

If an EXEC CICS START request is issued on a remote system as described in the message explanation, CICS attaches *transid1* and not *transid2* on the local system.

CICS does not always resolve this ambiguity in the same way after a warm or emergency restart, however.

User Response: This situation usually causes no problems because the correct transaction is attached in the remote system. However, the correct transaction in the local system may not have been attached and this can manifest itself in the following ways:

- Inconsistent statistics being accumulated in the local system.
- The incorrect TRPROF being used when routing the START request back over to the remote system.
- CEMT INQUIRE TASK showing the wrong set of transactions running in the local system.

Although these are not necessarily problems, you may want to check the definitions of the remote transactions in this system in case they have been defined incorrectly.

If remote START requests are issued as described, and it does matter which transaction CICS attaches in the local system, you should modify and reinstall the transaction definition that should not be attached. This removes any ambiguity.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, transid2*

DFHXM0111 *date time applid* **Catalog failure while processing {INSTALL | SET | DISCARD} request for transaction definition *transid*.**

Explanation: An error has occurred while altering the catalog during the processing of an install, set, or discard request for transaction definition *transid*.

System Action: The request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of transaction definition *transid* and the following problems may occur only on a warm or emergency restart.

INSTALL If it is a reinstall, the old version of the transaction definition is recovered. If it is an install, the transaction definition is not recovered.

SET The change requested by the SET is not recovered. Instead the transaction definition is recovered to the state prior to the SET request being issued.

DISCARD The transaction definition is recovered on the restart even though it is currently discarded.

User Response: No immediate action is required. Consider performing a cold start the next time CICS is restarted to remedy the problem. If a cold start is not appropriate and the problem is only localized to transaction definition *transid*, remedy the effects outlined for each case previously.

For example,

INSTALL Reinstall the tranclass definition after the restart.

SET Reissue the SET command after CICS has been restarted.

DISCARD Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Modules: DFHXMDD, DFHXMxD

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=SET, 3=DISCARD}, transid*

DFHXM0112 *date time applid* **The install of transaction definition *transid1* has removed ALIAS *alias* of *transid2*.**

Explanation: Transaction definition *transid1* has been installed with an ALIAS of *alias*. However, ALIAS *alias* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The ALIAS *alias* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s ALIAS was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the ALIAS.

If the ALIAS has been removed in error, reinstall transaction definition *transid2* to reinstate its ALIAS. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the ALIAS.

Destination: CSMT

Module: DFHXMxD

XMEOUT Parameters: *date, time, applid, transid1, alias, transid2*

DFHXM0113 *date time applid* **The install of transaction definition *transid1* has removed TASKREQ *taskreq* of *transid2*.**

Explanation: Transaction definition *transid1* has been installed with a TASKREQ of *taskreq*. However, TASKREQ *taskreq* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The TASKREQ *taskreq* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s TASKREQ was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the TASKREQ.

If the TASKREQ has been removed in error, reinstall transaction definition *transid2* to reinstate its TASKREQ. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the TASKREQ.

Destination: CSMT

Module: DFHXMxD

XMEOUT Parameters: *date, time, applid, transid1, taskreq, transid2*

DFHXM0114 *date time applid* The install of transaction definition *transid1* has removed XTRANID 'Xtransid2.

Explanation: Transaction definition *transid1* has been installed with a XTRANID of *xtranid*. However, XTRANID *xtranid* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The XTRANID *xtranid* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s XTRANID was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the XTRANID.

If the XTRANID has been removed in error, reinstall transaction definition *transid2* to reinstate its XTRANID. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the XTRANID.

Destination: CSMT

Module: DFHXMxD

XMEOUT Parameters: *date, time, applid, transid1, X'tranid, transid2*

DFHXM0115 *date time applid* The install of transaction definition *transid1* has removed TPNAME *tpname* of *transid2*.

Explanation: Transaction definition *transid1* has been installed with a TPNAME of *tpname*. However, TPNAME *tpname* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The TPNAME *tpname* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s TPNAME was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the TPNAME.

If the TPNAME has been removed in error, reinstall transaction definition *transid2* to reinstate its TPNAME. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the TPNAME.

Destination: CSMT

Module: DFHXMxD

XMEOUT Parameters: *date, time, applid, transid1, tpname, transid2*

DFHXM0116 *date time applid* PROGRAM parameter missing from transaction definition *transid*. PROGRAM is required because REMOTESYSTEM is the same as the local system.

Explanation: Transaction definition *transid* has been installed without a PROGRAM parameter. Since it has been defined with a REMOTESYSTEM equal to the local system, a program is required if the transaction is executed on this system.

System Action: The install of *transid* continues as normal. Any attempt to run the transaction *transid* will fail because there is no program to link to.

User Response: This message is issued for information only. There is no problem if transaction *transid* is not executed on this system. If it is to be executed, the definition of *transid* needs to be modified and then reinstalled.

If the transaction is not executed, you may wish to investigate why the transaction definition has been installed. It could be that the transaction is defined in an RDO group that is shared between a number of different CICS systems. For example *transid* may be TTT1 in the following pair of definitions used to implement transaction routing to this local system CICB.

Transaction	Remotesystem	Remotename	Program
TTT1	CICB	TTT2	-
TTT2	-	-	PROGA

In this example, a single definition would suffice if the transaction was made to have the same name on this system.

Transaction	Remotesystem	Remotename	Program
TTT1	CICB	TTT1	PROGA

Destination: CSMT

Module: DFHXMxD

XMEOUT Parameters: *date, time, applid, transid*

DFHXM0201 *date time applid terminal userid tranid* TRANCLASS definition entry for *tranclassname* has been added.

Explanation: This is an audit log message indicating that tranclass definition entry *tranclassname* has been added to the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassname*

DFHXM0203 *date time applid terminal userid tranid* TRANCLASS definition entry for *tranclassname* has been deleted.

Explanation: This is an audit log message indicating that tranclass definition entry *tranclassname* has been deleted from the system using the DISCARD command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassname*

DFHXM0205 *date time applid terminal userid tranid* **TRANCLASS definition entry for *traclassname* has been replaced.**

Explanation: This is an audit log message indicating that tranclass definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, traclassname*

DFHXM0211 *date time applid* **Catalog failure while processing {INSTALL | SET | DISCARD} request for tranclass definition *traclassname*.**

Explanation: An error has occurred while altering the catalog during the processing of an install, set, or discard request for tranclass definition *traclassname*.

System Action: The request continues normally.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of tranclass definition *traclassname* and the following problems may occur only on a warm or emergency restart.

INSTALL If it is a reinstall, the old version of the tranclass definition is recovered. If it is an install, the tranclass definition was not recovered.

SET The change requested by the SET is not recovered. Instead the tranclass definition is recovered to the state it was in before the SET request was issued.

DISCARD The tranclass definition is recovered on the restart even though it is currently discarded.

User Response: No immediate action is required. To fully resolve the problem, consider performing a cold start the next time CICS is restarted. If a cold start is not appropriate and the problem is only localized, to tranclass definition *traclassname*, you can resolve each of the symptoms separately.

For example:

INSTALL Reinstall the tranclass definition after CICS has been restarted.

SET Reissue the SET command after CICS has been restarted.

DISCARD Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=SET, 3=DISCARD}, traclassname*

DFHXM0212 *applid* **Transaction *transid* has been attached with unknown tranclass *traclassname*.**

Explanation: Transaction *transid* has just been attached. It is defined as belonging to tranclass *traclassname* but *traclassname* does not exist.

This message is only issued the first time transaction *transid* is attached with the unknown tranclass.

System Action: The attach of transaction *transid* proceeds as normal but without being subject to any tranclass scheduling constraints.

User Response: If transaction *transid* should belong to tranclass *traclassname*, install that tranclass. If not, modify the transaction definition for *transid* as appropriate, and reinstall.

The CEDA CHECK command can be used to ensure that each of the tranclasses referenced by transaction definitions are defined within the same startup GRPLIST.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMQC

XMEOUT Parameters: *applid, transid, traclassname*

DFHXM0213 *applid* **Insufficient storage for system attach of transaction *transid*.**

Explanation: There is insufficient storage for a new task to be created for the attach of transaction *transid*.

Since the majority of the storage required for the new task is obtained from DSA storage, CICS is probably short on storage in one of the DSAs.

System Action: The attach request is queued. It is retried later when more storage should have become available. If the retried attach fails, it is queued and retried repeatedly until it succeeds.

User Response: If CICS is short on storage, message DFHSM0133 is also issued. Refer to that message for advice on how to resolve the condition.

If message DFHSM0133 has not been issued, the problem has been caused by insufficient MVS storage. In this case consider lowering the EDSALIM of the system to increase the amount of available MVS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMAT

XMEOUT Parameters: *applid, transid*

DFHXM0301 *date time applid* An attempt to link to the user-replaceable transaction restart program (DFHREST) has failed for task number *tasknum*. Transaction restart is not performed for transaction *tranid*.

Explanation: A restartable transaction abended and the transaction manager attempted to link to the user-replaceable transaction restart program (DFHREST) but the link has failed. Likely reasons are:

- DFHREST is not defined (and not autoinstalled)
- DFHREST is not present in any library specified in the DFHRPL concatenation.
- DFHREST has been linked with AMODE(24).

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time the link to DFHREST fails. To avoid this, ensure that DFHREST is properly defined and present in a library specified in the DFHRPL concatenation.

See the *CICS/ESA Customization Guide* for more information about user-replaceable programs.

Destination: Console and Transient Data Queue CSMT

Module: DFHXMTA.

XMEOUT Parameters: *date, time, applid, tasknum, tranid*

DFHXM0302 *applid* An abend *abcode* occurred in the user-replaceable transaction restart program (DFHREST) under task number *tasknum*. Transaction restart is not performed for transaction *tranid*.

Explanation: A restartable transaction abended and the transaction manager linked to the user-replaceable transaction restart program (DFHREST). DFHREST abended.

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time DFHREST abends. To avoid this, fix the problem in DFHREST and ensure that it is properly defined and present in a library specified in the DFHRPL concatenation.

See the *CICS/ESA Customization Guide* for more information about user-replaceable programs.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, abcode, tasknum, tranid*

DFHXM0303 *applid* A severe error (code *X'code'*) has occurred while initializing task number *tasknum* with transaction identifier *tranid*. Terminal *termid* has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is a terminal. No message may be sent to the terminal and it is unusable by CICS. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented

from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The terminal principal facility of the task is unusable by CICS until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, termid*

DFHXM0304 *applid* A severe error (code *X'code'*) has occurred while initializing task number *tasknum* with transaction identifier *tranid*. Transient data queue *tdqueue* has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the TD queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, tdqueue*

DFHXM0305 *applid* A severe error (code *X'code'*) has occurred while initializing task number *tasknum* with transaction identifier *tranid*. The interval control element has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is an interval control element. Any start data associated with the ICE will not be retrieved. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to destroy the ICE. Any start data will remain in temporary storage until it is deleted unless it is nonrecoverable in which case it will disappear on the next cold or emergency restart of CICS. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*

DFHXM0306 *applid* A severe error (code *X'code'*) has occurred while initializing task number *tasknum* with transaction identifier *tranid*. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The task has no principal facility bound to it. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same

resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to destroy the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*

DFHXM0307 *applid* A severe error (code *X'code'*) has occurred while terminating task number *tasknum* with transaction identifier *tranid*. The terminal *termid* has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task or send a message to its terminal principal facility. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The terminal principal facility of the task is unusable until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to free up the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*, *termid*

DFHXM0308 *applid* A severe error (code *X'code'*) has occurred while terminating task number *tasknum* with transaction identifier *tranid*. The transient data queue *tdqueue* has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMETA.

User Response: You must cancel CICS if you need to free up the transient data queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Note:** Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMETA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*, *tdqueue*

DFHXM0309 *applid* A severe error (code *X'code'*) has occurred while terminating task number *tasknum* with transaction identifier *tranid*. The interval control element has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. The principal facility of the task is an interval control element. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMETA.

User Response: You must cancel CICS if you need to destroy the ICE associated with the task. Any start data remains in temporary storage until it is deleted unless it is nonrecoverable, in which case it disappears on the next cold or emergency restart of CICS. You cannot quiesce CICS since this task does not terminate. You cannot purge or force purge the task.

Note the error code *X'code'*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMETA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*

DFHXM0310 *applid* A severe error (code *X'code'*) has occurred while terminating task number *tasknum* with transaction identifier *tranid*. If the task had a principal facility, it has been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: If the task had a principal facility, it has been released. If this was a terminal, the terminal should be usable by CICS.

The task is suspended indefinitely. First failure diagnostics should be produced by the component which detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMETA.

User Response: You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code *X'code'*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMETA.

XMEOUT Parameters: *applid*, *X'code'*, *tasknum*, *tranid*

DFHXM0501 *applid* CICS cannot satisfy request for MXT. Value *mxtvalue* has been used instead.

Explanation: The value entered for MXT cannot be handled by the system. *mxtvalue* is the largest value for which CICS has been able to acquire task storage.

The majority of the task storage required is now acquired from CICS DSAs.

System Action: The system continues to run with a MXT value of *mxtvalue*.

User Response: Check that the original value entered for MXT was correctly typed. If the value is mistyped, use CEMT to amend the MXT value (you are unlikely to be able to force the value higher). Remember that MXT now only includes user tasks and so it should not need to be set to a value as high as in previous releases.

If the value *mxtvalue* is acceptable, no action is necessary.

If the value *mxtvalue* is too small, check to see which programs, apart from CICS, are running in this region. To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the *CICS/ESA Installation Guide*.

Destination: Console

Module: DFHXMSR

XMEOUT Parameters: *applid, mxtvalue*

User Response: Investigate why there is insufficient storage for CICS to support such a low number of user tasks.

To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the *CICS/ESA Installation Guide*.

Destination: Console

Module: DFHXMSR

XMEOUT Parameters: *applid, minmxt*

DFHXOxxxx messages**DFHXO6700 OPTION STARTING xxx HAS ILLEGAL SYNTAX.**

Explanation: The option *xxx* has illegal syntax.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6702 JOB STEP IS NOT APF-AUTHORIZED.

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

System Action: The overseer program is abnormally terminated.

User Response: Ensure that the job step is APF-authorized. All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6703 UNABLE TO SET UP AUTHORIZED FACILITY.

Explanation: Insufficient storage is available to initialize the authorized facility required by the overseer.

System Action: The overseer program is abnormally terminated.

User Response: Ensure that the REGION parameter is sufficiently large.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXM0502 *applid* A catalog failure has occurred while saving the MXT setting.

Explanation: An error has occurred while saving the requested MXT setting on the catalog.

System Action: The requested MXT change request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the MXT value and only it may not be recovered on a warm or emergency restart.

User Response: No immediate action is required. Consider performing a cold start, with the required MXT value specified in the SIT the next time CICS is restarted. If a cold start is not appropriate, add MXT as a SIT override specifying the required MXT value.

Destination: Console

Module: DFHXMSR

XMEOUT Parameter: *applid*

DFHXM0503 *applid* CICS cannot support minimum MXT value of *minmxt*. CICS is terminated.

Explanation: A severe lack of storage has resulted in CICS not being able to acquire enough task storage to satisfy even the minimum MXT value of *minmxt*.

CICS cannot perform any useful work without *minmxt* number of user tasks.

System Action: CICS is terminated.

DFHXO6704 UNABLE TO OPEN DFHLIB.

Explanation: A DD statement for (ddname) DFHLIB was missing from the batch job stream.

System Action: The overseer program is abnormally terminated.

User Response: Correct the JCL.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOS

DFHXO6705 xxx OPTION IS MISSING.

Explanation: The option xxx may not be omitted.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6706 CYTIM OPTION MUST BE IN RANGE 20 TO 32767.

Explanation: The CYTIM option must fall within the range 20 through 32767.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6707 VALUE OF xxx OPTION IS LONGER THAN 5 DIGITS.

Explanation: The value of the given numeric option must occupy no more than five digits.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6708 VALUE OF xxx OPTION IS NON-NUMERIC.

Explanation: The value of the option xxx must be numeric.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6709 VALUE OF xxx OPTION IS LONGER THAN 8 CHARACTERS.

Explanation: The value of option xxx must occupy no more than eight characters.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6712 xxx IS AN INVALID OPTION KEYWORD.

Explanation: The specified keyword xxx is an invalid option.

System Action: Option xxx is ignored.

User Response: Correct the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6720 THE CICS XRF OVERSEER HAS RECEIVED AN INVALID RESPONSE TO A SUBSYSTEM INTERFACE REQUEST.

Explanation: Overseer services has received an inconsistent response to an MVS subsystem interface request for job status. The response indicates insufficient storage although more than the indicated necessary amount is provided.

System Action: A dump is taken and the overseer job abnormally terminates with MVS user abend code 224.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSB

DFHXO6721 THE CICS XRF OVERSEER HAS BEEN UNABLE TO GET STORAGE FOR A SUBSYSTEM INTERFACE REQUEST.

Explanation: The XRF overseer application program has issued a DFHWOSM FUNC=JJC, JJS or QJJS macro. The MVS subsystem interface request issued by the overseer services program while processing this request has failed. The response indicates that the reply area is too small. The MVS GETMAIN request to obtain a larger area is not satisfied.

System Action: The subsystem options block (SSOB), indicating 'status array too small' (SSOBRETN=SSCSMALL), is returned to the caller in the 256 byte SSOB return area specified in the DFHWOSM macro.

User Response: Since the areas involved are small, the condition should not normally occur. If it persists, or disrupts the effectiveness of your overseer application, you may need to cancel

DFHXSxxxx

the overseer job with a dump to investigate the reason for the shortage of storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSB

DFHXSxxxx messages

DFHXS0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXS LU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid*, *aaa/bbbb*, *X'offset'*, *modname*

DFHXS0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXS DM, DFHXSFL, DFHXSIS, DFHXS LU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid*, *X'code'*, *modname*

DFHXS0004 *applid* A possible loop has been detected at offset *X'offset'* in module *modname*.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset *X'offset'*. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXS LU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, X'offset', modname*

DFHXS0006 *applid* **Insufficient storage to satisfy Getmain (code X'code') in module *modname*. MVS code *mvscode*.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXS LU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHXS02001 *date time applid* **External security initialization has been successfully tracked.**

Explanation: An external security initialization performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD) has been tracked to the XRF alternate system, and has completed successfully.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS02011 *date time applid* **External security initialization has been tracked, and has failed with return code X'xx' and reason code X'yy'.**

Explanation: An external security initialization was performed on an active CICS system by use of a CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD.

The external security initialization has been tracked to the XRF alternate system, but has failed with return code *xx* and reason code *yy*.

xx and *yy* are the values placed in registers 15 and 0 by the external security manager.

System Action: CICS provides a system dump of the XRF alternate system, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Use the return codes in the message, to determine why the security initialization failed.

If the codes are invalid, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid, X'xx', X'yy'*

DFHXS0202 *date time applid* **An attempt to track external security initialization has failed, tracking data could not be sent.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has not been tracked to an alternate system because the tracking data could not be sent.

System Action: CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate will no longer match those of the active. Either shut down the alternate, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS0203 *date time applid* **An attempt to track external security initialization has failed, tracking data could not be received.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

The external security initialization has not been tracked to an alternate system because the tracking data could not be received.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: CICS provides a system dump of the alternate system, and ceases to track the security initializations.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS0204 *date time applid* **An attempt to track external security initialization has failed, tracking data was corrupted.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has been tracked to an alternate system but the tracking data was corrupted in transit.

System Action: CICS provides a system dump of the alternate systems, and ceases to track the security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS1100I *applid* **Security initialization has started.**

Explanation: This is an informational message indicating that security domain initialization has started.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSDM

XMEOUT Parameter: *applid*

DFHXS1101I *applid* **Security initialization has ended.**

Explanation: This is an informational message indicating that security domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSWM

XMEOUT Parameter: *applid*

DFHXS1102I *applid* **Security is inactive.**

Explanation: This is an informational message indicating that security is not active.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSWM

XMEOUT Parameter: *applid*

DFHXS1103I *applid* **Default security for userid *dftuser* has been established.**

Explanation: CICS has established a security environment for the default userid *dftuser*.

System Action: The authorities that are assigned to this userid by the external security manager will be used in CICS resource checks whenever no other userid has been established.

User Response: None.

Destination: Console Routecodes 2, 9 and 11

Module: DFHXSWM

XMEOUT Parameters: *applid, dftuser*

DFHXS1104 *applid* **Default security could not be established for userid *dftuser*. The security domain cannot continue, so CICS is terminated. SAF codes are (*X'safresp'*,*X'safreas'*). ESM codes are (*X'esmresp'*,*X'esmreas'*).**

Explanation: CICS could not establish a security environment for the default userid *dftuser*. The security domain cannot continue without a default user. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY macro.

System Action: CICS terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=VERIFY operation failed. Then, either correct the errors for the failing default user and restart CICS, or restart CICS with a different default userid.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSWM

XMEOUT Parameters: *applid, dftuser, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1105 *applid* Resource profiles for class *classname* have been built.

Explanation: The security resource profiles for the class *classname* have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent resource checks to determine users' authorizations to access resources in the named class.

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, classname*

DFHXS1106 *applid* Resource profiles could not be built for class *classname*. CICS is terminated. SAF codes are (*X'safresp'*,*X'safreas'*). ESM codes are (*X'esmresp'*,*X'esmreas'*).

Explanation: The security resource profiles for the class *classname* could not be loaded into storage by the external security manager. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of the security domain
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: CICS is unable to provide reliable resource security, so it terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, classname, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1107 *applid* Partner-LU profiles for class APPCLU have been built.

Explanation: The partner-LU profiles for the class APPCLU have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent bind authorization checks for LU6.2 sessions whose CONNECTION definition specifies BINDSECURITY(YES).

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameter: *applid*

DFHXS1108 *applid* Partner-LU profiles could not be built for class APPCLU. SAF codes are (*X'safresp'*,*X'safreas'*). ESM codes are (*X'esmresp'*,*X'esmreas'*).

Explanation: The partner-LU profiles for the class APPCLU could not be loaded into storage by the external security manager. CICS therefore has no APPCLU security profiles. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of VTAM support in terminal control
- The CEMT command SET VTAM OPEN
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS SET VTAM OPEN command
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: If the failure occurs during CICS initialization or PERFORM SECURITY REBUILD, CICS terminates. If the failure occurs during SET VTAM OPEN, the VTAM ACB is closed and CICS continues.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Modules: DFHXSIS, DFHXSRC

XMEOUT Parameters: *applid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1109 *applid* APPC PROFILE *profile* COULD NOT BE AUDITED. SAF CODES ARE (*X'safresp'*,*X'safreas'*). ESM CODES ARE (*X'esmresp'*,*X'esmreas'*).

Explanation: An audit request for a partner-LU verification check has failed for profile *profile*.

During the start-up of an APPC session, each partner can validate the other. During this validation process, the system:

- Retrieves the relevant APPCLU profile from the external security manager
- Checks that the session key is still usable
- Requests the external security manager to write audit records concerning this profile and the validation to the system management facility (SMF).

The following events are audited:

- Whether the session partner was correctly validated
- Whether the session partner failed validation
- Whether the session key will expire in less than six days
- Whether the retrieved profile is "locked"
- Whether the session key is null, or all zero
- Whether the session key has expired.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=AUDIT macro.

DFHXS1110

System Action: The CICS system is not affected by this event, and CICS continues.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=AUDIT operation failed. Correct the problem in the external security manager, then perform a security rebuild, if appropriate.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecode 9

Module: DFHXS5B

DFHXS1110 *applid* Security is requested, but the external security manager is inactive.

Explanation: Security was requested for this region, but the external security manager (ESM) was found to be inactive. The SEC system initialization parameter was specified as YES or left as its default value. CICS cannot initialize its security manager unless the ESM is active.

System Action: CICS terminates.

User Response: If you have an ESM installed on your system, ensure that it is active before attempting to start CICS. Otherwise, restart CICS without security by specifying SEC=NO as a system initialization parameter. Note that the SEC parameter cannot be entered as a console override.

Destination: Console Routecodes 1, 9, 10 and 11

Module: DFHXSIS

XMEOUT Parameter: *applid*

DFHXS1111 *date time applid tranid* Security violation by user *userid* { *at netname* | *at console* } *portname* for resource *resource* in class *classname*. SAF codes are (*X'safresp*,*X'safreas*). ESM codes are (*X'esmresp*,*X'esmreas*).

Explanation: CICS has detected a security violation by user *userid* while performing an authority check for resource *resource* in resource class *classname*.

If the *userid* causing the violation is signed on at a VTAM terminal, the phrase "at netname *portname*" reports the netname at which the violation occurred. If the *userid* causing the violation is signed on at a console, the phrase "at console *portname*" reports the console name at which the violation occurred. If the *userid* causing the violation is not signed on or this is a non terminal task, then the entry port will not appear in this message as it is not available.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or RACROUTE REQUEST=AUTH macros. These return codes are described in the *MVS/ESA Application Development Guide: Authorized Assembler Language Programs* (GC28-1645), and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366).

CICS can also issue this message when you use the EXEC CICS QUERY SECURITY command with the LOGMESSAGE(LOG) option.

System Action: CICS abnormally terminates the task requesting the invalid access except under one of the following conditions:

- The command is issued within the scope of an EXEC CICS HANDLE NOTAUTH command.

- The command is issued as a result of an EXEC CICS QUERY SECURITY command.

User Response: Note the security violation.

Destination: CSCS

Module: DFHXSRC

XMEOUT Parameters: *date, time, applid, tranid, userid, {1= at netname, 2= at console}, portname, resource, classname, X'safresp, X'safreas, X'esmresp, X'esmreas'*

DFHXS1112 *applid* The CICS region *userid* and *groupid* could not be determined. SAF codes are (*X'safresp*,*X'safreas*). ESM codes are (*X'esmresp*,*X'esmreas*).

Explanation: CICS could not determine the *userid* and *groupid* for this CICS region.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=EXTRACT macro.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=EXTRACT operation failed. Then, either correct the errors for the failing region *userid* and *groupid*, and restart CICS, or restart CICS with a different *userid* and *groupid*.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSIS

XMEOUT Parameters: *applid, X'safresp, X'safreas, X'esmresp, X'esmreas'*

DFHXS1113 *applid* The region *userid* cannot access system transaction *tranid*. CICS will terminate. SAF codes are (*X'safresp*,*X'safreas*). ESM codes are (*X'esmresp*,*X'esmreas*).

Explanation: The region *userid* for this CICS system is not authorized to attach the system transaction *tranid*. It is a CICS requirement that the region *userid* must be able to access this transaction.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or AUTH macro.

System Action: CICS terminates.

User Response: Authorize the CICS region *userid* to access all the required CICS system transactions, or specify a different region *userid* that does have the required authority. (The required transactions are documented as the 'Category 1' transactions in the *CICS/ESA CICS-RACF Security Guide*. To authorize the region *userid* to use these transactions, you should execute the sample clist DFH\$CAT1, as described in the *CICS/ESA Installation Guide*.)

Then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, tranid, X'safresp, X'safreas, X'esmresp, X'esmreas'*

DFHXS1201 *date time applid* The password supplied in the verification request for userid *userid* was invalid. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: An invalid password was supplied for user verification.

System Action: The external security manager also issues a message on the MVS/ESA security console.

CICS continues. No dump is taken.

User Response: Supply the correct password, or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1202 *date time applid* The password supplied in the verification request for userid *userid* has expired. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: An expired password was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Change the password using the CICS signon process, the EXEC CICS CHANGE PASSWORD API, or any other method available to you. Alternatively, contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1203 *date time applid* The userid supplied in the verification request for userid *userid* is revoked. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: A revoked userid was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1205 *date time applid* The userid *userid* supplied in a verification request is not defined in the ESM. This occurred in transaction *transid* at netname *netname*.

Explanation: An undefined userid was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHXS1211 *date time applid* The password supplied in a change password request for userid *userid* was invalid. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: An invalid password was supplied for change password processing.

System Action: The external security manager also issues a message on the MVS/ESA security console.

CICS continues. No dump is taken.

User Response: Supply the correct password or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1213 *date time applid* The userid supplied in a change password request for userid *userid* is revoked. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: A revoked userid was supplied on a password change request

System Action: CICS continues. No dump is taken.

User Response: You should have the userid reinstated before it can be used. Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1214 *date time applid* The new password supplied in a change password request for userid *userid* was not accepted. This occurred in transaction *transid* when userid *userid* was signed on at netname *netname*.

Explanation: An invalid new password was supplied on a password change request.

System Action: CICS continues. No dump is taken.

User Response: Select a suitable new password and try again. If necessary, contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1215 *date time applid* The userid *userid* supplied in a change password request is not defined in the ESM. This occurred in transaction *tranid* at netname *netname*.

Explanation: An undefined userid was supplied on a password change request

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHXS1216 *date time applid* The userid *userid* supplied in a change password request has a revoked connection to the default group in the ESM. This occurred in transaction *tranid* at netname *netname*.

Explanation: The userid supplied on a password change request is revoked in the ESM connection to the default group.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHZCxxxx messages

Messages that are generated because the VTAM SYNAD and LERAD exits have been entered are followed by VTAM RETURN CODE *xyy* where *xx* is the VTAM recovery action return code and *yy* is the VTAM specific error return code, each obtained from fields of the RPL.

Messages that are generated because system or user sense data has been received, are followed by SENSE RECEIVED *xyy zzzz* where *xx* is the VTAM system sense information byte, *yy* is the VTAM system sense modifier byte, and *zzzz* represents 2 bytes of user sense information.

Values for *xx*, *yy*, and *zzzz* are hexadecimal. The VTAM system sense information byte, *xx*, can have the following values:

<i>xx</i>	meaning
X'00'	User sense data only (see <i>zzzz</i>)
X'08'	Request reject
X'10'	Request error
X'20'	State error
X'40'	Request header (RH) usage error
X'80'	Path error

For the meaning of *yy*, see the *SNA Formats* manual.

The *sense* insert is not included in DFHZCxxxx messages when no meaningful feedback is available.

The *instance* field on some DFHZCxxxx messages is for IBM internal use only.

DFHZC0001 *applid* An abend (code *aaa/bbbb*) has occurred at offset *X'offset'* in module *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *MVS/ESA System Codes* manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

For further information about *code*, see the *CICS/ESA Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZGBM, DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHZC0002 *applid* A severe error (code *X'code'*) has occurred in module *modname*.

Explanation: An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT Parameters: *applid, X'code', modname*

DFHZC0003 *applid* **Insufficient storage (code X'code') in module *modname*.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

Destination: Console

Modules: DFHTCRP, DFHZGRP

XMEOUT Parameters: *applid, X'code', modname*

DFHZC0004 *applid* **A possible loop has been detected at offset X'offset' in module *modname*.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module:

XMEOUT Parameters: *applid, X'offset', modname*

DFHZC0101 *date time applid* **A predatory takeover has forced VTAM to allow another application to open the ACB which CICS was using.**

Explanation: A predatory takeover is occurring. This means that a job is initializing which has the same applid as the CICS system. This initiates a takeover of the network. As a normal part of this process, VTAM drives the TPEND exit.

System Action: All requests on VTAM sessions are abnormally terminated and the sessions closed. The VTAM ACB is then opened by the application which is using the same APPLID as the CICS region. The new system recovers any persisting sessions.

User Response: If this takeover of the network was unintentional, you can prevent it happening in future by using RACF to protect the APPLID. Refer to the VTAM application security section in the *VTAM Network Implementation Guide*, SC31-6434 for details of how to do this.

Destination: Console and Transient Data Queue CSNE

Module: DFHZNCA

XMEOUT Parameters: *date, time, applid*

DFHZC0110 *date time applid* **The LU6.2 NIB and the TCTTE/BIND data for session *sessid* did not match during a persistent sessions restart. Reason code X'n'.**

Explanation: A node initialization block (NIB) has been passed to CICS by VTAM during a persistent sessions restart. An attempt was made by CICS to match the NIB to a session TCTTE. The reason code explains the cause of the mismatch.

Reason Explanation

- | | |
|---|--|
| 1 | Single/parallel session indication did not match. |
| 2 | LU type did not match. |
| 3 | LU type and single/parallel session did not match. |

System Action: The attempt to match a persisting session with a TCTTE has failed. The session is unbound. CICS ignores this session and continues with the next session if there is one.

User Response: The production of this message means that there is no suitable global catalog record to match the NIB which VTAM has passed in. This implies that the wrong global catalog is being used for this initialization of CICS, or that the catalog records are corrupted. Ensure that the global catalog being used is correct.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sessid, X'n'*

DFHZC0111 *date time applid* **No session TCTTE is available to match sysid *sysid* for modename *modename* because VTAM has returned more NIBs than the CNOS session limit values require.**

Explanation: During persistent sessions restart VTAM has returned more node initialization blocks (NIBs) than the current CNOS session limit values require. This is probably because a CNOS from a high session limit to a lower session limit was in progress when CICS failed.

System Action: The process NIB function is terminated. The session is unbound. CICS ignores this session and continues with the next session if there is one.

This situation has no effect on the restored CICS. The last catalogued CNOS values are restored.

User Response: None.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sysid, modename*

DFHZC0112 *date time applid* **No TCTME was found for sysid *sysid* modename *modename* during a persistent sessions restart.**

Explanation: An error has occurred during persistent sessions restart. VTAM passed a NIB to CICS containing the named modename, but CICS was unable to locate the corresponding TCTME.

System Action: The attempt to match the NIB to a TCTTE is terminated. The session is unbound.

A system dump is produced.

The CNOS values not related to this modegroup are restored, but the named modegroup cannot be recovered.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sysid, modename*

DFHZC0120I *applid* **VTAM sessions persisted for a COLD start. Sessions terminated. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*.**

Explanation: CICS is initializing with a COLD start, but some VTAM sessions have persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0121I *applid* **VTAM sessions persisted for a WARM start. Sessions terminated. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*.**

Explanation: CICS is initializing with a WARM start, but some VTAM sessions unexpectedly persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: Examine the JOBLLOG from the previous run to determine why sessions persisted despite a WARM shut down.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0122I *applid* VTAM sessions persisted for an EMERGENCY, XRF=YES start. Sessions terminated. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*.

Explanation: CICS is initializing with an EMERGENCY start, but XRF = YES has been specified and some VTAM sessions persisted unexpectedly from a previous CICS with a nonzero PSDI value.

CICS has attempted to close all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: You should not mix XRF and persistent sessions. If you wish to use XRF, do a COLD start.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid*, *icount*, *spcount*, *stcount*

DFHZC0123I *applid* VTAM sessions persisted when OPEN VTAM ACB issued. Sessions terminated. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*.

Explanation: The VTAM ACB has been opened while CICS is running, however some VTAM sessions persisted either from a previous CICS with a nonzero PSDI value, or when the VTAM ACB was closed.

Persisting sessions have been terminated. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain the reason.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid*, *icount*, *spcount*, *stcount*

DFHZC0124I *applid* VTAM sessions persisted for an EMERGENCY start. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*, sessions OPNDSTed *socount*, sessions in error *secount*.

Explanation: CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.

#

#

#

APAR PQ13599

Paragraphs deleted from messages DFHZC0124I and DFHZC0134I

- *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- *socount* is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- *secount* is the number of sessions that CICS failed to restore.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid*, *icount*, *spcount*, *stcount*, *socount*, *secount*

DFHZC0125 *date time applid netname* persistent session will be terminated. *sense* ((*instance*) **Module name:** {DFHZGRP})

Explanation: CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

However, the session with a NETNAME of *netname* is terminated for one of the following reasons as indicated by the *instance* in the message. An AP exception trace entry is made for each *instance* as follows.

Instance	Point ID and Explanation
1	X'FB21' There is not enough storage to recover an APPC session.
2	X'FB22' There is not enough storage to recover a terminal session.
3	X'FB25' The NIB and the TCTTE with the same NETNAME were not of the same LU TYPE.

System Action: An AP exception trace with a point ID as above is issued. issued. The session is terminated and CICS continues.

User Response: The exception trace point identifies where the message was issued and determines the action to take.

Destination: CSNE

Module: DFHZGRP

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZGRP, 2=DFHZGRP, 3=DFHZGRP}*

DFHZC0126I *applid* No VTAM sessions persisted for an EMERGENCY restart.

Explanation: CICS was initializing with an EMERGENCY start but no VTAM sessions persisted from a previous CICS run. Possible reasons are:

- No persistence was specified in the previous run.
- CICS crashed with the ACB open but no sessions were in use.
- The PSDI value expired.
- An error occurred before DFHZGRP could determine if any sessions persist.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameter: *applid*

DFHZC0127 *applid* Cannot reestablish persisting sessions - VTAM ACB is closed. Code: *X'code'*. Module name: *module*

Explanation: The VTAM ACB has been opened and CICS is processing VTAM persisting sessions, however the ACB was closed, or is being closed by operator action before all the sessions could be restored or terminated.

System Action: CICS continues to close the VTAM ACB and then runs without VTAM support.

User Response: Determine why the operator closed the ACB and either continue without VTAM, dynamically open the ACB, or shut CICS down normally and restart it.

X'code' is the AP exception trace entry that determines which VTAM macro diagnosed the ACB as being closed and where it was issued.

Destination: Console

Modules: DFHZGRP DFHZGUB

XMEOUT Parameters: *applid, X'code', module*

DFHZC0128 *applid* Cannot reestablish persisting sessions - VTAM not responding. Module name: *module*

Explanation: CICS is processing VTAM persisting sessions. However it has issued a VTAM macro and has waited for 5 minutes for the response.

System Action: If this occurs during start up, CICS terminates. If this occurs during dynamic open, the VTAM ACB is closed and CICS continues without VTAM.

A dump is taken for this message in both cases.

User Response: You can restart CICS again immediately, or wait for the persistent sessions to time out and then restart CICS.

If this problem reoccurs you need to find out why VTAM is not responding to the INQUIRE or OPNDST macro (if the message is issued by DFHZGRP), or the CLSDST or TERMSESS macro (if the message is issued by DFHZGUB).

You can determine which macro is not responding by examining the TCP section of the dump and looking at the RPLs in the PS POOL labeled PS_RPL. The first RPL is for use by INQUIRE or OPNDST, the next 10 by CLSDST or TERMSESS.

Destination: Console

Modules: DFHZGRP, DFHZGUB

XMEOUT Parameters: *applid, module*

DFHZC0129 *applid* VTAM OPNDST RESTORE failed. All sessions in the NIBLIST will be terminated instead. RTNCD,FDB2: *X'rc',X'fd'*. Code: *X'code'*

Explanation: CICS is processing VTAM persistent sessions during an EMERGENCY restart but VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the OPNDST OPTCD=RESTORE macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken on the first occurrence of this problem unless dumps have been specifically suppressed in the dump table. CICS attempts to terminate all the sessions in the NIBLIST instead of restoring them.

User Response: Use the dump taken on the first occurrence of this problem or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0130 *applid* VTAM INQUIRE PERSESS failed. Cannot restore any persisting sessions. RTNCD,FDB2: *X'rc',X'fd'*. Code: *X'code'*

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

If this occurs during initialization, CICS terminates.

If this occurs during a dynamic open of the ACB, CICS closes the ACB and continues to run without VTAM.

The sessions persist until the PSDI value times out or until VTAM operator commands are issued to terminate the sessions.

User Response: Use the dump or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If the problem occurs during initialization, try to correct the error and then retry the start up, or wait until the PSDI value time expires and restart CICS.

If the problem occurs when the ACB was opened dynamically, you can repeat the command to open the VTAM ACB, or wait until the PSDI time expires and then repeat it.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0131 *date time applid netname termid* VTAM OPNDST RESTORE failed.

Explanation: CICS is processing VTAM persistent sessions and has issued an OPNDST OPTCD=RESTORE against a NIBLIST. However, the NIB identified by *netname* and a session or termid of *termid* failed to open successfully. This is probably because the session was terminated by the VTAM operator after INQUIRE OPTCD=PERSESS was issued.

System Action: CICS continues.

User Response: Reopen the session in the normal way.

Destination: CSNE

Module: DFHZGRP

XMEOUT Parameters: *date, time, applid, netname, termid*

DFHZC0132 *applid* VTAM INQUIRE PERSESS failed. Cannot restore some persisting sessions. Network only partially restored. RTNCD,FDB2: *X'rc',X'fd'*. Code: *X'code'*

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of *rc,fd* in response to a subsequent INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

CICS continues with a partial network. Some of the sessions are usable, others are not until the PSDI value times out or the VTAM operator terminates the sessions that failed.

User Response: Use the dump or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If enough of the network is available, wait until the PSDI value expires or use VTAM operator commands to terminate the sessions.

If the network is unusable, either close and reopen the VTAM ACB, or restart CICS.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0133A *applid* Persistent session recovery failed.

Explanation: CICS was initializing when an attempt to process VTAM persistent session failed. The reasons are given in earlier messages.

System Action: CICS terminates.

User Response: Examine earlier messages and exception trace entries to determine the reason for failure.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

— APAR PQ13599

Deleted paragraphs from messages DFHZC0124I and
DFHZC0134I

DFHZC0134I *applid* VTAM sessions persisted when OPEN ACB issued. Inquires issued *icount*, sessions persisting *spcount*, sessions terminated *stcount*, sessions OPNDSTed *socount*, sessions in error *secount*.

Explanation: The VTAM ACB has been opened while CICS is running, and some VTAM sessions persisted after VTAM abended.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- # • *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- # • *spcount* is the number of VTAM sessions that persisted.
- # • *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- # • *socount* is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- # • *secount* is the number of sessions that CICS failed to restore.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount, socount, secount*

DFHZC0136 *applid* PSDI value indicated persistence but the run time VTAM does not support persistent sessions.

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, this release of VTAM does not support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: ACF/VTAM Release 3 Version 4 Modification 1 or higher must be used in order to take advantage of CICS persistent session support.

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0137 *applid* PSDI value indicated persistence but the TCT assemble time VTAM does not support persistent sessions.

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, DFHTCTxx was assembled against a release of VTAM that cannot support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: Reassemble the TCT against ACF/VTAM Release 3 Version 4 Modification 1 or higher in order to take advantage of CICS persistent session support.

DFHZC0140

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0140 *applid* SETLOGON PERSIST failed. RTNCD,FDB2: X'rc',X'fd'. **Code:** X'code'

Explanation: CICS was opening the VTAM ACB, setting the PSDI value from an operator command or doing a WARM shut down. It attempted to issue the VTAM command SETLOGON OPTCD=PERSIST or OPTCD=NPERSIST. However, VTAM returned a RTNCD,FDB2 of *rc,fd*.

System Action: An AP exception trace entry, *code*, is made.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the ACB was being opened, no VTAM sessions persist and the PSDI value is set to 0.

If just the PSDI value was being changed, either by the operator or during termination, the value is unchanged, both to CICS and to VTAM.

If this occurs during a VTAM shut down and some sessions are not closed, sessions may exist on VTAM start-up and are terminated then.

User Response: Use the dump taken or the exception trace entry *code* and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0144 *date time applid sysid termid* Synclevel 2 conversation started by *netname* before Exchange Lognames, and following a persistent sessions restart. *sense ((instance))* **Module name:** {DFHZGDA}

Explanation: Following a persistent sessions restart, CICS has received an attach FMH5 for a synclevel 2 conversation from a partner with *netname netname* before Exchange Lognames processing is complete.

System Action: A Deallocate(Abend) with sense code 08640001 is issued for the conversation.

User Response: No further APPC synclevel 2 conversations should be started by the partner until Exchange Lognames has completed. Use CEMT to inquire on the status of the connection in order to determine whether Exchange Lognames has completed (see the *CICS/ESA CICS-Supplied Transactions* for more information).

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, netname, sense, instance, {1=DFHZGDA}*

DFHZC0145 *date time applid netname termid* Synclevel 2 APPC conversation started before Exchange Lognames completed. Error occurred executing Deallocate(Abend). *sense ((instance))* **Module name:** {DFHZGDA}

Explanation: The APPC session *termid* with *netname* persisted during a CICS persistent sessions restart. The partner initiated a new synclevel 2 conversation before Exchange Lognames processing had completed. CICS attempted to issue a Deallocate(Abend) for the conversation. The Deallocate(Abend) could not be completed for the reason indicated by the *instance* in the message as follows.

Instance Explanation

01 DFHZGDA called with chain Finite State Machine in unexpected state.

02 DFHZGDA called with bracket Finite State Machine in unexpected state

For the meaning of the sense data, see the explanation on page 412.

System Action: The state of the session after the persistent sessions restart cannot be determined, and the session is deactivated in order to reset the states. The sessions are reactivated.

User Response: If the session is not successfully reactivated, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, netname, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA}*

DFHZC0146 *date time applid* VTAM session for *termid* successfully recovered following a persistent sessions restart *sense ((instance))* **Module name:** {DFHZXRC}

Explanation: CICS has restored the VTAM persistent session for terminal *termid* following a persistent sessions restart.

The equivalent message for APPC sessions is DFHZC0156.

System Action: If recovery notification is specified for this terminal, the recovery message is sent to the terminal, or the transaction requested to run at recovery notification time is started.

User Response: If required, code an NEP to override the recovery notification option originally specified in the TYPETERM definition for this session. See the *CICS/ESA Resource Definition Guide* and the *CICS/ESA Customization Guide* for more information.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZXRC}*

DFHZC0147 *date time applid sysid termid* **Error occurred recovering persisting session.** *sense ((instance) Module name: {DFHZGDA})*

Explanation: An error has prevented the recovery of an APPC conversation which persisted across an emergency restart.

The session with a termid of *termid* is terminated. The reason and the corresponding AP exception trace entry are indicated by the *instance* in the message;

Instance Point ID and explanation

- | | |
|---|--|
| 1 | X'FB79' SEND not executed due to invalid bracket state. |
| 2 | X'FB7B' Insufficient storage for session recovery. |
| 3 | X'FB76' Recovery status byte TCTE_PRSS contains an unexpected value. |
| 4 | X'FB7A' RECEIVE not executed due to invalid bracket state. |
| 5 | X'FB78' Unexpected sense received during persistent sessions recovery. |

System Action:

An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

User Response: If recovery failed due to insufficient storage, try increasing the DSA or EDSA size limits (see the *CICS/ESA Customization Guide*). If any of the other instances occur, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA, 3=DFHZGDA, 4=DFHZGDA, 5=DFHZGDA}*

DFHZC0148 *date time applid sysid termid* **VTAM send or receive failed during persistent sessions recovery.** *sense ((instance) Module name: {DFHZGDA})*

Explanation: As part of session recovery following a persistent session restart CICS issued a VTAM SEND or RECEIVE. The VTAM request failed leaving the session in an unknown state.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is terminated.

User Response: To determine the cause of the problem, see the associated DFHZC*nnn* message in the CSNE log. This message gives further diagnostic information on the failing VTAM request.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA}*

DFHZC0149 *date time applid termid* **Connection failure occurred during a persistent sessions restart** *sense ((instance) Module name: {DFHZNSP})*

Explanation: During a persistent sessions restart, CICS has been notified of the failure of a session initiation request issued during the previous instance of CICS.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZNSP}*

DFHZC0150 *date time applid termid* **Error processing the session state data returned after a persistent sessions restart.** *sense ((instance) Module name: {DFHZXRC})*

Explanation: The VTAM session for terminal *termid* persisted during a CICS persistent sessions restart, but an error occurred while processing the session state data returned by VTAM. The reason is indicated by the *instance* in the message as follows.

Instance Explanation

- | | |
|----|---|
| 01 | DFHZXRC called with an invalid request. |
| 02 | TCTTEDA contains null characters instead of the expected address. |
| 03 | Reserved |
| 04 | The vector key of the data passed by VTAM is not correct. |
| 05 | The length of the vector_29 data is too short. |
| 06 | Unidentified cleanup action detected. |
| 07 | Unidentified recovery option detected. |
| 08 | Invalid cleanup action for RECOVPTION(NONE). |
| 09 | Invalid cleanup action for RECOVPTION(MESSAGE). |
| 10 | Invalid cleanup action for RECOVPTION(TRANSACTION). |
| 11 | Reserved. |
| 12 | DFHZXRC has been driven to process an LU6 session. |
| 13 | Neither XRF nor persistent sessions recovery is in progress DFHZXRC has been called in error. |

For the meaning of the sense data, see the explanation on page 412.

System Action: The state of the session after the persistent sessions restart cannot be determined, and the session is terminated in order to reset the states. Non-APPC sessions are restarted.

User Response: If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC}*

DFHZC0155

9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC, 12=DFHZXRC,
13=DFHZXRC}

DFHZC0155 *date time applid sysid termid* **Error occurred during processing of session state data returned after restart of persisting session.** *sense ((instance) Module name: {DFHZXPS})*

Explanation: The VTAM APPC session *sysid termid* persisted during a CICS persistent session restart, but an error occurred while processing the session state data returned by VTAM following an OPNDST OPTCD=RESTORE.

If the error needs further investigation, a dump is taken.

No dump is taken if an earlier problem has already caused a dump to be taken or if this is a known state for which we cannot allow the session to persist, for example bind security processing was not complete for this session when CICS crashed.

The reason and the corresponding AP exception trace entry are indicated by the *instance* in the message.

Instance Point ID and Explanation

- | | | |
|----|---------|---|
| 1 | X'FBD2' | Recovery status byte TCTE_PRSS contained unexpected value. |
| 2 | X'FBD3' | No VTAM session state data received. |
| 3 | X'FBD4' | Invalid BIS tracking data received. |
| 4 | X'FBD5' | Invalid bid tracking data received. |
| 5 | X'FBD6' | Positive response sent to bid with data.
This is a known state for which the session cannot be recovered. |
| 6 | X'FBD7' | Inconsistency between bid and BIS tracking data. |
| 7 | X'FBD8' | Tracking data received is invalid for APPC. |
| 8 | X'FBD9' | Tracking data contained invalid data flow indicators. |
| 9 | X'FBDA' | Tracking data contained an unrecognized response. |
| 10 | X'FBDB' | Tracking data contained an unrecognized command. |
| 11 | X'FBDC' | Inconsistency between BIS and RU tracking data. |
| 12 | X'FBDD' | Tracking data contained unrecognized response to a command. |
| 13 | X'FBDE' | Invalid bid status. |
| 14 | X'FBDF' | DFHZGDA called with TCTTE in incorrect state. This is a known state for which the session cannot be recovered.
X'FBDF' DFHZGDA called with TCTTE in incorrect state. |
| 15 | X'FBE0' | DFHZGDA called with invalid parameters. |
| 16 | X'FBE1' | The last flow was a signal and the session state cannot be determined. |
| 17 | X'FBE2' | Transaction CLS2 was running when CICS terminated.
This is a known state for which the session cannot be recovered. |

- | | | |
|----|---------|---|
| 18 | X'FBE3' | Bind security processing was incomplete when CICS terminated.
This is a known state for which the session cannot be recovered. |
| 19 | X'FBE4' | Error response received during recovery.
A dump will have been taken when the error occurred. |
| 20 | X'FBE5' | TCTTE could not be reset to correct CA/CS mode. |
| 21 | X'FBE6' | Invalid address in tracking data received from VTAM. |
| 22 | X'FBE7' | Domain call to DFHZGDA failed. |
| 23 | X'FBFD' | Reject attach processing failed. |
| 24 | X'FBE8' | Bind had not completed when CICS terminated.
This is a known state for which the session cannot be recovered. |
| 25 | X'FBEA' | After an inbound BIS flow the state of the session could not be determined.
This is a known state for which the session cannot be recovered. |

System Action: An AP exception trace with a point ID is issued. The state of the session after the restart cannot be determined, and the session is terminated in order to reset the states. The session is restarted. A system dump is produced for all instances except 05, 14, 16, 17, 18, 19, 24 and 25.

User Response: If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZXPS

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZXPS, 2=DFHZXPS, 3=DFHZXPS, 4=DFHZXPS, 5=DFHZXPS, 6=DFHZXPS, 7=DFHZXPS, 8=DFHZXPS, 9=DFHZXPS, 10=DFHZXPS, 11=DFHZXPS, 12=DFHZXPS, 13=DFHZXPS, 14=DFHZXPS, 15=DFHZXPS, 16=DFHZXPS, 17=DFHZXPS, 18=DFHZXPS, 19=DFHZXPS, 20=DFHZXPS, 21=DFHZXPS, 22=DFHZXPS, 23=DFHZXPS, 24=DFHZXPS}*

DFHZC0156 *date time applid sysid VTAM APPC session termid* **successfully recovered following a persistent sessions restart.** *sense ((instance) Module name: {DFHZXPS})*

Explanation: CICS has restored the VTAM APPC persisting session for *sysid termid* following a persistent sessions restart.

The equivalent message for non-APPC sessions is DFHZC0146. Note that the RECOVNOTIFY option which applies to message DFHZC0146 is not applicable to APPC sessions.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZXPS

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZXPS, 2=DFHZXPS}*

DFHZC0160 *date time applid tranid* **CNOS changes for modename modename to node netname connection sysid are incomplete.**

Explanation: CICS has made two attempts to implement the change number of sessions (CNOS) command for the modename *modename* on the APPC connection *sysid*. The command was not successful because of other activity on the modegroup. This only happens on modegroups which are very busy. The state of one or more of the sessions has changed during the processing of the CNOS request.

The CNOS command results from a connection acquire, a connection release, or a request for a specific modename on this system or the connected system. If the connected system is not CICS, commands specific to that system may have been used.

System Action: The modegroup is left in the state reached after the second attempt to implement the changes.

User Response: Use the CEMT INQUIRE MODENAME command to determine the current state of the modegroup. The command may show the modegroup as you expect for successful CNOS completion. This is because the command only shows data for available and active sessions. CICS may have had problems with CNOS values for loser sessions, which would not be apparent by using CEMT. If the values are not as required, re-issue the original command.

Destination: CSNE

Module: DFHZGCA

XMEOUT Parameters: *date, time, applid, tranid, modename, netname, sysid*

DFHZC0161 *date time applid tranid* **CNOS command for modename modename to node netname connection sysid has failed with code X'code'.**

Explanation: CICS has encountered an error while attempting to execute a change number of sessions (CNOS) command for the modename *modename* on the APPC connection *sysid*. The failure code X'code' is one of the following:

- X'FBA2'** The request to create a lock manager lock for *modename* failed.
- X'FBA3'** CICS could not allocate a session for the CNOS negotiation conversation.
- X'FBA6'** The request to obtain a lock manager lock for *modename* failed.
- X'FBAA'** *modename* was not found or has been defined with one of the reserved names SNASVCMG or CPSVCMG.
- X'FBAB'** *sysid* is known, but not as a connection.
- X'FBAC'** The specified connection *sysid* has no modegroups. This is probably caused by a storage overwrite.
- X'FBAD'** The first modegroup on the specified connection *sysid* has no sessions. This is probably caused by a storage overwrite.
- X'FBAF'** The receive command for the CNOS reply failed.
- X'FBB1'** The send command for the CNOS command or CNOS reply failed.
- X'FBB2'** The session for the single-session connection could not be found. This is probably caused by a storage overwrite.
- X'FBB3'** *sysid* is not a known connection name.

X'FBB4' The connection is defined to CICS as not supporting CNOS. This is probably caused by a storage overwrite.

System Action: CICS makes an exception trace with ID AP xxxx; where xxxx is the code in the message. CICS takes a system dump for all failure codes except X'FBA2', X'FBA3', X'FBA6', X'FBAF', and X'FBB1'. CICS continues without completing the request. The task does not abend. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This depends on the error code as follows:

- X'FBA2'** Follow the guidance given for the lock manager console message that precedes this.
- X'FBA3'** If all the sessions are busy, make one available and retry.
- X'FBA6'** Follow the guidance given for the lock manager message that precedes this.
- X'FBAA'** Reissue the request with the correct modename.
- X'FBAB'** Reissue the request with the correct connection name.
- X'FBAC'** See the *CICS/ESA Problem Determination Guide* for further guidance on storage problems.
- X'FBAD'** Same as for X'FBAC'.
- X'FBAF'** The connected system, or the link to it, has failed. Determine the reason for this from any other messages produced.
- X'FBB1'** Same as for X'FBAF'.
- X'FBB2'** Same as for X'FBAC'.
- X'FBB3'** Reissue the request with the correct connection name.
- X'FBB4'** Same as for X'FBAC'.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: *date, time, applid, tranid, modename, netname, sysid, X'code'*

DFHZC0162 *date time applid tranid* **CNOS transaction for connection sysid has failed with code X'code' subcode X'subcode'.**

Explanation: The change number of sessions (CNOS) transaction program DFHZLS1 could not complete successfully. The error code X'code' is one of the following:

- X'FB92'** The transaction was not started as an IC request with data or by an attach flow from a connected system. The insert *subcode* is the start code from XMIQ_START_CODE.
- X'FB93'** The transaction was started with data, but no data was found.
- X'FB94'** The transaction was started with data, but the data was not in the form of the correct parameter list.
- X'FB95'** The transaction was started with the correct format parameter list, but the function code was invalid.
- X'FB96'** The transaction was started by an attach from a connected system but there was no CNOS data.
- X'FB97'** The transaction was started by an attach from a connected system but the associated data was not a CNOS command.

System Action: CICS produces an exception trace, and except for in the case of an invalid start, a system dump is taken. The task terminates. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This depends on the error code as follows:

- X'FB92'** The transaction was probably started by entering the transaction ID at a terminal. This is not allowed.
- X'FB93'** Analyze the dump to determine why IC could not find the data.
- X'FB94'** Analyze the dump to determine what the data was.
- X'FB95'** Analyze the dump to determine what the data was.
- X'FB96'** Analyze the dump to determine why no data was available.
- X'FB97'** Analyze the dump to determine why the correct data was not sent with the attach.

Destination: CSNE

Module: DFHZLS1

XMEOUT Parameters: *date, time, applid, tranid, sysid, X'code', X'subcode'*

DFHZC0170I *applid* CICS registered successfully to VTAM generic resource name *grname*.

Explanation: CICS has registered as a VTAM generic resource in the group *grname*.

System Action: CICS continues. It is now possible to log on using the generic resource name.

User Response: None.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname*

DFHZC0171 *applid* CICS registration as a VTAM generic resource in the group *grname* failed. VTAM return code: *X'rc'*. FDB2: *X'fd'*.

Explanation: CICS failed to register as a VTAM generic resource in the group *grname*.

VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the SETLOGON OPTCD=GNAMEADD macro.

System Action:

An AP exception trace entry is output with trace point FB8E.

CICS continues without generic resource support.

User Response: Use the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct the problem.

When the problem has been corrected a further attempt may be made to register CICS as a generic resource by closing and reopening the VTAM ACB.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname, X'rc', X'fd'*

DFHZC0172I *applid* CICS deregistered successfully from VTAM generic resource name *grname* prior to ACB closure.

Explanation: CICS has deregistered from VTAM generic resource group *grname*.

System Action: CICS continues ACB shutdown.

User Response: None.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname*

DFHZC0173 *applid* CICS deregistration from VTAM generic resource name *grname* failed. VTAM return code: *X'rc'*. FDB2: *X'fd'*.

Explanation: CICS failed to deregister from VTAM generic resource group *grname* during shutdown.

VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the SETLOGON OPTCD=GNAMEDEL macro.

This may be due to a hardware failure in another part of the sysplex or to corruption of the TCT prefix causing CICS to attempt to deregister with the wrong name.

System Action: An AP exception trace entry is output with a trace point of *X'FB8E'*.

CICS continues ACB shutdown. VTAM removes CICS as a member for the generic resource name when the ACB is closed.

User Response: Use the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2. Normally no further action is necessary.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname, X'rc', X'fd'*

DFHZC0174 *applid* Control block initialization has failed. Generic resource registration or deregistration will not be attempted. Return codes *r15,r0*.

Explanation: A call to a VTAM macro to initialize the node initialization block (NIB) before registering or deregistering as a VTAM generic resource has failed.

A possible explanation is that the wrong level of VTAM is being used.

System Action: The values of register 15 and register 0 returned by VTAM are output.

An exception trace is output with trace point *X'FBED'*.

If registration was about to be attempted CICS continues without generic resource support.

If deregistration was about to be attempted, ACB shutdown continues. VTAM removes CICS as a member for the generic resource name when the ACB is closed.

User Response: Use the *VTAM Programming Manual* to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, r15, r0*

DFHZC0175 *applid* A value was specified for GRNAME but the assemble time or run time VTAM does not support generic resource registration.

Explanation: A value was specified for the GRNAME system initialization parameter. This indicates that CICS is to register as a VTAM generic resource. However, either DFHTCTxx was assembled against a release of VTAM that cannot support generic resource registration, or CICS is running on a VTAM earlier than release 4 version 2.

System Action: CICS sets the generic resource name to blanks and continues without attempting generic resource registration.

User Response: If you are running with ACF/VTAM Release 4 Version 2 or higher, reassemble the TCT against this level of VTAM in order to take advantage of CICS support for generic resource registration.

To prevent this message being issued when using an earlier release of VTAM, do not specify a value for the GRNAME system initialization parameter.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0199 CICS/ESA has recovered after a system failure. Execute recovery procedures. { *Already signed on. | Please sign on.* }

Explanation: This message is sent to a terminal when the associated VTAM session is successfully recovered following a persistent sessions restart of CICS.

This is the default message issued by CICS/ESA if RECOVNOTIFY(MESSAGE) is specified on the TYPETERM for a device (see the *CICS/ESA Resource Definition Guide*), or in the node error program (see the *CICS/ESA Customization Guide*). If RECOVNOTIFY(MESSAGE) is used, it is recommended that the CICS supplied sample mapset DFHXMSG be tailored to meet the installation recovery requirements.

System Action: Processing continues.

User Response: Sign on if required, and take any recovery actions required.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHZNAC

DFHZC0200 *applid* An attempt by the COVR transaction to OPEN VTAM has failed with return code *X'retcode*; CICS will retry.

Explanation: The COVR transaction has attempted an EXEC CICS SET VTAM OPEN, but the operation failed with the return code *retcode* from the OPEN ACB.

System Action: CICS continues. The COVR transaction retries the operation every 5 seconds. This message is reissued every minute until the operation succeeds, or until 10 minutes has passed, in which case message DFHZC0201 is issued.

User Response: Investigate the reason for VTAM being unavailable. See the *VTAM Programming* manual for an explanation of the ACB return code.

Destination: Console

Module: DFHZCOVR

XMEOUT Parameters: *applid, X'retcode'*

DFHZC0201 *applid* An attempt by the COVR transaction to OPEN VTAM has failed with return code *X'retcode*; the COVR transaction will terminate.

Explanation: The COVR transaction has repeatedly attempted an EXEC CICS SET VTAM OPEN, but the operations have failed. The OPEN ACB has issued the return code *retcode*.

System Action: CICS continues. The COVR transaction terminates and the SET VTAM OPEN is not retried.

User Response: Investigate the reason for VTAM being unavailable. See the *VTAM Programming* manual for an explanation of the ACB return code.

Destination: Console

Module: DFHZCOVR

XMEOUT Parameters: *applid, X'retcode'*

DFHZC2102 *I date time applid* Intersystem session recovery. Data base changes found to be synchronized. Original failure details: *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid* ((*instance*) Module name {DFHZRSY | DFHZSCX | DFHZSEX})

Explanation: Intersystem session recovery has been successful. An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow up to message DFHZN2101, which may have been issued at the time of the failure. This happens if the session failed at a critical time during syncpoint processing.

This message may also be issued during syncpoint processing when there are pending unit of recovery descriptors (URDs) which are awaiting the next inbound flow on the session.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2103 *E date time applid* Intersystem session recovery. Data base changes found to be out of sync. Original failure details: *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid* ((*instance*) Module name {DFHZRSY | DFHZSCX | DFHZSEX})

Explanation: This message is issued as a follow-up to message DFHZN2101. The original failure information provides a cross-reference.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the local and remote databases.

Destination: CSNE

DFHZC2104 E

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2104 E *date time applid* Intersystem session recovery error when data base changes may be out of sync. **Original failure details:** *time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid ((instance) Module name {DFHZRSY | DFHZSCX | DFHZSEX})*

Explanation: This message is issued as a follow-up to message DFHZN2101 when the system has been unable to discover whether database changes are out of synchronization during session recovery.

System Action: Processing continues.

User Response: Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Destination: CSNE

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2106 E *date time applid* Intersystem session recovery. suspended changes now being committed. **Original failure details:** *Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid ((instance) Module name {DFHZRSY | DFHZSCX | DFHZSEX})*

Explanation: This is an informatory message issued during intersystem session recovery as a follow-up to message DFHZN2105. It has now been established that the remote system completed the sync point, so the local changes are being committed accordingly.

System Action: The system commits local changes and unlocks.

User Response: None.

Destination: CSNE

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2107 E *date time applid* Intersystem session recovery. Suspended changes now being backed out. **Original failure details:** *Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid ((instance) Module name {DFHZRSY | DFHZSCX | DFHZSEX})*

Explanation: This message is issued at intersystem session recovery as a follow-up to message DFHZN2105. It has now been

established that the remote system *sysid* did not complete the unit of work. Local changes are being backed out accordingly.

System Action: The system backs out local changes and unlocks.

User Response: If required, restart the interrupted transaction *tranid*.

Destination: CSNE

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2108 E *date time applid* Intersystem session recovery. Error while local recoverable changes are suspended. **Original failure details:** *Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid ((instance) Module name {DFHZRSY | DFHZSCX | DFHZSEX})*

Explanation: This message is issued at intersystem session recovery as a follow-up to message DFHZN2105. Resynchronization has failed, therefore it still cannot be established whether the remote system *sysid* committed or backed out.

System Action:

- The locks on the suspended changes are released to allow access by a user transaction
- Any associated suspended start commands are canceled to prevent premature action.

User Response: Examine the data to see whether the local and remote changes made by the interrupted transaction took effect. Make any changes required to restore consistency.

Destination: CSNE

Modules: DFHZRSY, DFHZSEX, DFHZSCX

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSEX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX}*

DFHZC2114 E *date time applid termid tranid* A SEND response failed during receive-any processing. *sense ((instance) Module name: {DFHZRAC})*

Explanation: A SEND response issued on a receive-any RPL failed, or was not accepted by VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: A subsequent message in the log indicates the reasons for the failure. Refer to this message for further information and guidance.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2115 *applid termid* Potential CICS hang detected following a SEND to node *netname*, CID *X'cid'*. Investigation is required. ((*instance*) Module name: {DFHZRAC})

Explanation: CICS has issued a VTAM SEND macro to send a response but no notification has been received that the response has completed. Until this SEND operation completes, one of the limited number of receive-any RPLs remains unusable (the number of receive-any RPLs is defined by the RAPOOL system initialization parameter).

This is a serious condition. If all the receive-any RPLs become unusable in this way, CICS is unable to accept any new requests from VTAM. Similarly, a reduction in the number of available receive-any RPLs can adversely affect terminal performance and transaction throughput.

Additionally, while the RPL is hanging, a normal CICS shutdown might be unable to complete.

The CID is the 32-bit VTAM communication identifier which was assigned when the session was established.

System Action: CICS continues to monitor for the SEND operation to complete. Until this happens, CICS reissues this message at approximately three minute intervals.

User Response: This problem is usually caused by a failure in the network which stops the SEND completing. Check the session and the associated logical unit to ensure that there is no error condition which stops VTAM completing the SEND request.

Destination: Console

Module: DFHZRAC

XMEOUT Parameters: *applid, termid, netname, X'cid', instance, {1=DFHZRAC}*

+ **DFHZC2117** *date time applid termid tranid* Data received on pipeline session exceeds RAIA size. ((*instance*) Module name: {DFHZRAC})

+ APAR PN92303

+ **Explanation:** CICS has received data on a pipeline session which is larger than the initial I/O area allocated for the receive-any RPL. The size of the receive-any input area (RAIA) is specified on the RAMAX system initialization parameter.

+ **System Action:** CICS ends the session which sent the data, and marks it out of service. CICS will also attempt to terminate abnormally any running transactions which were initiated from this session.

+ **User Response:** Increase the value of the RAMAX system initialization parameter so that it is at least equal to the largest RUSIZE (from the CINIT) specified for a pipeline session.

+ **Destination:** CSNE

+ **Module:** DFHZRAC

+ **XMEOUT Parameters:** *date, time, applid, termid, tranid, instance, {1=DFHZRAC}*

APAR PQ15635

New Message DFHZC2118

DFHZC2118 *applid* Receive Any stall for netname *netname*.

Explanation: All the CICS Receive Any RPLs have been posted # but the TCTTE for each one is waiting for a response from a VTAM # terminal or session. All the Receive Any RPLs have been stalled # for 10 dispatches of the TCP task (CSTP). This message is # produced for each session that is in this situation. A VTAM session # has not responded to a command such as BID or SHUTD sent by # CICS. This is typically caused by a protocol error.

System Action: CICS is NOT running with system initialization # parameter RAPOOL=(n,n,FORCE) so CICS VTAM activity is held # up until one of the commands completes.

User Response:

Issue the VTAM command V NET,INACT,ID=*netname*,I for one or # more of the sessions indicated by *netname*, to try and free a # Receive Any RPL. Note - if the sessions are LU6.2 then the above # command will inactivate the partner APPLID to VTAM.

Investigate why the CICS terminal control commands that have # caused the stall have not completed. If this is due to a protocol # error from the partner or device, attempt to get the protocol error # corrected.

Consider increasing the number of Receive Any RPLs specified in # the RAPOOL System Initialization parameter. For instance, if you # were using the old default of 2, increase this to the new default of # 50.

If you still get this message after changing the RAPOOL value # consider running CICS with system initialization parameter # RAPOOL=(n,n,FORCE), which attempts to issue CLSDST for all # the offending sessions or terminals and to re-issue the Receive Any # RPLs.

Destination: Console

Module: DFHZRAC

XMEOUT Parameters: *applid, netname*

DFHZC2300 *applid* Recovery action requested for connection *sysid*.

Explanation: The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCALLL indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC2301 may follow indicating that the connection has recovered.

System Action: CICS cancels all transactions which have outstanding queued requests to use the connection.

User Response: Investigate the cause of the poor performance of the connection. Check the availability and condition of the connected system.

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid*

DFHZC2301I *applid* Connection *sysid* operating normally following recovery action.

Explanation: Message DFHZC2300 has been issued for this connection. The connection has now recovered and is operating normally.

System Action: Processing continues.

User Response: None

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid*

DFHZC2302 *applid* SETLOGON start command rejected

Explanation: CICS issues the SETLOGON START command after a successful OPEN VTAM ACB. The SETLOGON START command is rejected in the following cases:

- The CICS OPEN VTAM ACB was successful, but VTAM subsequently terminated abnormally, or
- The CICS OPEN VTAM ACB was successful, but insufficient system storage was available to satisfy the SETLOGON START command, or
- The CICS OPEN VTAM ACB was successful, but VTAM was subsequently terminated by a VTAM HALT QUICK command.

System Action: If the error occurs during CICS initialization, CICS abnormally terminates with a U2302 abend and a system dump.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS terminates the task abnormally with abend code ATC2 and a transaction dump, and the VTAM ACB is closed.

User Response: The VTAM return code can be found in RTNCD-FDBK2 in the first RPL in the RA pool addressed from TCTVRVRA in the system dump or the transaction dump.

Use the *VTAM Programming* manual, (SC23-0115-3), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS (for abend U2302) or follow the suggestions documented for abend ATC2.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC2303 *applid* No storage available when initiating RECEIVE-ANY's. Code: *X'code'*

Explanation: While trying to acquire receive-any I/O areas, the SETLOGON START VTAM command found that storage was not available.

System Action: CICS terminates with a dump. An exception entry *code* is made in the trace table.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

Message DFHZC0133 is issued.

User Response: Reduce the size of the RAMAX value in the system initialization table (SIT).

For further information, see the *CICS/ESA Performance Guide*.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'code'*

DFHZC2304 *applid* RECEIVE-ANY command rejected. Code: *X'code'*

Explanation: This message is issued when the ACB has been opened either during initialization or dynamic open. DFHZGRP was initiating the VTAM RECEIVE-ANYs but VTAM was short on storage or the VTAM HALT QUICK command was issued.

System Action: An exception entry *code* is made in the trace table.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the error occurs during CICS initialization, CICS issues message DFHZC0133 and terminates.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS closes the VTAM ACB.

User Response: The VTAM return code can be found in RTNCD-FDBK2 in the RPL, which is either in the exception trace entry *code*, or in the RA pool addressed from TCTVRVRA in the system dump.

Use the *VTAM Programming* manual, (SC31-6436), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS or reopen the VTAM ACB.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'code'*

DFHZC2305I *applid* Termination of VTAM sessions beginning

Explanation: Either CICS or VTAM is being terminated, or a dynamic close of the VTAM ACB has been requested.

System Action: All CICS-VTAM sessions are closed and the ACB is closed. If termination is not orderly, active transactions are abnormally terminated.

User Response: When VTAM is active, communication may be resumed by using the master terminal operator command CEMT SET VTAM OPEN.

Destination: Console

Module: DFHZSHU

XMEOUT Parameter: *applid*

DFHZC2307 *applid* CICS VTAM ABNORMALLY QUIESCING (*modname*).

Explanation: An RPL request has completed without a TCTTE token, for other than a VTAM storage shortage.

System Action: CICS performs a FORCECLOSE of the ACB.

CICS may produce this message twice as both module DFHZRAC and module DFHZSYX may detect the condition.

User Response: When VTAM has been restarted, issue a CEMT SET VTAM OPEN.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHZRAC, DFHZSYX

DFHZC2308 *applid* TCP Task WAIT failed. Unexpected response from DSSR WAIT_OLDW call (RESPONSE X'xx', REASON X'yy').

Explanation: The TCP task wait has failed. The TCP dispatcher module, DFHZDSP, has received an unexpected response, with response code X'xx' and reason code X'yy' from the DSSR WAIT_OLDW call.

System Action: CICS abends with abend U1800 and a system dump is produced.

User Response: Determine the cause of the TCP task wait failure. Investigate the dump in conjunction with any other accompanying error messages or exception trace entries which may have been issued by dispatcher domain.

Destination: Console

Module: DFHZDSP

XMEOUT Parameters: *applid, X'xx', X'yy'*

DFHZC2309 *applid* Recovery action requested for connection *sysid* using mode group *modename*.

Explanation: The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLM indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC2310 may follow indicating that the mode group has recovered.

System Action: CICS cancels all transactions which have outstanding queued requests to use this mode group.

User Response: Investigate the cause of the poor performance of the mode group. Check the availability and condition of the connected system.

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid, modename*

DFHZC2310 *applid* Connection *sysid* using mode group *modename* operating normally following recovery action.

Explanation: Message DFHZC2309 has been issued for this mode group. The mode group has now recovered and is operating normally.

System Action: Processing continues.

User Response: None

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid, modename*

DFHZC2312 *** WELCOME TO CICS/ESA ***

Explanation: This is the CICS default good morning message for VTAM LUs. It is displayed unless an alternative GMTEXT has been specified as a system initialization parameter, or the typeterm definition logon message (LOGONMSG) has been set to NO.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHSIT

DFHZC2316 *applid* VTAM ACB is closed

Explanation: CICS and VTAM have been disconnected. This may be because:

- CICS is terminating, or
- VTAM is terminating, or
- The CICS master terminal operator has issued
CLOSE,VTAM[,IMMED].

System Action: The VTAM ACB is closed.

User Response: If VTAM has not terminated, connection with VTAM can be reestablished by using master terminal operator commands.

Destination: Console

Module: DFHZSHU

XMEOUT Parameter: *applid*

DFHZC2318 *applid* The autoinstall user program *progrname* is not enabled. Module *modname*.

Explanation: While opening the VTAM ACB, CICS found that no installed program definition exists for the autoinstall user-program *progrname* specified in the SIT.

System Action: Other processing continues.

User Response: If you want to use autoinstall, produce an installed program definition for the autoinstall user-program *progrname* specified in the SIT.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, progrname, modname*

DFHZC2319 *applid* Unable to close VTAM ACB RC=xx error code=yy

Explanation: The VTAM ACB CLOSE request failed.

System Action: CICS continues as if the ACB is closed. (It is not really closed.)

User Response: Refer to the *VTAM Programming* manual for an explanation of the return and error codes.

The return code *xx* is the VTAM return code in Register 15. The error code *yy* is the ACB error flag 'ACBERFLG'.

Destination: Console

Module: DFHZSHU

XMEOUT Parameters: *applid, xx, yy*

DFHZC2320 CORRUPTED TCTTE ADDRESS FOUND DURING SHUTDOWN.

Explanation: A DFHTC CTYPE=LOCATE macro has returned an error indication while shutting down VTAM. This implies that the TCTTE chain has been corrupted, possibly by an overlay of the table manager control blocks.

System Action: CICS is abnormally terminated with a system dump.

User Response: Investigate the dump to determine the cause of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHZSHU

DFHZC2350A *date time applid* **CICS Terminal Control shutdown threshold (mm minutes) exceeded. Sessions still active: sesslist ((instance) Module name: {DFHZSHU})**

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. This time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter.

In the message, *mm* is the value of TCSWAIT, and *sesslist* is the VTAM network names of the first 10 (if there are that many) hung VTAM terminals.

System Action: CICS issues this message to both the CSNE transient data queue and the operating system console. This message is issued to the operating system console with an MVS write to operator (WTO) message descriptor code of 2. This means that the message is held by the operating system (that is, it does not roll off the screen) until the operator deletes it. For each hung VTAM session, message DFHZC2351 is also issued. DFHZC2351 gives further details of the session and is issued only to the CSNE transient data queue. CICS may attempt a FORCECLOSE on the session (see message DFHZC2351 for further details) but otherwise CICS terminal control shutdown continues as normal.

This message, DFHZC2350, is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation's DFHZNEP (node error program). Note however that DFHZC2351 is processed by DFHZNAC and may be intercepted by the installation's DFHZNEP.

User Response: Note the message, then delete it from the operating system console using the MVS CONTROL E (or K E) system command. See message DFHZC2351 for further guidance.

Destination: Console and Transient Data Queue CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, mm, sesslist, instance, {1=DFHZSHU}*

DFHZC2351 *date time applid termid netname* **Session still active after TC shutdown threshold expired. Reason: {01 Request in progress | 02 Task still active | 03 Waiting for SHUTC | 04 Waiting for BIS | 05 Waiting for UNBIND | 06 Waiting for RTR | 07 BID in progress | 08 Other TC work pending | 99 Undetermined} sense ((instance) Module name: {DFHZSHU})**

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. The time period,

the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for each VTAM terminal that is still active (not shut down) after the time period has expired.

In the message *termid* and *netname* are respectively, the CICS terminal identifier, and the VTAM network name of the hung terminal. One of the following is also included in the message to indicate the reason for the hang:

- 01 Request in progress
- 02 Task still active
- 03 Waiting for SHUTC
- 04 Waiting for BIS
- 05 Waiting for UNBIND
- 06 Waiting for RTR
- 07 BID in progress
- 08 Other TC work pending
- 99 Undetermined

System Action: CICS may attempt a FORCECLOSE on the session but otherwise CICS terminal control shutdown continues normally. Whether CICS attempts a FORCECLOSE depends upon:

- The coding of the TCSACTN system initialization parameter, and
- How the installation's DFHZNEP (node error program) handles this condition.

If either of the following conditions is true:

- TCSACTN=UNBIND, and this action is not changed by DFHZNEP,
- TCSACTN=NONE, and this action is changed to FORCECLOSE (UNBIND) by DFHZNEP

CICS terminal control issues a VTAM CLSDST and sends an SNA UNBIND command. If neither of the conditions is true, no special action is taken.

Note: CLSDST is not guaranteed to work in all circumstances.

The first 10 terminals (if there are that many) reported by this message are also included in message DFHZC2350.

User Response: Check the state of the terminal. Check whether the associated DFHZC3437 message includes CLSDST. If DFHZC3437 does not include CLSDST, or it does but the CLSDST still fails to complete, take appropriate action outside of CICS to shut down the terminal.

If after a reasonable interval, terminal control shutdown still fails to complete (message DFHZC2316 is not displayed), take one of the following actions:

- FORCECLOSE the CICS/VTAM ACB.
- Perform a CICS CEMT PERFORM SHUTDOWN IMMEDIATE.
- Cancel the CICS job from the operating system console.

Warning: Do not perform one of these actions unless there are no other suitable actions to take.

The reason why the terminal does not shutdown is more likely to be a problem with the terminal device or the network, than with CICS.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization

parameter on future runs of CICS. Once CICS has initialized, TCSWAIT cannot be changed.

Destination: CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, termid, netname, {1=01 Request in progress, 2=02 Task still active, 3=03 Waiting for SHUTC, 4=04 Waiting for BIS, 5=05 Waiting for UNBIND, 6=06 Waiting for RTR, 7=07 BID in progress, 8=08 Other TC work pending, 99=99 Undetermined}, sense, instance, {1=DFHZSHU}*

DFHZC2352 *date time applid sysid netname Intersystem parallel connection still active after TC shutdown threshold expired. ((instance) Module {DFHZSHU})*.

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for the first VTAM intersystem parallel session in each connection (LU Type 6.1 and LU Type 6.2, but not LU Type 6.2 single-session APPC terminals) that is still active (not shut down) after the time period has expired.

In the message *sysid* and *netname* are respectively, the CICS system identifier and the VTAM

System Action:

CICS terminal control shutdown continues as normal. Unlike terminals (see message DFHZC2351), terminal control does not attempt a FORCECLOSE on hung parallel connections. This message is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation's DFHZNEP (node error program). Parallel connections reported by this message are not included in message DFHZC2350.

User Response: Check the state of the connection. Take appropriate action outside of this CICS system to shut down the connection.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized TCSWAIT cannot be changed.

Destination: Console and Transient Data Queue CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, sysid, netname, instance, {1=DFHZSHU}*

DFHZC2400 *E date time applid termid tranid Error not supported. sense ((instance) Module name: {DFHZSYX})*

Explanation: CICS received an unexpected error code from VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZSYX, 5=DFHZSYX, 6=DFHZSYX, 7=DFHZSYX, 8=DFHZSYX, 9=DFHZSYX, 10=DFHZSYX}*

DFHZC2401 *E date time applid termid tranid RPL Active. sense ((instance) Module name: {DFHZRVL | DFHZRVS | DFHZSDA | DFHZSDL | DFHZSDR | DFHZSDS | DFHZSES | DFHZSKR})*

Explanation: CICS attempted to request VTAM services using a request parameter list (RPL) that is currently active.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary, the transaction dump to determine the source of the error.

Destination: CSNE

Modules: DFHZRVS, DFHZSDA, DFHZSDR, DFHZSDS, DFHZSES, DFHZSDL, DFHZRVL, DFHZSKR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDA, 3=DFHZSDL, 4=DFHZSDS, 5=DFHZSES, 6=DFHZSKR, 7=DFHZRVL, 8=DFHZSDR, 9=DFHZRVL, 10=DFHZRVL, 11=DFHZRVL, 12=DFHZSDL}*

DFHZC2402 *I date time applid termid tranid netname VTAM has returned error on synchronous receive. sense ((instance) Module name: {DFHZRAS})*

Explanation: VTAM has indicated that a synchronous receive issued by DFHZRAS during receive-any slow-down processing did not complete successfully. This indicates a serious mismatch between CICS's view of the state of the session and that of VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is ignored. CICS prints the associated session TCTTE on the CSNE transient data destination. The RPL returned by VTAM is included in exception trace entry AP FCA2.

User Response: Determine from the RPL in the exception trace why VTAM raised the error.

Destination: CSNE

Module: DFHZRAS

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZRAS}*

DFHZC2403 *E date time applid termid tranid Bind failure. sense ((instance) Module name: {DFHZSYX})*

Explanation: An attempt to establish a session has failed. This could be because a physical path to the device could not be found, because the device does not exist or has been defined incorrectly, or because the device has rejected the bind.

For the meaning of the sense data, see the explanation on page 412.

If this is an LU62 or LU61 session and the partner LU has sent sense bytes of X'0835oooo' and oooo is the offset of the NETNAME in the BIND, this indicates that the partner LU was unable to find a suitable session.

If the sense bytes are X'08010000', this may mean that the partner LU has failed to autoinstall a connection.

System Action: Because communication cannot be established with a node, a VTAM CLSDST macro is issued to release any control blocks previously built, and the node could be placed out of service.

User Response: Use the VTAM sense code given in the message to determine the cause of failure. If appropriate, ensure that the node name was included in the network control program/virtual storage (NCP/VS) generation deck and investigate for a possible bad communication line.

If the sense bytes were X'0835oooo' (where oooo is the offset of the NETNAME in the BIND), the partner LU has been unable to find a suitable session. If the partner LU is CICS, look in the partner LU's log for DFHZC2411 and previous messages for the same session. This should give some indication as to why no session could be found.

If the sense bytes were X'08010000' look in the partner LU's log for message DFHZC2411 and message DFHZC69xx which should indicate the reason for failure to autoinstall a connection.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2404 E *date time applid termid tranid* **VTAM Detected Logic Error.** *sense ((instance) Module name: {DFHZLEX})*

Explanation: VTAM detected an error in a request. The request was either incomplete or not executable.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS breaks communication with the node (CLSDST), abnormally terminates any attached task, places the node out of service and produces a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all application programs running concurrently have proper addressability, thereby avoiding alteration of CICS control blocks such as the TCTTE or the RPL. If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

This message may also occur if VTAM is terminating. Under these conditions it is not a serious problem, and usually no response is necessary.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX, 2=DFHZLEX, 3=DFHZLEX, 4=DFHZLEX, 5=DFHZLEX, 6=DFHZLEX}*

DFHZC2405 E *date time applid termid tranid* **Node netname not activated.** *sense ((instance) Module name: {DFHZSIM | DFHZSIX | DFHZSYX})*

Explanation: The node was not activated, or was deactivated by the network operator.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding SEND and RECEIVE requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node, and internal LOGONS are prevented.

If this message is issued during takeover, the acquire is retried at intervals of 1, 2, 4 and 8 minutes after the first attempt. This allows time for sessions which require manual intervention before the acquire can succeed.

User Response: Use the VTAM VARY command to activate the node before using it in the network. Alternatively, for ISC with IMS, enable IMS for LOGONS.

It is possible that the node in question has previously been used as a generic APPLID (or in VTAM terms – a USERVAR). Use the VTAM operator command DISPLAY USERVAR to see if this is the case. If it is, you can use MODIFY

USERVAR,OPTION=DELETE,ID=node to delete the USERVAR.

Destination: CSNE

Modules: DFHZSYX, DFHZSIX, DFHZSIM

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSIM, 2=DFHZSIM, 3=DFHZSIM, 4=DFHZSIM, 5=DFHZSIM, 6=DFHZSYX, 7=DFHZSYX, 8=DFHZSYX, 9=DFHZSIX, 10=DFHZSYX, 11=DFHZSYX}*

DFHZC2406 E *date time applid termid tranid* **Terminate self command received.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: The logical unit (LU) has requested termination of the session.

For the meaning of the sense data, see the explanation on page 412.

System Action: The VTAM CLSDST macro is issued to stop communications with the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2407 E *date time applid termid tranid* **Permanent channel failure.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: Network Control Program/Virtual Storage (NCP/VS) was either shut down by the network operator or was abnormally terminated. Alternatively, there could have been a channel failure.

For the meaning of the sense data, see the explanation on page 412.

System Action: Since communication with the logical unit was broken, the VTAM CLSDST macro instruction is issued to release control blocks previously built by VTAM. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the supplied dump to check for a possible NCP/VS or channel problem.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2408 E *date time applid termid tranid* **Apparent VTAM Error.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: VTAM encountered an error during its own processing.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZSYX}*

DFHZC2409 I *date time applid termid tranid* **VTAM Recovered Node. LOSTERM Error Code X'xx'.** *sense ((instance) Module name: {DFHZLTX})*

Explanation: VTAM successfully reestablished communication with a node. The reason for entering the LOSTERM exit is given by *xx*, which has one of the following values:

Value	Meaning
0	Dial-disconnect on dial-in.
4	Dial-disconnect on dial-out.
0C	Deactivate immediate.
14	Unconditional terminate self.
1C	Segmenting error.
20	Conditional terminate self.
24	BUFLIM value exceeded.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS reestablishes communication and places the node in service.

User Response: None.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: *date, time, applid, termid, tranid, X'xx', sense, instance, {1=DFHZLTX, 2=DFHZLTX}*

DFHZC2410 E *date time applid termid tranid* **Node Unrecoverable. VTAM LOSTERM Error Code X'xx'.** *sense ((instance) Module name: {DFHZLTX})*

Explanation: Communication with a node was interrupted and cannot be reestablished by VTAM. The reason for entering the LOSTERM exit is given by the error code *X'xx'*.

For the meaning of the sense data, see the explanation on page 412.

System Action: The VTAM CLSDST macro is issued to release any control blocks previously built for the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: See the appropriate *VTAM Programming* manual for an explanation of the error code.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: *date, time, applid, termid, tranid, X'xx', sense, instance, {1=DFHZLTX, 2=DFHZLTX, 3=DFHZLTX, 4=DFHZLTX}*

DFHZC2411 E *date time applid termid tranid nodeid* **attempted invalid logon.** *sense ((instance) Module name: {DFHACP | DFHZATA | DFHZLGX | DFHZSCX | RESERVE})*

Explanation: Node *nodeid* attempted to log on to CICS but the logon is invalid.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance *instance* is one of the following:

- 1 No suitable TCTTE can be found, or no session TCTTE exists. The *nodeid* in the message is displayed as 'netname' followed by either eight blanks or eight dots. The reason for this is that the bind did not contain a modename.
- 2 The connection has not been acquired.
- 3 The logon would have exceeded the connection session limit.
- 4 Autoinstall is not allowed because the system is terminating.
- 5 Autoinstall is not allowed because the VTAM ACB is closing.
- 6 ISC support is not present.
- 7 Used by DFHZATA for several reasons, for example BIND bad and user exit bad.
- 8 The TCTTE address restored and the address found by NIBSEARCH do not agree.
- 9 The system is terminating.
- 10 VTAM is terminating.
- 11 An APPC BIND has been received by the SCIP exit for which no suitable TCTTE exists. Autoinstall could not proceed because the modegroup was not SNASVCMG. The request is rejected with sense 0805 0000.
- 12 RESERVED.
- 13 No address is present in the RPL.
- 14 LU6.1 cannot autoinstall.
- 15 ISC support is not present.
- 16 Modename is either not present or is the reserved name SNASVCMG.
- 17 Session is not bound.

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- | 18 Not used.
 - | 19 LU is not enabled. Typically it is an XRF alternate CICS.
 - | 20 A second CINIT with the same netname has arrived.
 - | 21 Logon rejected due to CATAabend.
- For the meaning of the sense data, see the explanation on page 412.
- If ???????? is displayed in the second half of the *nodeid* field, the BIND may contain a SESSION QUALIFIER or MODENAME with an invalid length.

+ **System Action:** The logon is rejected. If the reject is from DFHZSCX via the dummy TCTTE, an attempt is made to print the failing BIND and sense code with which it was rejected as part of the message.

| **User Response:** Use the instance number to determine why the attempted logon has been rejected and take the appropriate action.

Destination: CSNE

| **Modules:** DFHACP, DFHZATA, DFHZLGX, DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZATA, 8=DFHZLGX, 9=DFHZLGX, 10=DFHZLGX, 11=DFHZSCX, 12=RESERVE, 13=DFHZLGX, 14=DFHZLGX, 15=DFHZLGX, 16=DFHZLGX, 17=DFHZLGX, 18=DFHZLGX, 19=DFHZLGX, 20=DFHZLGX, 21=DFHACP}*

DFHZC2412 E *date time applid termid tranid* Receive any request failed. *sense ((instance))* **Module name:** {DFHZRAC}

Explanation: A receive-any request to VTAM failed. VTAM was terminated.

For the meaning of the sense data, see the explanation on page 412.

System Action: The VTAM RPL control block is logged to the CSMT log for visual inspection.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the reason why the receive-any failed. First, check to see if the VTAM RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), during problem determination.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2413 E *date time applid termid tranid nodeid* CLSDST failed. *sense ((instance))* **Module name:** {DFHACP | DFHZATA | DFHZLGX}

Explanation: A CLSDST request for the node identified by *nodeid* failed. VTAM may not have sufficient space to respond to the request.

For the meaning of the sense data, see the explanation on page 412.

System Action: No further communication with the node is initiated.

User Response: Inspect the CSNE, CSMT and CSTL logs for indication of a VTAM storage problem or error message. Also check for any messages indicating an I/O problem.

Destination: CSNE

| **Modules:** DFHACP, DFHZATA, DFHZLGX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZATA, 2=DFHZLGX, 3=DFHACP}*

DFHZC2414 E *date time applid termid tranid* Temporary VTAM Storage Problem. *sense ((instance))* **Module name:** {DFHZSYX}

Explanation: A VTAM request has failed because VTAM is short of storage.

For the meaning of the sense data, see the explanation on page 412.

System Action: The failing VTAM request is retried until VTAM is able to accept it.

User Response: Increase the VTAM working buffer storage if this condition recurs and causes problems.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2415 E *date time applid termid tranid Node netname* out of service. *sense ((instance))* **Module name:** {DFHZNAC}

Explanation: A node error condition has occurred on node *nodeid*.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS places the node out of service.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZNAC}*

DFHZC2416 E *date time applid termid tranid* VTAM is halting. *sense ((instance))* **Module name:** {DFHZSYX}

Explanation: A VTAM HALT command was entered by the network operator while a SIMLOGON or OPNDST request was in progress. The instance number indicates what type of halt was requested:

- 1 Orderly shutdown
- 2 Quick shutdown.

For the meaning of the sense data, see the explanation on page 412.

System Action: The VTAM network is quiesced to prevent further requests and the node is placed out of service.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2417 E *date time applid termid tranid* **VTAM Inactive to TCB.** *sense ((instance) Module name: {DFHZCLS | DFHZCLX | DFHZOPN | DFHZOPX | DFHZRAC | DFHZRCLP | DFHZRST | DFHZRVL | DFHZRVS | DFHZRVX | DFHZSDA | DFHZSDL | DFHZSDR | DFHZSDS | DFHZSES | DFHZSIM | DFHZSIX | DFHZSKR | DFHZSLX | DFHZSYX | DFHZTAX})*

Explanation: Either CICS has not opened its VTAM ACB or VTAM has halted.

For the meaning of the sense data, see the explanation on page 412.

System Action: The VTAM network is quiesced to prevent further requests and a dump is produced.

User Response: If VTAM was not halted by the network operator, use the supplied dump to determine the problem.

Destination: CSNE

Modules: DFHZSYX, DFHZCLS, DFHZCLX, DFHZOPN, DFHZOPX, DFHZRAC, DFHZRCLP, DFHZRST, DFHZRVL, DFHZRVS, DFHZRVX, DFHZSDL, DFHZSDR, DFHZSDS, DFHZSES, DFHZSIM, DFHZSIX, DFHZSKR, DFHZSLX, DFHZTAX, DFHZSDA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZCLS, 3=DFHZOPN, 4=DFHZRCLP, 5=DFHZRST, 6=DFHZRVS, 7=DFHZRVX, 8=DFHZSDA, 9=DFHZSDL, 10=DFHZSDS, 11=DFHZSES, 12=DFHZSIM, 13=DFHZSKR, 14=DFHZSLX, 15=DFHZRAC, 16=DFHZCLX, 17=DFHZRVL, 18=DFHZSDR, 19=DFHZSIX, 20=DFHZTAX, 21=DFHZOPX, 22=DFHZSYX}*

DFHZC2418 E *date time applid termid tranid* **Unknown command in RPL.** *sense ((instance) Module name: {DFHZSEX})*

Explanation: An unknown command was detected in the VTAM request parameter list (RPL) by the CICS SESSIONC exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A CLSDST is issued to halt communication with the node, and the node is placed out of service.

User Response: First, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSEX}*

DFHZC2419 E *date time applid termid tranid* **Unknown command in RPL.** *sense ((instance) Module name: {DFHZRAC | DFHZSLX | DFHZSSX})*

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow synchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115-3), while carrying out problem determination.

Destination: CSNE

Modules: DFHZSSX, DFHZSLX, DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSSX, 2=DFHZSLX, 3=DFHZRAC, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC}*

DFHZC2420 E *date time applid termid tranid* **Unknown command in RPL.** *sense ((instance) Module name: {DFHZSAX})*

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow asynchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSAX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSAX}*

DFHXC2421 E *date time applid termid tranid* **Unsupported command received.** *sense ((instance) Module name: {DFHXRAC | DFHXRPL | DFHXRVS})*

Explanation: An unknown command or request was detected, or the RPL contains logical unit (LU) status.

For the meaning of the sense data, see the explanation on page 412.

System Action: If an invalid command or request was detected, all outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node.

For ISC sessions, this error may be caused by specifying incompatible session types at each node. (For example, SESSIONTYPE=SEND in one node and SESSIONTYPE=FASTRECV in the other node.)

If the RPL contains logical unit (LU) status, one of the following messages is issued: DFHXC2461, DFHXC2462, DFHXC2464, DFHXC2465, or DFHXC2466.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: An invalid command or request indicates inconsistencies or errors in the definitions of the named terminals/sessions in CICS, VTAM or the connected system for LU6 sessions. Ensure that these definitions are consistent and correct for the device or session characteristics.

Destination: CSNE

Modules: DFHXRAC, DFHXRVS, DFHXRPL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHXRPL, 2=DFHXRPL, 3=DFHXRVS, 4=DFHXRVS, 5=DFHXRAC, 6=DFHXRAC, 7=DFHXRAC, 8=DFHXRAC, 9=DFHXRAC}*

DFHXC2422 E *date time applid termid tranid* **ZCP Logic Error.** *sense ((instance) Module name: {DFHXRARL | DFHXRDET | DFHXRERH | DFHXRZV1 | DFHXRZV2 | DFHXRZAC | DFHXRZOPN | DFHXRZAC | DFHXRZVS | DFHXRZSDS | DFHXRZSIM | DFHXRZSKR | DFHXRZSLX | DFHXRZSSX})*

Explanation: During terminal processing, CICS detected an invalid internal state in DFHXCZCP.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged, and the task is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to the CSMT destination for debugging purposes.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to locate the source of the error.

It may be useful to examine the debugging data printed on the CSMT log for clues about what possibly went wrong.

Destination: CSNE

Modules: DFHXRARL, DFHXRDET, DFHXRERH, DFHXRZV1, DFHXRZV2, DFHXRZOPN, DFHXRZAC, DFHXRZVS, DFHXRZSDS, DFHXRZSIM, DFHXRZSKR, DFHXRZSLX, DFHXRZAC, DFHXRZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHXRDET, 2=DFHXRZSIM, 3=DFHXRZSIM, 4=DFHXRERH, 5=DFHXRERH, 6=DFHXRERH, 7=DFHXRERH, 8=DFHXRERH, 9=DFHXRERH, 10=DFHXRERH, 11=DFHXRERH, 12=DFHXRERH, 13=DFHXRERH, 14=DFHXRZAC, 15=DFHXRERH, 16=DFHXRERH, 17=DFHXRERH, 18=DFHXRERH, 19=DFHXRZSDS, 20=DFHXRZV1, 21=DFHXRZV1, 22=DFHXRZOPN, 23=DFHXRZOPN, 24=DFHXRZVS, 25=DFHXRZVS, 26=DFHXRZSKR, 27=DFHXRZSSX, 28=DFHXRZSLX, 29=DFHXRZSLX, 30=DFHXRZAC, 31=DFHXRZAC, 32=DFHXRZAC, 33=DFHXRZAC, 34=DFHXRZAC, 35=DFHXRZAC, 36=DFHXRZAC, 37=DFHXRZAC, 38=DFHXRZAC, 39=DFHXRZARL, 40=DFHXRZARL, 41=DFHXRZV2, 42=DFHXRZV2, 43=DFHXRZAC, 44=DFHXRZAC, 45=DFHXRZOPN }*

DFHXC2423 E *date time applid termid tranid* **Attempted to send unsupported command.** *sense ((instance) Module name: {DFHXRZSDS})*

Explanation: A request to send data synchronously was incomplete. Possible reasons are as follows:

1. The TCTTE was altered.
2. A logic error was encountered.
3. The TCTTE was inadvertently placed on the send-synchronous queue.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: For reasons 1 to 3 listed above, ensure that application programs running concurrently do not alter the TCTTE.

If you suspect a logic error (2), check that the VTAM RPL has not been corrupted. If you still cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHXRZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHXRZSDS}*

DFHXC2424 E *date time applid termid tranid* **SESSIONC command request invalid.** *sense ((instance) Module name: {DFHXRSES | RESERVE})*

Explanation: A SESSIONC request is incomplete or invalid. Possible reasons are as follows:

1. The TCTTE was altered.
2. The command request bits are incomplete. DFHXRSES checks TCTTEISDT for a Start Data Traffic (SDT) command, TCTTEISTS for a Set and Test Sequence Number (STSN) command, and TCTTEICLR for a CLEAR command. If it does not find any of these, DFHXRSES causes the message to be issued.
3. The wrong request was queued to SESSIONC.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Ensure that application programs running concurrently do not alter the TCTTE.

If the TCTTE is not altered, check for conditions 2 or 3.

Destination: CSNE

Module: DFHZSES

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSES, 2=DFHZSES, 3=RESERVE}*

DFHZC2425 E *date time applid termid tranid* **ASYN command request invalid.** *sense ((instance) Module name: {DFHZSDA})*

Explanation: A request to send data asynchronously was incomplete or invalid. This condition can be caused by the TCTTE being altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Check the TCTTE. Ensure that application programs running concurrently do not alter the TCTTE.

Destination: CSNE

Module: DFHZSDA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDA, 2=DFHZSDA}*

DFHZC2426 E *date time applid termid tranid* **Node Status Error. Node is out of service or receive only.** *sense ((instance) Module name: {DFHZATT})*

Explanation: Input was received from a node identified either as output-only or as permanently out of service.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Change the terminal entry in the TCT to indicate that the node is not an output-only device. If the node is out of service, the master terminal operator should place the node back into service.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT}*

DFHZC2427 I *date time applid termid tranid* **NCP Restarted.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: Network Control Program/Virtual Storage (NCP/VS) has been restarted after failing during an OPNDST.

For the meaning of the sense data, see the explanation on page 412.

System Action: The OPNDST request is reissued.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2428 E *date time applid termid tranid* **Send DFSYN request incomplete.** *sense ((instance) Module name: {DFHZSDS})*

Explanation: A send-synchronous request was issued without indicating that either a command or data was to be sent.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary, the dump to determine the source of the error.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}*

DFHZC2429 E *date time applid termid tranid* **RESETSR request invalid RTYPE.** *sense ((instance) Module name: {DFHZRST})*

Explanation: An invalid RESETSR request was made in the VTAM macro issued by CICS. The invalid request can be because an RTYPE was not specified or was incorrectly specified, or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary the dump, to determine the source of the error.

Destination: CSNE

Module: DFHZRST

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRST, 2=DFHZRST, 3=DFHZRST}*

DFHZC2430 E *date time applid termid tranid* **Send response command request invalid.** *sense ((instance) Module name: {DFHZSDR})*

Explanation: A send-response request was invalid. Either the request did not specify the response level (DR1 or DR2), or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump and the node is placed out of service.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to determine the source of the error.

Destination: CSNE

Module: DFHZSDR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDR}*

DFHZC2431 E *date time applid termid tranid* **Request to a released node.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: CICS requested VTAM to perform a close destination for a node currently "owned" by CICS.

For the meaning of the sense data, see the explanation on page 412.

System Action: If the CICS ACB is open, all outstanding requests are purged, the task is abnormally terminated with a transaction dump if a task is attached, and the node is placed out of service. If however, the ACB is already closed, the only action taken is to place the node out of service.

User Response: If the CICS ACB is open, use the dump to determine the source of the error. Check that the TCTTE is valid.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2432 E *date time applid termid tranid* **Exception response received.** *sense ((instance) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})*

Explanation: CICS has received an exception response.

For the meaning of the sense data, see the explanation on page 412.

System Action: Another CICS message is issued in conjunction with this message.

User Response: Perform the action specified for the associated CICS message.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRVX, 6=DFHZRVX, 7=DFHZRVX, 8=DFHZSSX, 9=DFHZSSX, 10=DFHZSSX, 11=DFHZSSX, 12=DFHZRAC, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC, 16=DFHZRAC, 17=DFHZRAC, 18=DFHZRAC, 19=DFHZRAC, 20=DFHZRAC, 21=DFHZRAC, 22=DFHZRAC, 23=DFHZRAC}*

DFHZC2433 E *date time applid termid tranid nodeid* **Logon has failed because autoinstall is disabled.** *sense ((instance) Module name: {DFHZLGX | DFHZSCX})*

Explanation: Node *nodeid* attempted to log on to CICS. The logon has failed because autoinstall is disabled. Possible reasons are:

- Autoinstall system initialization parameters have been incorrectly defined.
- An error has been detected in CICS terminal attach processing.
- The system is short on storage. Autoinstall is reenabled once the SOS condition ends.

System Action: The logon is rejected.

User Response: Ensure that the value for the AIQMAX system initialization parameter is greater than zero. If an autoinstall user program has been specified for system initialization parameter AIXIT, check that the program name has been defined to CICS. See the *CICS/ESA System Definition Guide* for further information about autoinstall parameters.

If the system is short on storage, see the associated messages for further guidance.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZLGX, 3=DFHZSCX, 4=DFHZSCX}*

DFHZC2434 E *date time applid termid tranid* **Invalid copy request - Copy not supported.** *sense ((instance) Module name: {DFHZARQ})*

Explanation: A DFHTC TYPE=COPY request has been issued to a 3270 compatibility mode logical unit. The request is invalid because the 3270 COPY command is not supported by a 3270 compatibility mode logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task abends.

User Response: Change the application program to avoid issuing a COPY request.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2435 E *date time applid termid tranid RPL missing. sense ((instance) Module name: {DFHZRVS})*

Explanation: CICS issued a receive-specific request VTAM without specifying a request parameter list (RPL). This condition could result from one of the following reasons:

- An RPL was not allocated
- An RPL was allocated, but later freed
- TCTERPLA was altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A CLSDST macro is issued to terminate communication with the node.

User Response: Use the dump to determine whether the TCTTE was altered by an application program. If it was, correct the error. If the TCTTE has not been altered, check for potential RPL problems.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC2436 E *date time applid termid tranid TIOA missing. sense ((instance) Module name: {DFHZRVS | DFHZRVX})*

Explanation: The TIOA was missing while a receive-specific request was being processed. This condition could result from the TIOA being freed or TCTTEDA being altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the dump to determine if the TCTTE was altered by an application program.

Destination: CSNE

Modules: DFHZRVS, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVX, 3=DFHZRVS}*

DFHZC2437 E *date time applid termid tranid Invalid WRITE request to an input only device. sense ((instance) Module name: {DFHZSDS})*

Explanation: An output request was issued to a VTAM terminal that is defined as an input-only device. Either the TCTTETS was altered or a task that was attached issued a send request.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either ensure that the node is defined correctly in the TCTTE, or prevent the task from issuing an output request to the node.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}*

DFHZC2438 E *date time applid termid tranid Invalid READ request to an output only device. sense ((instance) Module name: {DFHZRVS | DFHZSDS})*

Explanation: An input request was issued to a VTAM terminal that is identified as an output-only device. Either the TCTTETS was altered or a task was attached that issued a read request.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either change the definition of the terminal in the TCTTE, or prevent the task from issuing input requests to the node.

Destination: CSNE

Modules: DFHZRVS, DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}*

DFHZC2439 E *date time applid termid tranid Invalid RESUME request. sense ((instance) Module name: {DFHZACT})*

Explanation: An invalid resume request was received. The CICS activate-scan function detected a resume request in a TCTTE, but the TCTTE was not part of any transaction.

For the meaning of the sense data, see the explanation on page 412.

System Action: The TCTTE is printed and logged to the CSNE destination for debugging purposes.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string to determine the cause of the problem. Check the TCTTE data printed and logged to the CSNE destination for obvious alterations and errors.

Destination: CSNE

Module: DFHZACT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZACT}*

DFHZC2440 I *date time applid termid tranid CICS quiesced by node. sense ((instance) Module name: {DFHZASX})*

Explanation: A VTAM logical unit has requested CICS to quiesce all I/O activity with that node.

For the meaning of the sense data, see the explanation on page 412.

System Action: All data transmission to the node is halted until CICS receives a release-quiesce indicator.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2441 I *date time applid termid tranid CICS released by node. sense ((instance) Module name: {DFHZASX})*

Explanation: CICS received a release-quietse indicator from a VTAM logical unit that had previously quiesced CICS.

For the meaning of the sense data, see the explanation on page 412.

System Action: Data transmission to the node is resumed by CICS.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2442 E *date time applid termid tranid Exception response received to a definite response send. sense ((instance) Module name: {DFHZRVX})*

Explanation: An exception response was received when a definite response protocol was requested.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS issues a second message in conjunction with this message that explains the reason for the exception response.

User Response: Perform the action specified for the second CICS message received.

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX}*

DFHZC2443 E *date time applid termid tranid Request outstanding when node released. sense ((instance) Module name: {DFHZRVL | DFHZRVS | DFHZSDL | DFHZSDS | DFHZSHU})*

Explanation: CICS received a request from an application program, when its node was either not in session or queued to be CLSDSTed.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding requests are ignored. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Modules: DFHZSDS, DFHZRVL, DFHZRVS, DFHZSDL, DFHZSHU

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDL, 3=DFHZSDS, 4=DFHZSDS, 5=DFHZSDS, 6=DFHZSHU, 7=DFHZSHU, 8=DFHZRVL, 9=DFHZSHU}*

DFHZC2444 E *date time applid termid tranid CICS bracket state error. sense ((instance) Module name: {DFHZRVS | DFHZSDS})*

Explanation: A CICS application program violated bracket protocol. It is possible that the application program issued an I/O request following a write (last) request.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRVS, DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}*

DFHZC2445 E *date time applid termid tranid Output area exceeded. sense ((instance) Module name: {DFHZSDS})*

Explanation: The TIOA was not large enough to hold all the output data. The application program either set up the TIOA incorrectly or it overran the TIOA.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program to acquire a larger TIOA.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2446 E *date time applid termid tranid Invalid response to a bid. sense ((instance) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})*

Explanation: An invalid response was received for a bid request. A normal response was received in response to a bid indicator while the transaction was in bracket state. The controller application program is in error.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro instruction, and the node is placed out of service.

User Response: Correct the controller application program to return an exception response to a bid indicator when in the bracket state, followed by a ready-to-receive indicator when ready to honor the bid.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZSSX, 3=DFHZRAC}*

DFHZC2447 E *date time applid termid tranid* **A severe error has occurred as a result of a previous failure.** *sense ((instance) Module name: {DFHZACT | DFHZFRE | DFHZGET | DFHZOPN | DFHZRAC | DFHZRLP | DFHZRVS | DFHZSDA})*

Explanation: A domain call failed and the response could not be handled by module *modname* because of a previous failure. The domain concerned should have issued a message to the console which gives further information about the failure.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests for terminal *termid* are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal *termid* is placed out of service and the TCTTE is logged to the CSNE destination.

User Response: Refer to the message issued by the domain that is in error. It indicates the source of the original error.

Destination: CSNE

Modules: DFHZRAC, DFHZRVS, DFHZSDA, DFHZOPN, DFHZFRE, DFHZRLP, DFHZACT, DFHZGET

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPN, 2=DFHZRVS, 3=DFHZSDA, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZOPN, 7=DFHZOPN, 8=DFHZFRE, 9=DFHZRLP, 10=DFHZACT, 11=DFHZGET}*

DFHZC2448 E *date time applid termid tranid* **Invalid response requested.** *sense ((instance) Module name: {DFHZRAC | DFHZRVX})*

Explanation: An invalid response was requested. An application program transmitted data to CICS without requesting a response from CICS.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC2449 E *date time applid termid tranid* **Bracket Error.** *sense ((instance) Module name: {DFHZRAC | DFHZRVX})*

Explanation: The application program either sent a begin-bracket indicator while the transaction was in bracket state, or sent an end-bracket indicator.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRAC, 4=DFHZRAC}*

DFHZC2450 E *date time applid termid tranid* **Bid issued but ATI cancelled.** *sense ((instance) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})*

Explanation: An automatic task initiation (ATI) request was issued without an ATI pending for that terminal.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS will satisfy the BB pending condition by sending a standalone BB-EB.

User Response: If ATI is time-initiated, increase the timer value.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZSSX, 5=DFHZSSX, 6=DFHZSSX, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC}*

DFHZC2451 E *date time applid termid tranid* **Outstanding request when clear was issued.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: A request was outstanding when clear was issued. A receive-specific request was pending when a clear indicator was issued. A clear indicator is sent when any of the following occurs:

- The logical unit is lost (LOSTERM).
- CICS issues a VTAM CLSDST macro.
- CICS issues the clear during message resynchronization.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2452 E *date time applid termid tranid* **Invalid command received.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: CICS received an invalid command (VTAM indicator). The CICS session-control input exit-routine (SCIP) encountered an indicator other than request-recovery. This routine should be scheduled only when a request-recovery indicator is received from the controller application program.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated and the node is placed out of service.

User Response: Check the VTAM RPL for obvious errors. Use the dump to help determine the source of the problem.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC2453 E *date time applid termid tranid* **Request recovery received.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: A request for recovery was received. The secondary logical unit requested message resynchronization by sending a request-recovery indicator, but a message sequence number is inconsistent with the sequence number maintained by the 3601 application program.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message resynchronization is then initiated by CICS.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC2454 E *date time applid termid tranid* **Exception in chain.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: An exception response was returned on a POST=RESP chain-data send. CICS normally does not send chained data using POST=RESP.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2455 E *date time applid termid tranid* **In CA mode - Task attached.** *sense ((instance) Module name: {DFHZATT})*

Explanation: An attempt to attach a task to a logical unit (LU) was made, despite the task being in continue-any (CA) mode. However, terminal *termid* already had a task attached to it.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task that is already attached to terminal *termid* is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem. Communication with the node is terminated by issuing the VTAM CLSDST macro. CICS then reestablishes communication with the node by issuing the SIMLOGON macro.

User Response: Use the symptom string, and if necessary the dump, to determine the source of the error. Try to determine why there was an attempt to attach a task to terminal *termid* while it already had a task attached to it.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT}*

DFHZC2456 E *date time applid termid tranid* **Exception response received to a command.** *sense ((instance) Module name: {DFHZRAC | DFHZSYX})*

Explanation: CICS received an exception response to a command (VTAM indicator) that it sent to a logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE

Modules: DFHZSYX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC}*

DFHZC2457 E *date time applid termid tranid* **Multiple Errors Encountered.** *sense ((instance) Module name: {DFHZEMW | DFHZRAC | DFHZSYX})*

Explanation: A node encountered consecutive errors. That is, the node abnormal condition program, NACP, encountered a second error while processing the first error.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro. The first error is accompanied by an error message.

User Response: Use the dump to determine the source of the errors. Refer to the error message produced by the first problem and to any VTAM messages that may have been issued.

Destination: CSNE

Modules: DFHZRAC, DFHZSYX, DFHZEMW

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEMW, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC, 5=DFHZRAC}*

DFHZC2458 E *date time applid termid tranid* **Exception response received to an exception response send.** *sense ((instance) Module name: {DFHZRAC | DFHZRVX})*

Explanation: CICS received an exception response to a send for which an exception response was requested.

For the meaning of the sense data, see the explanation on page 412.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRAC, 12=DFHZRAC}*

DFHZC2459 E *date time applid termid traid* **No TIOA available for send.** *sense ((instance) Module name: {DFHZSDS})*

Explanation: TCTTEDA was not loaded before issuing a DFHTC TYPE=WRITE, or it was inadvertently cleared.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The send is purged.

User Response: Ensure that TCTTEDA is loaded with the TIOA address before issuing the write.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2460 E *date time applid termid traid* **Sense receive not supported.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: Sense codes not supported by CICS were received from the logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: The user's node error program (DFHZNEP) can process the sense codes.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZNAC}*

DFHZC2461 E *date time applid termid traid* **Intervention required.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: Operator action is requested for a physical component of terminal *termid* before a request can be completed.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is retried, unless the device is one that sends a logical unit status message after intervention is required. In the latter case, the relevant system action is taken.

User Response: Correct the problem with the device.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZNAC}*

DFHZC2462 E *date time applid termid traid* **Bracket Error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The secondary logical unit and CICS both sent a begin-bracket indicator concurrently.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro.

User Response: Correct the controller application program so that it cannot send a begin-bracket indicator.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZNAC}*

DFHZC2463 E *date time applid termid traid* **Node nodeid resource pending deletion, connection request rejected.** *sense ((instance) Module name: {DFHZSCX | DFHZLGX})*

+
+ sense ((instance) Module name: {DFHZSCX | DFHZLGX})

Explanation: Node *nodeid* tried to connect to CICS. CICS rejected the request because deletion of the terminal definition for *termid* had not completed.

For the meaning of the sense data, see the explanation on page 412.

+ **System Action:** CICS continues with the resource alteration, or for instance 3, the autoinstall delete transaction, CATD, is restarted.

User Response: When the resource alteration is complete, retry the connection or logon request.

Destination: CSNE

+ **Module:** DFHZSCX, DFHZLGX

+ **XMEOUT Parameters:** *date, time, applid, termid, traid, nodeid, sense, instance, {1=DFHZSCX, 2=DFHZSCX 3=DFHZLGX, 4=DFHZLGX}*

DFHZC2464 E *date time applid termid traid nodeid* **sense** *((instance) Module name: {DFHZNAC})*

Explanation: The secondary logical unit asked CICS to terminate transmission of further data in the current chain.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A cancel indicator is issued to the logical unit permitting discard of the data in the current chain.

User Response: Use the supplied dump to determine why the logical unit requested the chain to be discarded.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZNAC}*

DFHZC2465 E *date time applid termid trandid* **Insufficient resources.** *sense ((instance)* **Module name: {DFHZNAC}**

Explanation: The subsystem controller application program has insufficient resources to handle the request. For instance, in the case of 3601, the 3601 diskette might be full, or the data segment in the 3601 might not be large enough to handle the data set.

For the meaning of the sense data, see the explanation on page 412.

System Action: The subsystem is temporarily suspended.

User Response: Determine why the controller application program encountered this condition. For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, trandid, sense, instance, {1=DFHZNAC}*

DFHZC2466 E *date time applid termid trandid* **Function not executable.** *sense ((instance)* **Module name: {DFHZNAC}**

Explanation: The controller application program cannot transmit a message to terminal *termid*. Either a data check occurred, or the node is not available.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal status remains unchanged.

User Response: Use the supplied dump to determine why the application program could not execute the request.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, trandid, sense, instance, {1=DFHZNAC}*

DFHZC2467 E *date time applid termid trandid* **Invalid communications ID (CID) detected.** *sense ((instance)* **Module name: {DFHZLEX}**

Explanation: CICS issued a VTAM request containing a communications identifier (CID) which VTAM did not recognize. This may be due to the TCTECID field having been altered. Alternatively, it may mean that the session is in the process of being closed down by VTAM and that CICS has tried to use it before the process was complete.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. If the failing request is not a CLSDST, the node

is placed out of service. If the losterm exit was driven with return code X'0C', X'10', or X'14', CICS issues a CLSDST to VTAM and reset action flag 23, "keep node out of service".

User Response: Ensure that application programs running concurrently do not alter the TCTECID field in the TCTTE. Also check that the session is still active; that is, that the system being communicated with is still functioning.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, trandid, sense, instance, {1=DFHZLEX}*

DFHZC2468 E *date time applid termid trandid* **Name netname unknown or vary activate required.** *sense ((instance)* **Module name: {DFHZLEX}**

Explanation: Either the node has not been activated by VARY ACTIVATE or CICS issued a VTAM request containing an invalid symbolic node name where:

- The name may have been altered in the node initialization block (NIB)
- The name was specified during VTAM definition and does not agree with the name in the TCT.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

User Response: Either issue VARY ACTIVATE for the node, or ensure that application programs running concurrently do not alter the NIB name. Names specified during VTAM definition must agree with those in the TCT.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, trandid, netname, sense, instance, {1=DFHZLEX}*

DFHZC2469 E *date time applid termid trandid* **Exception response received.** *sense ((instance)* **Module name: {DFHZSYX}**

Explanation: An exception response (negative response) was sent by the secondary logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: For a non-3270 device, an exception response is returned to the node, along with the sense codes supplied by VTAM in the request parameter list (RPL) for the inbound message. For a 3270 device, the exception request contains 3270 sense/status.

User Response: Analyze the sense codes in DFHZNEP.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, trandid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2470 E *date time applid termid tranid* **Task active at Shutdown.** *sense ((instance)* **Module name:** {DFHZASX})

Explanation: One of the following has occurred:

- A request shutdown indicator was received from the controller application program on behalf of the node while a task was still attached.
- During VTAM shutdown, a shutdown complete indicator was received from the controller application program on behalf of the node while a task was still attached
- During VTAM shutdown, a task was still attached to a VTAM 3270 (which cannot send request shutdown or shutdown complete).

For the meaning of the sense data, see the explanation on page 412.

System Action: In the first two cases, CICS honors the command. In all cases, all outstanding send and receive requests are purged, and if a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2471 E *date time applid termid tranid* **FMH length error.** *sense ((instance)* **Module name:** {DFHZATT | DFHZRAC})

Explanation: The function management header (FMH) length was greater than that of the data received from the logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: All data received is purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program in the logical unit.

Note: The first 16 bytes of the I/O area in error are put to the CSNE log data set to aid in error determination.

Destination: CSNE

Modules: DFHZRAC, DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT, 4=DFHZATT, 5=DFHZATT, 6=DFHZRAC}*

DFHZC2472 E *date time applid termid tranid* **Unable to retrieve overlength data.** *sense ((instance)* **Module name:** {DFHZRAC})

Explanation: The receive request for the remainder of data in excess of the input area for the receive-any module was not accepted by VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: All associated data is purged.

User Response: A subsequent message follows in the log, indicating reasons for the request failing. Refer to this message for further information and guidance.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2473 E *date time applid termid tranid* **Outbound chaining not supported.** *sense ((instance)* **Module name:** {DFHZSDS})

Explanation: The application program has attempted to send more data than the generated maximum allowable length.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program so that it is sensitive to the maximum allowable length of data that can be sent to the terminal (such as checking the device type), providing the terminal does not support outbound chaining of data (such as a pipeline session).

Note: The generated maximum allowable length is specified in the TCTTE.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2475 E *date time applid termid tranid* **Function cancelled by LU device.** *sense ((instance)* **Module name:** {DFHZNAC})

Explanation: The logical unit (LU) has terminated all processing connected with one of its components.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following:

- Power for the device is switched off
- A line that is down
- A hardware problem
- In the case of an LU6 link, the connected transaction, for example, CSMI, has terminated abnormally.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2476 E *date time applid termid tranid* **Resource unavailable.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A component of the logical unit (LU) is no longer available.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following.

- Power for the device is switched off.
- A line that is down.
- A hardware problem.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2477 E *date time applid termid tranid* **Chaining not supported.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The logical unit (LU) does not support chaining of data from the host.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum amount of data being transmitted to the LU does not exceed the length specified in the buffer parameter of the DFHTCT macro instruction.

Note: The buffer parameter value can be increased only to the maximum acceptable limit of the LU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2478 E *date time applid termid tranid* **Invalid FMH.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The function management header (FMH) transmitted to the logical unit (LU) had no counterpart on the translate table.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If the batch data interchange program is not being used, the transaction is abnormally terminated with a transaction dump. The first part of the TIOA, containing the FMH, is written to the CSNE log.

User Response: Correct the application program so that the LU has a counterpart on the translate table.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2479 E *date time applid termid tranid* **Function not supported.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The response unit (RU) received by the logical unit (LU) contains a request that this device does not support.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the terminal control table (TCT) generation specifications for the device are valid as well as able to accommodate the application requests. (For example, a read-only device being defined as transceive, yet having a bid sent to it.)

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2480 E *date time applid termid tranid* **Retry requested.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The logical unit (LU) has indicated, via sense codes contained in an exception response or an LU status message, that it requires the data to be retransmitted.

For the meaning of the sense data, see the explanation on page 412.

System Action: Retransmission of data will be attempted only in the case of protected tasks (message integrity). If the exception response containing the retry sense codes is received for an unprotected task while in chain processing, a cancel command will be sent to the LU and the task will be resumed. If CICS is not in chain processing, the transaction will be resumed.

User Response: If message retransmission is necessary for the LU, ensure that the retry sense codes are imbedded in the exception response. Also ensure that the host transaction is defined as a protected task (message integrity).

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2481 E *date time applid termid tranid* **RU Error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The response unit (RU) received by the logical unit (LU) was either not translatable or had an invalid length.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Retrying the request a number of times by use of the node error program (NEP) mechanism may be necessary. This is because this type of error may stem from a bad communication line. If this fails, check for possible invalid or inappropriate terminal specifications at terminal control table (TCT) generation time.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2482 E *date time applid termid tranid* **Pipeline session bracket error.** *sense ((instance) Module name: {DFHZATT})*

Explanation: Terminal *termid* was defined in the terminal control table (TCT) as running in pipeline session mode. However, the BRACKET operand in that definition was either omitted or was specified as BRACKET=YES. Bracket protocol is not enforced on a pipeline session terminal.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged and the session is terminated. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the TCT entry by inserting the BRACKET=NO operand.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT}*

DFHZC2483 E *date time applid termid tranid* **Receiver in transmit mode.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: Normal data flow has been interrupted.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Retry the WRITE.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2484 E *date time applid termid tranid* **Component not available.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: An application request could not be satisfied because the required component was not available.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests are purged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the terminal environment, or use the symptom string, and if necessary the dump, to determine the cause of the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2485 E *date time applid termid tranid* **Cancel received in 'CS'-mode.** *sense ((instance) Module name: {DFHZRVX})*

Explanation: A CANCEL indicator was received while a task was active.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests purged.

User Response: None.

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX}*

DFHZC2486 E *date time applid termid tranid* **Cancel received in 'CA'-mode.** *sense ((instance) Module name: {DFHZRAC})*

Explanation: A CANCEL indicator was received while no task was active.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC}*

DFHZC2487 E *date time applid termid tranid nodeid* **Session connection failed. Node unavailability return code** *returncode.* *sense ((instance) Module name: {DFHZLGX | DFHZSCX})*

Explanation: A connection request was rejected. CICS is temporarily unable to carry out the connection request. The TCTTE for node *nodeid* indicated that the session could not be established. *returncode* gives the reason, as follows:

1. The CLSDST macro has been scheduled for this node
2. The node is in an abnormal condition
3. The node has an error condition raised against it
4. The node is already in use
5. CICS is terminating
6. VTAM is terminating.

For the meaning of the sense data, see the explanation on page 412.

System Action: The connection request is rejected.

User Response: Retry the connection request when the node becomes available. See the *CICS/ESA Customization Guide* for more information on abnormal node conditions.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, returncode, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZSCX, 8=DFHZSCX, 9=DFHZLGX, 10=DFHZLGX,*

11=DFHZLGX, 12=DFHZLGX, 13=DFHZLGX, 14=DFHZLGX,
15=DFHZLGX}

DFHZC2488 E *date time applid termid tranid nodeid logon request rejected as terminal recovery is in progress.* *sense ((instance) Module name: {DFHZLGX | DFHZSCX})*

Explanation: A connection request was rejected because the CICS terminal recovery program was still executing.

For the meaning of the sense data, see the explanation on page 412.

System Action: The connection request is rejected.

User Response: Retry the connection request. Message DFHRU2800 is produced when the recovery program has completed processing.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZSCX}*

DFHZC2489 E *date time applid termid tranid 3270 - Invalid copy request.* *sense ((instance) Module name: {DFHZARQ})*

Explanation: The terminal control table terminal entry (TCTTE) of the device from which the information is to be copied ("from" device) did not specify the COPY feature. Alternatively, the "from" device:

- Is not defined in the TCT, or
- Is not a 3270, or
- Is not connected to CICS via VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the application program is aware of the device configuration. Furthermore, ensure that the "from" device is defined in the TCT as a 3270 device AND is connected to CICS.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ, 2=DFHZARQ, 3=DFHZARQ}*

DFHZC2490 E *date time applid termid tranid Request for TOLTEP.* *sense ((instance) Module name: {DFHZSYX})*

Explanation: On a request for TOLTEP, a receive request completes in error.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a transaction is currently attached, it is abnormally terminated. The terminal is disconnected from CICS by a VTAM CLSDST macro, and is queued for logon to CICS when TOLTEP has finished.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2492 E *date time applid termid tranid Intervention required on 3270 printer.* *sense ((instance) Module name: {DFHZNAC})*

Explanation: This message is sent to the CSNE message log when an INTERVENTION REQUIRED condition is detected on a 3270 printer. This condition could occur for any of the reasons listed below.

- A transaction has requested the use of a printer that does not exist.
- The printer adapter feature is not present.
- There is no paper in the printer.
- The printer cover is open.
- The printer is offline.

For the meaning of the sense data, see the explanation on page 412.

System Action: No action is performed except printing of the RPL and the TCTTE.

User Response: Check that the terminal control table (TCT) is properly defined and that the transaction requests proper printer operations. If this is correct, check that the printer itself is in proper working order.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2493 E *date time applid termid tranid Intervention required on 3270 device.* *sense ((instance) Module name: {DFHZNAC})*

Explanation: This message occurs when an INTERVENTION REQUIRED condition arises on the 3270 Information Display System.

For the meaning of the sense data, see the explanation on page 412.

System Action: No action is performed.

User Response: Correct the intervention condition.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2494 E *date time applid termid tranid Error status sense received from 3270.* *((instance) Module name: {DFHZNAC})*

Explanation: An error status message *sense* was received from a 3270 Information Display System. An INTERVENTION REQUIRED condition causes an "intervention required" message to be output instead of this message.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. If bad data, sent by basic mapping support (BMS), causes an operation check, the bad data is purged.

User Response: Analyze the error status codes to determine the proper course of action required to correct the unit error or program error.

For non-SNA 3270 devices, the sense code is 0000 xxxx, where xxxx is sense data returned by the control unit to which the 3270

device is attached. Datastream errors are rejected with an Operation Check, and commands with a Command Reject. Details of error status codes are given in the *IBM 3270 Information Display System 3274 Control Unit Description and Programmer's Guide*.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2495 E *date time applid termid tranid Printer Outserv/int reqd/ineligible. Req queued. sense ((instance) Module name: {DFHZNAC})*

Explanation: DFHZNAC has performed an interval control PUT to a 3270 printer on behalf of a DFHZC2497 "unavailable printer" condition. The printer is:

- Out of service,
- Has an intervention situation, or
- Does not have a RECEIVE or TRANSCEIVE status.

For the meaning of the sense data, see the explanation on page 412.

System Action: Other processing continues.

User Response: Determine why the printer is unavailable. If the terminal is out of service, then put it back into service. If the terminal has an intervention situation, determine what this situation is and correct it. If the terminal does not have a RECEIVE or TRANSCEIVE status, place it into RECEIVE or TRANSCEIVE status.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2496 E *date time applid termid tranid IC put to printer failed{ | IOERROR | TRNIDER | TRMIDER | INVREQ}. sense ((instance) Module name: {DFHZNAC})*

Explanation: DFHZNAC has attempted to perform a DFHIC TYPE=PUT macro as the result of a DFHZC2497 "unavailable printer" condition and has failed. This message is written to the CSNE log.

For the meaning of the sense data, see the explanation on page 412.

System Action: DFHZNEP is recalled by DFHZNAC to allow for further processing.

User Response: Ensure that:

- The interval control program (ICP) is capable of handling the request that DFHZNAC is issuing for the IOERROR and INVREQ errors
- CSPP is an installed transaction definition for the TRNIDER error
- DFHZNEP is passing DFHZNAC as a valid terminal address for the TRMIDER error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, {1=, 2= IOERROR, 3= TRNIDER, 4=TRMIDER, 5= INVREQ}, sense, instance, {1=DFHZNAC}*

DFHZC2497 E *date time applid termid tranid Unavailable printer. sense ((instance) Module name: {DFHZARQ})*

Explanation: A print function was requested on a 3270 display device. Neither the PRINTTO or the ALTPRT printer was available to receive the information.

For the meaning of the sense data, see the explanation on page 412.

System Action: If no NEP action is specified, the print request is halted.

User Response: A possible solution is to route the data available at TCTEDA in the provided terminal entry to a transient data queue that causes automatic task initiation later to a printer. This would be done in DFHZNEP. For more information, see the *CICS/ESA Customization Guide*.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2498 E *date time applid termid tranid IC put to printer failed. sense ((instance) Module name: {DFHZARQ})*

Explanation: A 3270 print request has failed because transaction CSPP could not be initiated. Either transaction CSPP is not an installed transaction definition, or the message to be printed cannot be written to temporary storage.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check that transaction CSPP is an installed transaction definition and that you have sufficient temporary storage to accommodate the data to be printed.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2499 *date time applid The following message was destined for a read only terminal. The text is 'msgtext'*

Explanation: The user has entered an invalid entry, the entry is rejected, and the request is backed out.

System Action: Terminal Control backs out the request and issues this message with the error information contained in *msgtext*.

User Response: Read the error information that is contained in *msgtext* and reenter the request.

XMEOUT Parameters: *date, time, applid, msgtext*

+

APAR PN68409

+ **DFHZC3202 E** *date time applid* **Transaction CCIN - VTAM**
 + **netname** *netname*. **The value codepage in the**
 + **codepage parameter is not supported.**

+ **Explanation:** A CCIN transaction has been run from a CICS
 + client. The codepage which the CICS client has requested is not
 + supported.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** CICS cannot perform the translations required to
 + support the CICS client with the requested character set and
 + codepage. CICS continues but uses a default codepage instead of
 + the supplied one. For details of the default codepage, see *CICS*
 + *Server Support for CICS Clients*

+ The request to install the CICS client continues, but uses the
 + default codepage. A response code of EXCEPTION and a reason
 + code of INVALIDCODEPAGE is sent to the client.

+ **User Response:** See the *CICS Family: Communicating from*
 + *CICS on System/390* manual for a list of the client codepage
 + values which are supported. It may be necessary to reconfigure
 + the client locale.

+ **Destination:** CSCC

+ **Modules:** DFHZCN2

+ **XMEOUT Parameters:** *date, time, applid, netname, codepage*

+ **DFHZC3203 E** *date time applid* **Transaction CCIN - VTAM**
 + **netname** *netname*. **The capabilities parameter is not**
 + **valid.**

+ **Explanation:** A CCIN transaction has been run from a CICS
 + client. The capabilities which have been received are not valid.
 + The CICS client has specified that it supports features which no
 + CICS client is supposed to support. The CICS client is violating the
 + CICS client communications architecture.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP301A is written.

+ The request to install the CICS client is rejected. A response code
 + of DISASTER and a reason code of INVALIDREQUEST is sent to
 + the client.

+ **User Response:** You need further assistance from IBM to resolve
 + this problem. See Part 4 of the *CICS/ESA Problem Determination*
 + *Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN2

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3204 E** *date time applid* **Transaction CCIN - VTAM**
 + **netname** *netname*. **The codepage parameter has not**
 + **been specified.**

+ **Explanation:** A CCIN transaction has been run from a CICS
 + client. One of the parameters which must be supplied is the
 + codepage which the CICS client intends to use. This parameter is
 + missing.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP301B is written.

+ The request to install the CICS client is rejected. A response code
 + of DISASTER and a reason code of INVALIDREQUEST is sent to
 + the client.

+ **User Response:** You need further assistance from IBM to resolve
 + this problem. See Part 4 of the *CICS/ESA Problem Determination*
 + *Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3205 E** *date time applid* **Transaction CTIN - virtual**
 + **terminal termid VTAM netname** *netname*. **CICS**
 + **cannot support the** {*n.a. | n.a. | n.a. | combination of*
 + *client and virtual terminal codepage. | client codepage. |*
 + *virtual terminal codepage.*}

+ **Explanation:** A CTIN install request has been received from a
 + CICS client as a result of a CICS_EpiAddTerminal function or
 + terminal emulator operation.

+ CICS was checking the codepage specified by the CICS client and
 + the codepage specified by the virtual terminal. However one of the
 + following occurred:

+ **1 – 3** *n.a.* - not applicable and should not occur.

+ **4** *unsupported combination of CICS client and virtual terminal*
 + *codepage.* indicates that the two codepages above are
 + known about but CICS does not support data conversion
 + between the CICS client codepage and the virtual terminal
 + codepage.

+ **5** *unsupported CICS client codepage* indicates that CICS is
 + unable to support the codepage supplied by the CICS
 + client in the CCIN or CTIN transaction.

+ **6** *unsupported virtual terminal codepage* indicates that the
 + CGCSGID parameter defining the virtual terminal codepage
 + is not supported for CICS data conversion. If the virtual
 + terminal was autoinstalled, CGCSGID was specified in the
 + autoinstall model requested by the CICS client. If the
 + virtual terminal was defined, CGCSGID was defined in the
 + TYPETERM named by the virtual terminal definition.

+ CICS cannot perform the translations required to support the CICS
 + client with the requested codepage.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3035 is written.

+ **4** *unsupported combination of CICS client and virtual terminal*
 + *codepage.*

+ A response code of ERROR and a reason code of
 + INSTALLCANCELLED is sent to the client. The virtual
 + terminal is NOT installed.

+ **5** *unsupported CICS client codepage.*

+ The request to install the virtual terminal continues and the
 + invalid codepage is replaced by a default as specified in
 + *CICS Server Support for CICS Clients*

+ A response code of EXCEPTION and a reason code of
 + INVALIDCODEPAGE is sent to the client.

+ **6** *unsupported virtual terminal codepage.*

+ A response code of ERROR and a reason code of
 + INSTALLCANCELLED is sent to the client. The virtual
 + terminal is NOT installed.

+ **User Response:** See the *CICS Family: Communicating from*
 + *CICS on System/390* manual and check the list of the client
 + codepage values then reconfigure the workstation locale or correct
 + the virtual terminal TYPETERM definition.

+ The exception trace point AP3035 contains the CICS client
 + codepage and the virtual terminal CGCSGID values.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname, {1=n.a., 2=n.a., 3=n.a., 4=combination of client and virtual terminal codepage., 5=client codepage., 6=virtual terminal codepage.}*

+ **DFHZC3206 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM *netname* *netname*. The client's terminal install limit has been exceeded.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the CICS client whose VTAM *netname* is *netname* already has 512 virtual terminals.

+ *termid* is the name that would have been given to the new virtual terminal. If the CICS client did not supply the name it is blank.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

+ **User Response:** Check why the CICS client has sent so many CTIN installs

+ To correct the problem the CICS client must send a CTIN uninstall for each virtual terminal that needs to be deleted.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3207 E** *date time applid* **Transaction CTIN - VTAM *netname* *netname*. The request has failed because CCIN has not been run.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there was no previous CCIN install request for the CICS client with the VTAM *netname* of *netname*. CCIN must always run before CTIN.

+ This may have been caused by a CICS restart.

+ *netname* is the VTAM *netname* of the CICS client.

+ **System Action:** The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** The CICS client must carry out CCIN uninstall/install before the next CTIN install.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3208 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM *netname* *netname*. Model *modelid* cannot be found.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However CICS was unable to find the model *modelid* which was specified in the CICS_EpiAddTerminal DEVTYPE parameter or terminal emulator ModelId parameter.

+ *netname* is the VTAM *netname* of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNMODEL is sent to the client.

+ **User Response:** Either correct the DevType in the CICS_EpiAddTerminal function or terminal emulator parameter or

+ install a model of this name using RDO to define the autoinstall model with the RDO TERMINAL and TYPETERM definitions.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname, modelid*

+ **DFHZC3209 E** *date time applid* **Transaction CTIN - VTAM *netname* *netname*. CICS cannot supply a terminal name because all available names are in use.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The parameter list did not supply a NetName indicating that CICS should supply the name. However there are only 46,656 possible names available and they are all currently in use.

+ *netname* is the VTAM *netname* of the CICS client.

+ **System Action:**

+ The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

+ **User Response:** As CICS clients issue CTIN uninstalls for autoinstalled virtual terminals these termids will be freed.

+ It is possible that some of the CICS clients were switched off leaving autoinstalled virtual terminals around. When these are switched back on again they should issue CCIN install which will free the virtual terminals if they are not in use.

+ If the SIT VTPREFIX coincides with the first character of the termid allocated to a normal autoinstall terminal by the autoinstall URM (default DFHZATDX), there may be some names reserved because the autoinstall terminal existed when CTIN install tried to use the same name. Avoid doing this if possible because the only way to free these names is to restart CICS (COLD or AUTO).

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3210 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM *netname* *netname*. CICS cannot attach the CITS transaction.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create a virtual terminal *termid*. However CICS was unable to attach the CITS transaction.

+ *netname* is the VTAM *netname* of the CICS client.

+ **System Action:** Exception trace point AP3025 is written.

+ The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

+ **User Response:** Check that the CITS transaction and the DFHZATS program are defined correctly as specified in the DFHSPI IBM supplied group and are installed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3211 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The NetName parameter starts with an invalid character.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation.

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The NetName parameter *termid* starts or ends with a character that conflicts with CICS standards.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

+ **User Response:** Change the NetName to

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start or end with a different character. It cannot start with # *,-,<,>,+,{,} or blank. It cannot end with an -. If the NetName was specified correctly, check the input to the CTIN transaction.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3212 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The transaction has timed out waiting for CITS to run.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create virtual terminal *termid*. However the CTIN transaction has waited for one minute for the CITS transaction to run.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3027 is written.

+ The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

+ **User Response:** Investigate why the CITS transaction was unable to start or was hanging.

+ You may need to increase MAXTASK or the CITS TRANCLASS allocation.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3213 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. CICS cannot attach the CDTS transaction.**

+ **Explanation:** A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the delete process the CDTS transaction is called to delete virtual terminal *termid*. However CICS was unable to attach the CDTS transaction.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3028 is written. The attempt to delete the virtual terminal is rejected.

+ **User Response:** Check to see if the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3214 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The CTIN transaction has timed out waiting for CDTS to run.**

+ **Explanation:** A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the installation process the CDTS transaction is called to delete virtual terminal *termid*. However the CTIN transaction has waited for the CDTS transaction for one minute and so ends with this message.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3029 is written. The CDTS attempt to delete the virtual terminal continues and will occur when the CDTS transaction starts or is 'unsuspended'.

+ **User Response:** Check to see why the CDTS transaction was unable to start or was hanging.

+ You may need to increase MAXTASK or the CDTS TRANCLASS allocation.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3215 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The terminal is in use by another transaction.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the virtual terminal *termid* is in use, that is the surrogate TCTTE indicates that a transaction is still running against this terminal.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP302E is written.

+ The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

+ **User Response:** Investigate why a transaction is still running for the virtual terminal.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3216 E** *date time applid* **Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. CICS cannot find the terminal.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. TIN specified that a pre defined virtual terminal *termid* should be used, but CICS cannot find it and no Modelld was provided (DevType) so an autoinstall was not attempted.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNTERMINAL is sent to the client.

+ **User Response:** Ensure that there is an installed predefined terminal for *termid* that has a remote system parameter (REMOTESYSTEM) specifying the name of this CICS clients connection and that the VTAM NETNAMEs match. Then install the definition with the correct parameters.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3217 E** *date time applid* Transaction CTIN - VTAM terminal *termid* VTAM netname *netname*. The specified function is not valid.

+ **Explanation:** A CTIN request has been received from a CICS client with a VTAM netname of *netname*. However the function specified was not INSTALL or UNINSTALL.

+ **System Action:** Exception trace point AP3034 is written. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Determine where the request originated. Ensure that the input has not been corrupted. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3218 E** *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. A resource with the same name as the terminal is already installed.

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that a virtual terminal *termid* should be autoinstalled. However another resource was installed with the same name after the CTIN transaction had ensured that the name was free.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3026 is written.

+ The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

+ **User Response:** Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically. If NetName was specified in the CTIN parameters, ensure that the CICS client names do not conflict with existing CICS terminal or connection names. If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3219 E** *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The terminal is already in use.

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN supplied a NetName *termid* but CICS found a resource with the same name which is either an existing virtual terminal for this client, an existing virtual terminal for another client or another CICS terminal or connection resource.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

+ **User Response:** Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM.

+ It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3220 E** *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The terminal has already been installed.

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal *termid* should be autoinstalled. However, the virtual terminal was already installed.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

+ **User Response:** The CICS client should issue CTIN uninstall before any attempt to issue another CTIN install for the same NetName.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3221 E** *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The name specified is already in use by another CICS resource.

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal *termid* should be autoinstalled. However, the name specified is already in use by another CICS resource.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

+ **User Response:** Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

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- + If NetName was specified on the CTIN install ensure that NetName does not conflict with other CICS resources.
- + If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1
- + **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ DFHZC3222 E *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The CITS task has terminated abnormally.

- + **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to autoinstall the virtual terminal *termid*. However, the CITS task which was attached to install the virtual terminal, abended.
- + If this ABEND was an AZVE, this is because a resource already exists with that name. However, this only occurs if the duplicate resource was added after this CTIN transaction started and checked for any duplicate.
- + *netname* is the VTAM netname of the CICS client.
- + **System Action:** Exception trace point AP3030 is written.
- + The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.
- + **User Response:** Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.
- + If NetName was specified on the CTIN install, ensure that the names do not conflict.
- + If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.
- + For any other abend, see the description of the abend code for further guidance.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1
- + **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ DFHZC3223 E *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The surrogate TCTTE is in use and cannot be deleted.

- + **Explanation:** A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However, the surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted.
- + *netname* is the VTAM netname of the CICS client.
- + **System Action:** Exception trace point AP302F is written. The attempt to delete the virtual terminal is rejected.
- + **User Response:** Either wait for the transaction to finish or PURGE the transaction. Once the transaction has ended the virtual terminal will be deleted when the client issues CCIN install or uninstall.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1
- + **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ DFHZC3224 E *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. The terminal specified for deletion cannot be found.

- + **Explanation:** A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the virtual terminal *termid* does not exist as a remote terminal for this CICS client.
- + *netname* is the VTAM netname of the CICS client.
- + **System Action:** The attempt to delete the virtual terminal is rejected.
- + **User Response:** Determine why a CICS client requested that a non existent virtual terminal be deleted.
- + If the CTIN uninstall was issued correctly and the virtual terminal should exist, examine the CICS log for message DFHZC5966 and for DFHZC32xx messages referring to this terminal.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1
- + **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ DFHZC3225 E *date time applid* Transaction CTIN - VTAM netname *netname*. The terminal cannot be deleted because the NetName parameter is missing.

- + **Explanation:** A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the NetName parameter, defining which virtual terminal is to be deleted, is missing.
- + *netname* is the VTAM netname of the CICS client.
- + **System Action:** Exception trace point AP3037 is written – data 2 contains the data received. The attempt to delete the virtual terminal is rejected.
- + **User Response:** Examine the input to CTIN. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1
- + **XMEOUT Parameters:** *date, time, applid, netname*

+ DFHZC3226 E *date time applid* Transaction CTIN - virtual terminal *termid* VTAM netname *netname*. CICS cannot access the builder parameter set.

- + **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. CICS is attempting to extract the details from the virtual terminal that has just been created and return them back to the CICS client. However the attempt to extract the details in the form of a builder parameter set (BPS) failed.
- + *netname* is the VTAM netname of the CICS client.
- + **System Action:** Exception trace point AP3031 is written.
- + The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.
- + **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.
- + **Destination:** CSCC
- + **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3227 E** *date time applid* **Transaction CTIN - VTAM**
 + **netname** *netname*. **The client data is longer than expected.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the data received was longer than expected. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP302D is written – data 2 contains the length that was received. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3228 E** *date time applid* **Transaction CTIN - VTAM**
 + **netname** *netname*. **The client header data contains an invalid group.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the header contains an invalid group. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3024 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3229 E** *date time applid* **Transaction CTIN - VTAM**
 + **netname** *netname*. **CICS has received invalid data from the client.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters and the length of the data received. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3033 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3230 E** *date time applid* **Transaction CTIN - VTAM**
 + **netname** *netname*. **CICS has received a client request on an unsupported sync level.**

+ **Explanation:** A CTIN request has been received on a conversation which is not at synchronization level 0 or 1. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP302B is written. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Ensure that the CICS client converses at sync level 0 or 1.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3231 E** *date time applid* **Transaction CTIN - VTAM**
 + **netname** *netname*. **The client header data contains an invalid version number.**

+ **Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there is an invalid version number in the header. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3036 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

+ **User Response:** Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCT1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3240 E** *date time applid* **Transaction CCIN - VTAM**
 + **netname** *netname*. **CICS has received a client request on an unsupported sync level.**

+ **Explanation:** A CCIN request has been received on a conversation which is not at synchronization level 0 or 1. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3003 is written. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Ensure that the CICS client converses at sync level 0 or 1.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3241 E** *date time applid* **Transaction CCIN - VTAM**
 + **netname** *netname*. **The client data is longer than expected.**

+ **Explanation:** A CCIN install request has been received from a CICS client. However the data received was longer than expected. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3004 is written – data 2 contains the length that was received. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3242 E** *date time applid* **Transaction CCIN - VTAM netname netname. The client header data contains an invalid group.**

+ **Explanation:** A CCIN request has been received from a CICS client. However there is an invalid group in the header. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3002 is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Examine the data sent to CICS from the CICS client.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3243 E** *date time applid* **Transaction CCIN - VTAM netname netname. The client header data contains an invalid version number.**

+ **Explanation:** A CCIN install request has been received from a CICS client. However the header contains an invalid version value. *netname* is the VTAM netname of the CICS client.

+ Either the CICS client is setting up the CCIN header incorrectly or a new version of the CICS client software is being used which is not supported on CICS/ESA 4.1.

+ **System Action:** Exception trace point AP300B is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3244 E** *date time applid* **Transaction CCIN - VTAM netname netname. The client header data contains an invalid function.**

+ **Explanation:** A CCIN request has been received from a CICS client. However there is an invalid function in the header. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP3002 is written - data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Investigate why the CICS client has sent an unknown function call to CCIN. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3245 E** *date time applid* **Transaction CCIN - VTAM netname netname. The capabilities parameter has not been specified.**

+ **Explanation:** A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the CAPABILITIES parameter which specifies the capabilities the CICS client can support. This parameter is missing.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The request to install a CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

+ **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

+ **DFHZC3246** *date time applid* **Transaction CCIN - virtual terminal termid VTAM netname netname. CICS cannot attach the CDTS transaction.**

+ **Explanation:** A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction was called to delete virtual terminal *termid*. However CICS was unable to attach the CDTS transaction.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The attempt to delete the virtual terminal fails. If this is a CCIN install request, the install continues.

+ **User Response:** Ensure that the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN2

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3247** *date time applid* **Transaction CCIN - virtual terminal termid VTAM netname netname. The CCIN transaction has timed out waiting for CDTS to run.**

+ **Explanation:** A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction is called to delete virtual terminal *termid*. However the CCIN transaction has waited for the CDTS transaction for one minute and has timed out.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** The CDTS attempt to delete the virtual terminal continues and occurs when the CDTS transaction starts or is 'unsuspended'.

+ If this is a CCIN install request, the install continues.

+ **User Response:** Check to see why the CDTS transaction was unable to start or was hanging.

+ You may need to increase MAXTASK or the CITS TRANCLASS allocation.

+ **Destination:** CSCC

+ **Modules:** DFHZCN2

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3248 E** *date time applid* **Transaction CCIN - virtual terminal *termid* VTAM netname *netname*. The surrogate TCTTE is in use and cannot be deleted.**

+ **Explanation:** A CCIN request has been received from a CICS client. There should not be any virtual terminals installed, however, one or more were located. The surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted. If this was caused by an immediate shut down of the client the transaction abend might not have completed before CICS attempted to delete the client.

+ *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP301C is written. The attempt to delete the virtual terminal is rejected.

+ If this is a CCIN install request, the install continues.

+ **User Response:** Determine why the virtual terminal was installed when CCIN was run.

+ Either wait for the transaction to finish or PURGE the transaction.

+ Once the transaction completes the virtual terminal will be deleted at the next CCIN install/uninstall.

+ **Destination:** CSCC

+ **Modules:** DFHZCN2

+ **XMEOUT Parameters:** *date, time, applid, termid, netname*

+ **DFHZC3249 E** *date time applid* **Transaction CCIN - VTAM netname *netname*. CICS has received invalid data from the client.**

+ **Explanation:** A CCIN install request has been received from a CICS client. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters, and the length of the data received. *netname* is the VTAM netname of the CICS client.

+ **System Action:** Exception trace point AP300E is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

+ **User Response:** Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ **Destination:** CSCC

+ **Modules:** DFHZCN1

+ **XMEOUT Parameters:** *date, time, applid, netname*

DFHZC3400 E *date time applid termid tranid* **Chain exceeds max chain size. sense ((*instance*) Module name: {DFHZRAC | DFHZRVS | DFHZRVX})**

Explanation: If chain assembly (BUILDCHAIN) has been specified in the TCTTE, the chain being assembled does not fit into the IOAREALEN for a maximum chain (IOAREALEN Value 2). The remaining space in the IOAREALEN for a maximum chain is smaller than the maximum RECEIVESIZE.

If chain assembly (BUILDCHAIN) has been specified in the TCTTE, but maximum chain value equals zero, either the maximum chain value has been set incorrectly at build time or the value has been overwritten.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum chain size, generated in CEDA TYPETERM with IOAREALEN (value 2) keyword, is large enough for the maximum chain expected.

Destination: CSNE

Modules: DFHZRVS, DFHZRVX, DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVS, 3=DFHZRVS, 4=DFHZRVS, 5=DFHZRVS, 6=DFHZRVX, 7=DFHZRAC, 8=DFHZRAC}*

DFHZC3401 I *date time applid termid tranid* **Resource now available. sense ((*instance*) Module name: {DFHZNAC})**

Explanation: A resource of the logical unit (LU) is now available. It had previously been temporarily unavailable or had required intervention.

For the meaning of the sense data, see the explanation on page 412.

System Action: Any outstanding read or write operation is retried.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3402 E *date time applid termid tranid* **Invalid READ with outbound chain control. sense ((*instance*) Module name: {DFHZRVS})**

Explanation: A DFHTC TYPE=READ request is being processed, although the previously issued DFHTC TYPE=WRITE request did not complete a chain.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC3405 E *date time applid termid tranid* **Catastrophic bracket error. sense ((*instance*) Module name: {DFHZNAC})**

Explanation: The logical unit detected a failure of CICS to enforce bracket rules.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, a VTAM trace, and if necessary the dump, to determine the source of the problem.

DFHZC3406 E

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3406 E *date time applid termid tranid* **Parameter error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The request/response unit (RU) received by the logical unit (LU) contains a control function with invalid parameters.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A portion of the TIOA is put to the CSNE log.

User Response: Correct the application program.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3407 E *date time applid termid tranid* **READ command does not carry change direction indicator.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A request for input (for example, a READBUF command) sent to a logical unit (LU) type 2 (3270 compatibility mode logical unit) must carry the SNA change direction indicator. The LU has received such a request, but the indicator is not set.

Since the setting of the change direction indicator is controlled by terminal control, this message indicates that an internal logic error may have occurred. The error is not necessarily in terminal control, but may be in the logical unit or some other element of the network.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task and the VTAM session for the logical unit are abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Identify the request that caused the error, and locate the element of the network responsible.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3408 E *date time applid termid tranid* **Presentation space integrity lost.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The contents of data for screen presentation by a logical unit has been altered. This is usually due to operator action. For example, the TEST/NORMAL key may have been used or the 3270 SYS REQ key may have been pressed.

It may also have been caused by factors other than operator action, for example, 3270 regeneration buffer failure.

For the meaning of the sense data, see the explanation on page 412.

System Action: Any outstanding requests are canceled. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Determine reason for failure at the remote terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3409 E *date time applid termid tranid* **Unexpected negative response received.** *sense ((instance) Module name: {DFHZRAC})*

Explanation: CICS received a negative response to a command for which a negative response would not normally be expected.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC}*

DFHZC3410 E *date time applid termid tranid* **Invalid input when LU status expected.** *sense ((instance) Module name: {DFHZRVX})*

Explanation: Input (other than a logical unit status message) was received after a request was rejected with a system sense code indicating a possibly rectifiable error condition at the terminal node: for example, Intervention Required. The subsequent LU status message indicates that the error situation has now been corrected, or that the request is permanently not executable.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Conform to SNA protocol by ensuring that the next transmission is an LUSTATUS message with a system sense for either Resource Available (0001) or Function Not Executable (081C).

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX}*

DFHZC3411 E *date time applid termid tranid* **Resource temporarily unavailable.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A terminal resource required to complete a request is temporarily unavailable.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is retried unless the device is one that sends an LUSTATUS message after receiving a "resource temporarily unavailable" notification.

If "resource temporarily unavailable" notification is received, an associated VTAM message is usually issued.

User Response: Refer to the associated VTAM message, if applicable, and follow the guidance provided.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3412 E *date time applid termid tranid* **Intervention required on secondary resource.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: Operator action is requested for the secondary resource of a logical unit (LU). However, no such resource is immediately available. In the case of a 3270-compatible LU, this message means that the printer most likely to be available for a PRINT request has an Intervention Required status.

For the meaning of the sense data, see the explanation on page 412.

System Action: The system waits for a logical unit status message and, when this is received, takes appropriate system action.

User Response: Correct the problem that relates to the device.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3413 E *date time applid termid tranid* **Logical Unit busy.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The logical unit has rejected a request because its resources are busy (for example, it is communicating with the system services control point (SSCP)), and thus is unable to process the request.

For the meaning of the sense data, see the explanation on page 412.

System Action: The system waits for a logical unit status message and then takes appropriate action.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3414 E *date time applid termid tranid* **Request not executable. Secondary resource unavailable.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The secondary resource of a logical unit is permanently unavailable to complete a request. For a 3270-compatible LU, this means that a printer was not available for a PRINT request.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Determine the reason why the resource is not available at the remote terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3415 E *date time applid termid tranid* **No data available.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A receive request has been rejected by the logical unit because it has no data to send for one of the following reasons:

- The device is not capable of input (for instance, it is a printer)
- The logical unit is not capable of sending data at the time. For example, a requested 3790 data set is not available at the time.

For the meaning of the sense data, see the explanation on page 412.

System Action: The receive request is halted. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Verify that the request was issued to the correct device and that the device is capable of data transmission.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3416 E *date time applid termid tranid* **Session failure. A connection request for an invalid node *nodeid* could not be terminated.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: The requested logon was to be rejected, but the attempt to send a negative response was rejected by VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: No further attempts are made to communicate with the invalid node.

User Response: Inspect the CSNE, CSMT and CSTL logs for an indication of a VTAM storage problem or error message. Determine whether the node was invalid. If it was valid, update the CICS TCT for that node.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX}*

DFHZC3417 E *date time applid termid traid* **Session processing error. A request for synchronization has been ignored.** *sense ((instance)* **Module name: {DFHZSDR}**)

Explanation: A request for a sync point to be taken was ignored. COMMIT or ABORT has not been issued.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: To determine the cause of the problem, inspect the CSNE, CSMT and CSTL logs for further diagnostic information. Also inspect transaction *traid*.

Destination: CSNE

Module: DFHZSDR

XMEOUT Parameters: *date, time, applid, termid, traid, sense, instance, {1=DFHZSDR}*

DFHZC3418 E *date time applid termid traid* **System generation error. The *netname* logon request was rejected.** *sense ((instance)* **Module name: {DFHZLGX | DFHZSCX}**)

Explanation: A logon request was rejected because the TCTTE for the ISC session had been generated with an incompatible SESSIONTYPE.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is rejected.

User Response: Change the TCTTE generation to specify a secondary logical unit at one end of the connection, and a primary logical unit at the other end.

A primary logical unit should have SESSIONTYPE=SEND or SESSIONTYPE=FASTSEND, and a secondary logical unit should have SESSIONTYPE=RECEIVE or SESSIONTYPE=FASTRECV.

Destination: CSNE

Modules: DFHZSCX, DFHZLGX

XMEOUT Parameters: *date, time, applid, termid, traid, netname, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZLGX}*

DFHZC3419 E *date time applid termid traid* **Session failure. The bind parameter for node *netname* is unacceptable.** *sense ((instance)* **Module name: {DFHZSCX | RESERVE}**)

Explanation: A connection request was rejected because the characteristics specified for the connecting system were unacceptable.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is rejected. The bind parameter is printed on the CSNE log.

User Response: Determine whether the connecting system has specified its characteristics correctly. If it has not, correct the requesting system.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, traid, netname, sense, instance, {1=RESERVE, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZSCX, 8=DFHZSCX, 9=DFHZSCX, 10=DFHZSCX, 11=DFHZSCX, 12=DFHZSCX, 13=DFHZSCX, 14=DFHZSCX, 15=DFHZSCX, 16=DFHZSCX, 17=DFHZSCX, 18=DFHZSCX, 19=DFHZSCX, 20=DFHZSCX, 21=DFHZSCX, 22=DFHZSCX, 23=DFHZSCX, 24=DFHZSCX, 25=DFHZSCX, 26=DFHZSCX, 27=DFHZSCX, 28=DFHZSCX, 29=DFHZSCX, 30=DFHZSCX, 31=DFHZSCX, 32=DFHZSCX, 33=DFHZSCX, 34=DFHZSCX, 35=DFHZSCX, 36=DFHZSCX, 37=DFHZSCX, 38=DFHZSCX}*

DFHZC3420 E *date time applid termid traid* **Session connection error. Node *netname* is out of service.** *sense ((instance)* **Module name: {DFHZOPN | DFHZSCX}**)

Explanation: A logon request was rejected because the TCTTE is out of service.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is rejected.

User Response: Place the terminal in service by using the master terminal program and reissuing the connection request.

Destination: CSNE

Modules: DFHZSCX, DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, traid, netname, sense, instance, {1=DFHZOPN, 2=DFHZSCX, 3=DFHZSCX}*

DFHZC3421 E *date time applid termid traid* **Session shutdown request received. Node *netname* is receiving orderly shutdown.** *sense ((instance)* **Module name: {DFHZASX}**)

Explanation: A shutdown request was received for the system. An orderly termination procedure has begun.

For the meaning of the sense data, see the explanation on page 412.

System Action: Orderly termination of the session is started. Access to the remote system is stopped after the current transaction has finished.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, traid, netname, sense, instance, {1=DFHZASX}*

DFHZC3422 E *date time applid termid traid* **Connection failure. Request rejected before a session could be started.** *sense ((instance)* **Module name: {DFHZNSP}**)

Explanation: An error occurred while trying to connect the two systems. The request was terminated before a session had been established.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the problem by inspecting the VTAM logs. If the problem is due to a shortage of storage or another temporary error, reissue the request when the system is less heavily loaded.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNSP, 2=DFHZNSP}*

DFHZC3423I *date time applid termid tranid* **FM function not supported. A function requested in an FMD RU is not supported by the receiver. sense ((instance) Module Name: {DFHZNAC})**

Explanation: CICS has received a negative response (VTAM sense code 0826). The receiver does not support the function requested by the sender.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding SENDs and RECEIVEs are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Investigate the reason for issuing a request for a function that the receiver does not support.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3424 *E date time applid termid tranid* **Session failure. Session terminated immediately. sense ((instance) Module name: {DFHZNSP})**

Explanation: Communication with a node was interrupted during a session because a session outage was detected, or because a VTAM VARY INACT command was issued.

Error messages produced for the same session after this message may be caused by the session failure and may not be the reason for it. If this is the case, they can be ignored.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is canceled. The session may be recovered later by VTAM. See also messages DFHZC2409 and DFHZC2410.

User Response: Check if the failure was caused by an operator-issued VTAM VARY INACT. If this is not the case, use the sense data and any associated messages to investigate the reason for the failure.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNSP, 2=DFHZNSP, 3=DFHZNSP}*

DFHZC3425 *E date time applid termid tranid* **Session recovery. Resynchronization failed. Possibly logging error or one side cold started. sense ((instance) Module name: {DFHZSCX})**

Explanation: Either one side of the intersystem link has not recovered sequence numbers, or the mismatch of sequence numbers is such that it could not have been caused solely by session failure.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check that cold start is not being used when the other system is under emergency restart. Check that the correct version of the system log is being used.

Destination: CSNE

Module: DFHZCSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3426 *E date time applid termid tranid* **Resource unknown. sense ((instance) Module name: {DFHZNAC})**

Explanation: During intersystem connection, no matching TCTTE could be found.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is terminated.

User Response: Ensure that the name of the requested TCTTE is correctly specified in the requesting system.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3427 *E date time applid termid tranid* **Invalid parameter in bind area. sense ((instance) Module name: {DFHZNAC})**

Explanation: During intersystem connection, either one or more parameters contained in the bind area of the request were invalid, or were not supported.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is terminated.

User Response: Determine which parameters in the bind area are incorrect, and correct them.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3428 E *date time applid termid tranid Resynch error - Other logical unit did not resynchronize. sense ((instance) Module name: {DFHZRSY | DFHZSCX})*

Explanation: CICS expected a resynchronization process to occur during system initiation, but the logical unit (LU) did not resynchronize.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Modules: DFHZRSY, DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZSCX}*

DFHZC3429 E *date time applid termid tranid Resynch error - CICS did not resynchronize, other logical unit was expecting resynch. sense ((instance) Module name: {DFHZRSY | DFHZSYX})*

Explanation: CICS did not go through a resynchronization process that was expected to occur by the other LU.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Modules: DFHZRSY, DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZRSY, 4=DFHZRSY, 5=DFHZSYX}*

DFHZC3430 E *date time applid termid tranid Resynch error - Outbound flow sequence numbers do not agree. sense ((instance) Module name: {DFHZRSY})*

Explanation: The CICS outbound flow sequence number does not agree with that maintained by the other LU.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Module: DFHZRSY

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY}*

DFHZC3431 E *date time applid termid tranid Resynch error - inbound flow sequence numbers do not agree. sense ((instance) Module name: {DFHZRSY})*

Explanation: The logical sequence number for CICS inbound flow, as used by CICS in the set-and-test-sequence-number (STSN) request or response, does not agree with the sequence number for the same flow maintained by the other LU.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Module: DFHZRSY

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY}*

DFHZC3432 E *date time applid termid tranid Resynch error - unexpected code received in response to STSN. sense ((instance) Module name: {DFHZRSY})*

Explanation: "Test Positive", "Test Negative", or "Test Invalid" was not one of the codes in the response to STSN.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Module: DFHZRSY

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY, 2=DFHZRSY}*

DFHZC3433 E *date time applid termid tranid FMH7 was received on ISC session. Sense code is : xxxxxxxx{Error log data is : | No error log data received. | No error log data available. }xxxxxxx sense ((instance) Module name: {DFHZERH | DFHZRAC | DFHZRVX})*

Explanation: The transaction is communicating with a logical unit (LU) type LU6.1 or LU6.2.

The logical unit sent an FMH7 which may carry error log data. If error log data is included, then the text is inserted in this message.

For the meaning of the sense data, see the explanation on page 412.

System Action: The action taken depends upon the sense code.

User Response: If the receiving transaction is designed to handle this situation, no action is necessary. However, if this is not the case, use the sense code and any error log data to determine why the connected logical unit sent the FMH7.

If the connected LU is another CICS system, the error log data is a CICS message.

If the connected LU is not a CICS system, see that product's documentation for details of error log data. Some products permit the user to define the contents of error log data.

Destination: CSNE

Modules: DFHZRVX, DFHZRAC, DFHZERH

XMEOUT Parameters: *date, time, applid, termid, tranid, xxxxxxxx, {1=Error log data is : , 2=No error log data received. , 3=No error log data available. }, xxxxxxxx, sense, instance, {1=DFHZRVX, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZERH}*

DFHZC3434 E *date time applid termid tranid* **Unbind received while session still active.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: One side of the intersystem link (secondary) received an unbind command without normal termination protocol being observed. This means an abnormal termination of the session was performed, possibly caused by the other side of the intersystem link abnormally terminating.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is terminated.

User Response: Determine the cause of the termination by using CICS Trace and the diagnostic information available on the CSNE log. Try to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZSCX, 8=DFHZSCX, 9=DFHZSCX, 10=DFHZSCX}*

DFHZC3435 E *date time applid termid tranid* **Path error detected. Device cannot be contacted.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: VTAM can no longer transmit to a device because there is no access path to that device. This usually occurs because the device or 3270 has been powered off.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service. The session is terminated.

User Response: Determine the cause of the termination. Try to reestablish the session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3436 E *date time applid termid tranid* **End user not authorized.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A sense code has been received specifying that an unauthorized request was made to the remote node. The request was rejected.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is terminated.

User Response: Determine why the end user is not authorized to perform the request.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3437 I *date time applid termid tranid Node netname* **action taken:** *action ((instance) Module name: {DFHZNAC})*

Explanation: After an error has been processed by DFHZNAC, certain actions may be taken to correct the error. This message indicates the actions that were set. The actions taken can differ from the actions set, depending on the type and state of the node at the time of the error.

System Action:

<i>Action</i>	<i>Effect</i>
ABRECV	Cancel receive.
ABSEND	Cancel send.
ABTASK	Abend task
CLSDST	Close session.
GMM	Send good morning message.
OUTSRV	Place session out of service.
CREATE	Allow ATI to acquire the session if required.
NOCREATE	Do not allow ATI to acquire the session.
NEG RESP	Send an exception response.
SIMLOGON	Generate SIMLOGON request for the session.
CNTASK	Cancel the task.
SYSDUMP	Take a system dump.
PURGE BMS	Purge any BMS pages.

User Response: The user action depends on what action has been taken by the system. This is indicated by *action* in the message text.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, action, instance, {1=DFHZNAC}*

DFHZC3438 E *date time applid termid tranid* **Device powered off.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A request has been rejected by the logical unit because the associated device has been powered off. This message may be caused by operator action. For example, the TEST/NORMAL key may have been used.

For the meaning of the sense data, see the explanation on page 412.

System Action: The system waits for a logical unit status message and, when the message has been received, takes appropriate system action.

User Response: Correct the problem that relates to the device.

For the meaning of the sense codes, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3439 E *date time applid termid tranid* **Negative response received to SDT.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: A negative response has been received to the START DATA TRAFFIC (SDT) command.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3440 E *date time applid termid tranid* **Unable to send error message - session in free status.** *sense ((instance) Module name: {DFHZEMW})*

Explanation: DFHZEMW was attempting to write a message to another node, but was unable to do so because the session was in "between bracket" status.

In this state, it is not possible to send the message in the normal way. The session was in free status, probably because the application program had issued a SEND command with the LAST option.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: Check to see why the other node sent its request EXCEPTION response mode. Change the response mode to DEFINITE if error messages are to be sent.

Destination: CSNE

Module: DFHZEMW

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEMW, 2=DFHZEMW}*

DFHZC3441 I *date time applid* **Orderly termination of VTAM sessions requested.** *sense ((instance) Module name: {DFHZSHU})*

Explanation: A request for an orderly close of VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

For the meaning of the sense data, see the explanation on page 412.

System Action: All nodes are quiesced and each session is closed as it becomes inactive. When all sessions have been closed, the ACB is closed.

User Response: None.

Destination: CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU}*

DFHZC3442 I *date time applid* **Immediate termination of VTAM sessions requested.** *sense ((instance) Module name: {DFHZSHU | DFHZTPX | RESERVE})*

Explanation: A request for an immediate close of all VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

This message is also issued if V NET,ID=...,INACT is issued by the VTAM operator.

For the meaning of the sense data, see the explanation on page 412.

System Action: All requests on a VTAM session are abnormally terminated and the session is closed. The VTAM ACB is then closed.

If V NET,ID=...,INACT was issued by the VTAM operator, VTAM waits for all sessions to be closed before informing CICS. In this case there are no sessions to be abnormally terminated.

User Response: None.

Destination: CSNE

Modules: DFHZSHU, DFHZTPX

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU, 2=RESERVE, 3=RESERVE, 4=DFHZTPX, 5=DFHZSHU}*

DFHZC3443 I *date time applid* **VTAM has been cancelled or the ACB has been forceclosed. VTAM sessions terminated.** *sense ((instance) Module name: {DFHZSHU | DFHZSYX | DFHZTPX})*

Explanation: VTAM has been cancelled or force closed by the CICS/VTAM operator.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS will close its ACB. All transactions running on VTAM sessions are abnormally terminated.

User Response: None.

Destination: CSNE

Modules: DFHZSHU, DFHZTPX, DFHZSYX

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU, 3=DFHZSYX, 4=DFHZTPX, 5=DFHZSHU}*

DFHZC3444 E *date time applid termid tranid* **Unexpected condition detected during RECEIVE processing.** *sense ((instance) Module name: {DFHZRVS})*

Explanation: CICS has detected a data runaway condition while receiving data from terminal *termid*.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS terminates the session and places the terminal out of service. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: To determine the cause of this error,

- Check for a terminal malfunction, for example the device may be sending the same data repeatedly, or

- Check for a network problem.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC3445 E *date time applid termid tranid* **State error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: CICS has received a state error negative response (VTAM sense code 20yy).

For the meaning of the sense data, see the explanation on page 412.

System Action:

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error before restarting the session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3446 E *date time applid termid tranid* **Request error.** *sense ((instance) Module name: {DFHZNAC})*

+ **Explanation:** CICS has received a request error negative response (VTAM sense code 00yy or 10yy) for which it does not recognize the minor code yy.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3447 E *date time applid termid tranid* **Request reject error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: CICS has received a request reject negative response (VTAM sense code 08yy) for which it does not recognize the minor code yy.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3448 E *date time applid termid tranid* **Security identification error.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: CICS has received a negative response to a request to access a resource because it was not authorized. If it was an OPNDST (BIND) request, CICS did not send the authorization sequence expected by a logical unit. CICS does not support the security feature in the bind.

For the meaning of the sense data, see the explanation on page 412.

System Action: The logical unit is placed out of service and the session is closed.

User Response: CICS does not support the security feature in the bind. Modify the authorization parameters in the remote logical unit so that it does not require authorization to initiate a session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3449 I *date time applid termid tranid* **Leaving unattended mode.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: CICS has received a status message from a logical unit indicating that the terminal is now attended.

Note that this is the default mode of operation.

For the meaning of the sense data, see the explanation on page 412.

System Action: The mode of operation bit TCTEMOPU is reset in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3450 I *date time applid termid tranid* **Entering unattended mode.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: CICS has received a status message from a logical unit indicating that the terminal is no longer attended.

For the meaning of the sense data, see the explanation on page 412.

System Action: The mode of operation bit TCTEMOPU is set in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3451 I *date time applid termid tranid* **Currently no data to send. sense ((instance) Module name: {DFHZNAC})**

Explanation: Following the issue of a READ command to a logical unit, or the completion of a transaction associated with the logical unit, CICS has received a status message from the logical unit indicating that it currently has no data to send.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a data interchange (DFHDI) receive request is outstanding, it will complete with DSSTAT condition and a response code X'15'.

If no task is active and no work is outstanding for the terminal, the soft CLSDEST action flag is set and DFHZNEP is called. Unless it is reset by DFHZNEP, the session is terminated.

User Response: Ensure that no more receive requests are issued to the terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3452 E *date time applid termid tranid* **Signal received - Code xxxx. sense ((instance) Module name: {DFHZASX})**

Explanation: CICS has received a SIGNAL command from a logical unit. The SIGNAL codes received with the SIGNAL command are made available to the DFHZNEP user program.

If a task is active, the SIGNAL condition is raised on return to the application program. This message is produced only when SIGNAL codes are passed to the node abnormal condition program (DFHZNAC). CICS does this for Type 4 logical units only.

For the meaning of the sense data, see the explanation on page 412.

System Action: If the SIGNAL code is 0001 0000 (request change direction), any further output request will cause the IREQCD condition to be raised. All SIGNAL codes will cause the SIGNAL condition to be raised.

User Response: For logical units for which CICS enforces SIGNAL request change direction, if the code is 0001 0000, issue a receive request or terminate transaction *tranid*.

If the code is NOT 0001 0000, terminate transaction *tranid* and refer to the *VTAM Programming* manual for further guidance.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, xxxx, sense, instance, {1=DFHZASX, 2=DFHZASX}*

DFHZC3453 E *date time applid termid tranid* **RH usage error. sense ((instance) Module name: {DFHZNAC})**

Explanation: CICS has received a request header (RH) usage error negative response for which it does not recognize the minor code *yy*.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3454 E *date time applid termid tranid* **Session initiation failure. Bind response from node *netname* is unacceptable. sense ((instance) Module name: {DFHZOPX})**

Explanation: A remote secondary's response to a negotiable bind contained unacceptable parameters.

For the meaning of the sense data, see the explanation on page 412.

System Action: Session initialization fails. The sent and received bind parameters are printed on the CSNE log.

User Response: Look at the parameters printed on the CSNE log. Ensure that the remote system has correctly specified its characteristics. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZOPX, 4=DFHZOPX, 5=DFHZOPX, 6=DFHZOPX, 7=DFHZOPX, 8=DFHZOPX, 9=DFHZOPX, 10=DFHZOPX, 11=DFHZOPX, 12=DFHZOPX, 13=DFHZOPX, 14=DFHZOPX, 15=DFHZOPX, 16=DFHZOPX, 17=DFHZOPX, 18=DFHZOPX, 19=DFHZOPX, 20=DFHZOPX, 21=DFHZOPX, 22=DFHZOPX, 23=DFHZOPX, 24=DFHZOPX, 25=DFHZOPX, 26=DFHZOPX, 27=DFHZOPX, 28=DFHZOPX, 29=DFHZOPX, 30=DFHZOPX, 31=DFHZOPX, 32=DFHZOPX, 33=DFHZOPX, 34=DFHZOPX, 35=DFHZOPX, 36=DFHZOPX, 37=DFHZOPX, 38=DFHZOPX, 39=DFHZOPX, 40=DFHZOPX, 41=DFHZOPX, 42=DFHZOPX, 43=DFHZOPX, 44=DFHZOPX, 45=DFHZOPX}*

DFHZC3455 E *date time applid termid tranid* **Session initiation failure. Bind response from node *netname* contains an invalid session qualifier pair. sense ((instance) Module name: {DFHZOPX})**

Explanation: A remote secondary's response to a negotiable bind contained an invalid session qualifier pair in the user data field. Either it had an invalid format, or the primary SQ had been altered.

For the meaning of the sense data, see the explanation on page 412.

System Action: Session initialization fails. The sent and received bind images are printed on the CSNE log.

User Response: Correct the error in the remote system. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZOPX}*

DFHZC3456 E *date time applid termid tranid* **No outboard formats loaded.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: An outboard format has been referenced, but no outboard formats are loaded on this logical unit.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the necessary outboard formats.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3457 E *date time applid termid tranid* **Requested outboard format not loaded.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: An outboard format has been referenced, but the requested format is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the requested outboard format.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3458 E *date time applid termid tranid* **Requested format group not loaded.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: An outbound format group has been referenced, but that format group is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the required format group.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3459 E *date time applid termid tranid* **Unsupported data stream.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The data stream sent to the device contains control data for functions that the device does not support.

For the meaning of the sense data, see the explanation on page 412.

System Action: Transaction *tranid* is abnormally terminated.

User Response: Either ensure that transaction *tranid* is not run against the terminal, or change the terminal to one that supports the data stream.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3460 E *date time applid termid tranid* **Requested character set not present.** *sense ((instance) Module name: {DFHZNAC})*

Explanation: The Referenced Logical Character Set Identifier (LCID) specified in the define alternate character set is not known.

For the meaning of the sense data, see the explanation on page 412.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Ensure that the character set referenced by the LCID is loaded.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3461 I *date time applid termid tranid Node netname* **session started.** *sense ((instance) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPX})*

Explanation: CICS has successfully issued or received a bind to the node *netname*.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Modules: DFHZOPX, DFHZEV1, DFHZEV2

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC3462 I *date time applid termid tranid Node netname session terminated. sense ((instance) Module name: {DFHZCLS})*

Explanation: A session with node *netname* has been closed.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZCLS

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZCLS, 2=DFHZCLS}*

DFHZC3463 I *date time applid VTAM ACB opened. VTAM Return Code = X'rc'. Time = time sense ((instance) Module name: {DFHZOPA})*

Explanation: The master terminal operator issued a CEMT or CSMT command to open the VTAM ACB.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: If the return code is zero, VTAM sessions can be enabled.

If the return code X'rc' is not zero, see *ACF/VTAM Messages and Codes* to determine why the VTAM ACB was not opened.

Destination: CSNE

Module: DFHZOPA

XMEOUT Parameters: *date, time, applid, X'rc', time, sense, instance, {1=DFHZOPA}*

DFHZC3464 I *date time applid termid tranid Node netname released by MT Operator/LU Services Manager. sense ((instance) Module name: {DFHZSTU})*

Explanation: The master terminal operator issued a CEMT command to release the logical unit (LU).

For the meaning of the sense data, see the explanation on page 412.

System Action: The LU is closed. Any task associated with the LU is terminated either abnormally (if the master terminal operator so desired) or normally.

User Response: None.

Destination: CSNE

Module: DFHZSTU

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSTU}*

DFHZC3465 E *date time applid termid tranid Unexpected response received. sense ((instance) Module name: {DFHZRAC | DFHZRLP | DFHZRVX})*

Explanation: CICS received a positive response in one of the following circumstances:

- The response was to data sent with exception response
- The response was to a command sent with exception response
- The response was to a send to which a response has already been sent.

For the meaning of the sense data, see the explanation on page 412.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Destination: CSNE

Modules: DFHZRVX, DFHZRAC, DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRVX, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRAC, 12=DFHZRAC}*

DFHZC3466 E *date time applid termid tranid Out of session during session start up .sense ((instance) Module name: {DFHZSEX | DFHZSKR})*

Explanation: A CICS master terminal command was used to put terminal *termid* out of service while session startup was taking place.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is terminated and the TCTTE for terminal *termid* is left out of service.

User Response: To establish the session for use, the master terminal operator should issue the command CEMT SET TER (XXXX) INS ACQ. This puts the terminal back in service, and start up the session for use.

Destination: CSNE

Modules: DFHZSEX, DFHZSKR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSKR}*

DFHZC3467 E *date time applid termid tranid Permanent insufficient resource. sense ((instance) Module name: {DFHZNAC})*

Explanation: The PS buffer resource required by load PS is not available.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Look at the CSNE log. A second message with a sense received code of 084C should have been issued. Refer to this message in the *VTAM Programming* manual for full details.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3468 E *date time applid termid tranid* **CLEAR command received.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: An SNA clear command was received by the node. The other end of the session was unable to handle the current requests for some reason, and purged any outstanding messages on the session.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is canceled immediately, and any transaction executing on that session is also abnormally terminated and a transaction dump is produced.

User Response: Check the other end of the session to determine why the clear command was sent. It may be due to a lack of buffers in the VTAM region attached to the other session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3469 E *date time applid termid tranid* **Session re-establishment being awaited.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: The secondary LU is being passed to a new application program via CLSDST(PASS).

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3470 E *date time applid termid tranid* **LU session failure caused by:** *{restart/takeover. LU does not support ACTLU(ERP). | route extension to cluster failed. | LU abend, discontact, DACTPU or ANS. }sense ((instance) Module name: {DFHZSCX})*

Explanation: An LU session has failed because an UNBIND command has been received.

Possible reasons are:

- Restart or takeover. LU does not support ACTLU(ERP)
- Route extension to cluster failed
- Session failed due to LU abend, disconnect, DACTPU, or ANS.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the symptom string, a VTAM trace, and the dump, if available, to determine the source of the UNBIND before attempting to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, {1=restart/takeover. LU does not support ACTLU(ERP)., 2=route extension to cluster failed., 3=LU abend, discontact, DACTPU or ANS. }, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX}*

DFHZC3471 E *date time applid termid tranid* **Virtual route inoperative.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: The session has been broken because the virtual route it was using has failed.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. For APPC sessions, CICS attempts to reestablish the failing session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3472 E *date time applid termid tranid* **Device end received.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: Device end was received from a non-SNA VTAM supported 3270

For the meaning of the sense data, see the explanation on page 412.

System Action: The good morning message is displayed, unless the terminal is associated with an active task.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC3474 E *date time applid termid tranid* **Virtual route deactivated.** *sense ((instance) Module name: {DFHZSCX})*

Explanation: The session has had to be deactivated because of a forced deactivation of the virtual route being used.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Afterwards CICS attempts to reestablish the session.

User Response: Determine the cause of the session failure and attempt to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFH3C3475 E *date time applid termid tranid* **Unrecoverable LU failure.** *sense ((instance) Module name: {DFH3C3475})*

Explanation: The session has had to be deactivated because of an abnormal termination of an LU.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Session reinitiation is not attempted.

User Response: None.

Destination: CSNE

Module: DFH3C3475

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3475}*

DFH3C3476 E *date time applid termid tranid* **Recoverable LU failure.** *sense ((instance) Module name: {DFH3C3476})*

Explanation: The session has had to be deactivated because of an abnormal termination of an LU; recovery of the session may be possible.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User Response: None.

Destination: CSNE

Module: DFH3C3476

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3476}*

DFH3C3477 E *date time applid termid tranid* **Cleanup received.** *sense ((instance) Module name: {DFH3C3477})*

Explanation: The sending LU has reset its half-session before receiving a response from CICS; recovery of the session may be possible.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User Response: None.

Destination: CSNE

Module: DFH3C3477

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3477}*

DFH3C3479 E *date time applid termid tranid* **Unbind received after session failure detected.** *sense ((instance) Module name: {DFH3C3479})*

Explanation: The logical unit in session with CICS has detected a session failure, and has unbound the session with CICS.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session is terminated, and the transaction using it is abnormally terminated or informed by return code.

#

APAR PQ16271

#

Paragraph deleted from message DFH3C3479

User Response: Determine the reason for the session failure by using Trace. Check the CSNE log for a second error message associated with DFH3C3479. This message should be located immediately after DFH3C3479.

Refer to the sense code shown in the associated message.

Destination: CSNE

Module: DFH3C3479

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3479, 2=DFH3C3479}*

DFH3C3480 E *date time applid termid tranid* **Session could not be started due to insufficient CICS nucleus function - ISC not loaded.** *sense ((instance) Module name: {DFH3C3480 | DFH3C3480 | DFH3C3480})*

Explanation: A session initiation has been attempted to an APPC system or terminal. The session cannot be established because the CICS ISC nucleus modules are required.

For the meaning of the sense data, see the explanation on page 412.

System Action: The session initiation request is rejected.

User Response: If APPC connections are to be used, ensure that ISC=NO is not used for CICS initialization.

Destination: CSNE

Modules: DFH3C3480, DFH3C3480, DFH3C3480

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3480, 2=DFH3C3480, 3=DFH3C3480}*

DFH3C3481 E *date time applid termid tranid* **3270 Data Stream protocol error.** *sense ((instance) Module name: {DFH3C3481 | DFH3C3481})*

Explanation: CICS has received zero length data from a device defined in the TCT as a 3270 terminal. This violates the protocol for 3270 devices.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS cancels the session and any transactions attached to the terminal.

User Response: Determine why zero length data was received from a device purporting to be a 3270 terminal, and correct the error.

The most likely reasons are an incorrect TCT definition for the terminal, or incorrect programming of a terminal that is simulating 3270 protocols.

Destination: CSNE

Modules: DFH3C3481, DFH3C3481

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFH3C3481, 2=DFH3C3481}*

DFHZC3482 E *date time applid tranid* Logon from node *nodeid* rejected. Insufficient storage for autoinstall request. *sense ((instance) Module name: {DFHZLGX | DFHZSCX})*

Explanation: A node *nodeid*, unknown to CICS, attempted to logon. CICS could not obtain sufficient storage to complete autoinstall processing.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the logon request.

User Response: Retry the logon.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX

XMEOUT Parameters: *date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZLGX, 3=DFHZSCX, 4=DFHZSCX}*

DFHZC3484 I *date time applid netname* is now connected to *applid*. *sense ((instance) Module name: {DFHZNSP})*

Explanation: By successful execution of an ISSUE PASS command, a VTAM logical unit whose network name is *netname* has been passed to the VTAM application whose VTAM APPLID (*netname*) is *applid*.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS processing continues.

User Response: None.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, netname, applid, sense, instance, {1=DFHZNSP}*

DFHZC3485 E *date time applid netname* A CLSDST Pass Procedure error occurred at *applid*. Status byte *xx* Reason byte *yy*. *sense ((instance) Module name: {DFHZNSP})*

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*, to a system whose VTAM APPLID is *applid*. VTAM has notified CICS of an error at *applid*.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS saves the status byte *xx* and reason byte *yy* passed by VTAM in the Notify Request Unit. CICS processing continues.

User Response: The reason for the error can be determined by investigating the status byte *xx* and reason byte *yy* given in the message. These bytes are documented in the NSEXIT routine section of *VTAM Programming* (SC23-0115).

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, netname, applid, xx, yy, sense, instance, {1=DFHZNSP}*

DFHZC3486 E *date time applid netname* The named LU cannot be connected for sessions at *applid*. *sense ((instance) Module name: {DFHZSYX})*

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*, to a system whose VTAM APPLID is *applid*. VTAM has notified CICS that *applid* is currently not available.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, netname, applid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC3487 E *date time applid netname* Unable to PASS to node *nodeid*. CLSDST PASS is not authorized. *sense ((instance) Module name: {DFHZLEX})*

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*. VTAM has notified CICS that CICS is not authorized to use this function.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS continues.

CICS may or may not be able to display the *applid* it was being passed. If CICS can display this *applid*, it appears in the text of this message.

User Response: To use the ISSUE PASS command, you must code AUTH=PASS on the VTAM definition of the CICS APPL, then reactivate the APPL.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, netname, nodeid, sense, instance, {1=DFHZLEX, 2=DFHZLEX}*

DFHZC3488 E *date time applid netname* ISC session connection failure. *sense ((instance) Module name: {DFHZSIX})*

Explanation: A simlogon request to an ISC system was rejected because the *netname* was not known. CICS has now issued the INQUIRE OPTCD=USERVAR command in order to determine if *netname* had been defined as a user variable. That INQUIRE command has been rejected because the user variable does not exist in the USERVAR table. This may be because the USERVAR is either not known or invalid, or the MODIFY USERVAR command has not been issued to define the user variable.

For the meaning of the sense data, see the explanation on page 412.

System Action: CLSDST is issued to reset the session.

User Response: Determine if the netname has been defined correctly to CICS. If the netname is to be used as a user variable then determine why the MODIFY USERVAR command has not been issued to set it.

Destination: CSNE

Module: DFHZSIX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZSIX}*

DFHZC3489 E *date time applid netname* **The LU is inhibited for sessions.** *sense ((instance) Module name: {DFHZSYX})*

Explanation: CICS has attempted to acquire a session to the logical unit (LU), but VTAM has rejected the request because the LU is inhibited for sessions.

The partner LU could be inhibited because it has issued the VTAM macro SETLOGON OPTCD=QUIESCE.

For the meaning of the sense data, see the explanation on page 412.

System Action: The request is rejected and the session is set into NOINTLOG state to prevent further requests being issued.

User Response: After the partner LU has enabled itself, it can initiate the session request to CICS. Alternatively, the CICS master terminal operator could reset the NOINTLOG state and allow CICS to initiate the session request.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZSYX}*

DFHZC3490 E *date time applid netname* **Unable to pass to node** *nodeid. sense ((instance) Module name: {DFHZCLX | DFHZLEX | DFHZSYX})*

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of the named VTAM logical unit to a system identified as node *nodeid*. VTAM has notified CICS that this request has failed.

For the meaning of the sense data, see the explanation on page 412.

System Action: A VTAM CLSDST macro is issued to halt communication with the node.

User Response: Ensure that the node *nodeid* is defined and active to VTAM.

Destination: CSNE

Modules: DFHZSYX, DFHZLEX, DFHZCLX

XMEOUT Parameters: *date, time, applid, netname, nodeid, sense, instance, {1=DFHZLEX, 2=DFHZSYX, 3=DFHZCLX}*

DFHZC3491 E *date time applid netname* **Unable to make session XRF capable.** *sense ((instance) Module name: {DFHZLEX})*

Explanation: The active CICS system has attempted to OPNDST the session as "XRF capable", but has been refused because the Network Control Program (NCP) has insufficient space to hold the control blocks for a future backup session from the alternate CICS system.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS performs a SIMLOGON, but does not deem the session to be "XRF capable". CICS therefore treats the terminal as class 2.

User Response: No immediate action is necessary. You may need to increase the number of buffers in the NCP.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZLEX}*

DFHZC3492 E *date time applid tranid* **Logon for node** *nodeid* **contained invalid NIBUSER token.** *sense ((instance) Module name: {DFHZLGX})*

Explanation: DFHZLGX has been driven for SIMLOGON with a token that is no longer a valid TCTTE address.

For the meaning of the sense data, see the explanation on page 412.

System Action: An unexpected condition has occurred during SIMLOGON. CICS will continue processing normally.

User Response: None.

Destination: CSNE

Module: DFHZLGX

XMEOUT Parameters: *date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX}*

DFHZC3493 E *date time applid termid tranid* **Invalid device type for a print request.** *sense ((instance) Module name : {DFHZARQ})*

Explanation: A print function was requested on a 3270 information display system. However, the print function was unable to find an eligible printer because the function does not support the device type.

For the meaning of the sense data, see the explanation on page 412.

System Action: If no other action is specified in the network error program (NEP), the print request is halted. CICS processing continues.

User Response: Check that the printers specified for the information display system are valid. Valid devices are 3270P and LUTYPE3

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC3494 E *date time applid termid tranid* **Request error** *sense ((instance) Module name : {DFHZNAC})*

Explanation: The request unit (RU) received by the secondary logical unit (LU) contains a request which terminal *termid* cannot handle.

For the meaning of the sense data, see the explanation on page 412.

System Action: All send and receive requests are purged and transaction *tranid* is abnormally terminated with a dump.

User Response: Check that the TYPETERM specifications for terminal *termid* are valid. This error could occur if, for example, QUERY was sent to a nonqueriable 3270 defined with QUERY=COLDJALL.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3495 E *date time applid* **Logon occurred for terminal with netname *netname* before Notify received sense ((instance) Module name : {DFHZLGX})**

Explanation: A terminal with netname *netname* has logged on before a NOTIFY request was received for an outstanding CLSDST PASS with CLSDST=NOTIFY.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS processing continues. Any subsequent NOTIFY requests for the terminal identified will be ignored.

User Response: It is recommended that any user processing for CLSDST PASS messages incorporates this message.

Destination: CSNE

Module: DFHZLGX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZLGX}*

DFHZC3496 E *date time applid* **System dump has been taken for terminal *termid* ((instance) Module name: {DFHZNAC})**

Explanation: Terminal *termid* has been found to be in error by terminal control.

As terminal *termid* had no task attached to it at the time of the error, DFHZNAC was unable to cause a transaction abend with a transaction dump.

The TWAODNTA flag in the DFHZNAC-DFHZNEP commarea is set ON and DFHZNAC produces a system dump for terminal *termid* instead.

System Action: An exception trace entry is made in the trace table at trace point FC73.

A system dump is produced unless you have specifically suppressed dumps in the dump table.

User Response: To determine the nature of the problem that caused the dump to be taken, refer to the CSNE log. There should be an associated CICS message which will provide further information.

For more information about TWAODNTA, refer to the *CICS/ESA Customization Guide*.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, instance, {1=DFHZNAC}*

DFHZC3497 E *date time applid* **Link to module DFHZNEP from DFHZNAC failed because {module DFHZNEP is not AMODE 31. | module DFHZNEP could not be loaded. | module DFHZNEP could not be autoinstalled. | of an unexpected error.} ((instance) Module name: {DFHZNAC})**

Explanation: While processing an error for a VTAM terminal, CICS attempted to link to user-replaceable module DFHZNEP. The link failed.

See message DFHZC3437 for the default action or actions taken.

System Action: The default action or actions set by DFHZNAC are taken.

User Response: The reason for the failure is specified in the message. Possible solutions are:

- Ensure that DFHZNEP is linked with AMODE 31.
- Ensure that DFHZNEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that there is a valid entry for DFHZNEP in the PPT, and that DFHZNEP can be successfully autoinstalled.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, {1=module DFHZNEP is not AMODE 31., 2=module DFHZNEP could not be loaded., 3=module DFHZNEP could not be autoinstalled., 4=of an unexpected error.}, instance, {1=DFHZNAC}*

DFHZC3498 E *date time applid* **Abend *abcode* has occurred in module DFHZNEP. ((instance) Module name: {DFHZNAC})**

Explanation: While processing an error for a VTAM terminal, user-replaceable module DFHZNEP was linked and the program abended with abend code *abcode*. See message DFHZC3437 for the default action or actions that are taken.

System Action: Control is passed back to the calling module, DFHZNAC. DFHZNAC reinstates the default actions set before DFHZNEP was called. The actions are then taken.

User Response: Refer to abend code *abcode* for details of the original error. Follow the user response given in the abend code to solve the problem.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, abcode, instance, {1=DFHZNAC}*

DFHZC3499 E *date time applid* **OS Getmain failure in module DFH*modname* with return code X'*return_code*' while attempting to process message DFHZC*message_number*. sense ((instance) Module name: {DFHZATA | DFHZLEX | DFHZLGX | DFHZRAC | DFHZSCX | DFHZSHU | DFHZSYX | DFHZTPX})**

Explanation: An error has been detected by module *modname*. The OS GETMAIN request by this module has failed with return code X'*return_code*', and as a result, the diagnostic information relating to the original error has not been saved and cannot be processed by DFHZNAC.

The only information available for diagnosis of the error is *message_number* which is the number of the message that would have been issued had the OS GETMAIN request not failed.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues normally.

User Response: Refer to message *message_number* for further guidance.

Refer to the *MVS System Programming Library: Macro Reference* for the meaning of the OS GETMAIN return code.

Destination: CSNE

Modules: DFHZATA, DFHZLGX, DFHZRAC, DFHZSCX, DFHZSHU, DFHZTPX, DFHZLEX, DFHZSYX

XMEOUT Parameters: *date, time, applid, modname, X'return_code', message_number, sense, instance, {1=DFHZLEX, 2=DFHZSHU, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSYX, 6=DFHZSYX, 7=DFHZTPX, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZATA, 11=DFHZLGX, 12=DFHZLGX}*

```
# _____ APAR PQ21933 _____
# Corrections to message DFHZC4900I
```

```
# DFHZC4900 I date time applid termid tranid CNOS {sent to |
# received from} Node netname System sysid
# Modename modename, Max = n1, Win=n2, {race
# detected | successful | values amended | modename
# not recognized | modename closed | CNOS failed}.
# ((instance) Module name: {DFHZGCN})
```

Explanation: A CHANGE-NUMBER-OF-SESSIONS command has been sent or received. The inserts are identified as follows:

- *sysid* is the system identifier.
- *modename* is the modename.
- *n1* is the maximum session count.
- *n2* is the maximum source contention winner sessions.

If the "values amended" option is displayed, the values of the *n1* (maximum session count) and *n2* (maximum source contention winner sessions) have been renegotiated by the target system.

If the "race detected" option is displayed, the CNOS command could not be implemented because the modename *modename* was already locked for a CNOS command from the other system.

```
# _____ APAR PQ21933 _____
# Corrections to message DFHZC4900I
```

```
# If the "CNOS failed" option is displayed, the CNOS command could
# not be implemented because the modename lock was still held on
# the remote system when a second CNOS command was sent by
# this CICS, as the CNOS race winner, following a previous CNOS
# race condition.
```

```
# _____ APAR PQ26111 _____
```

```
# If a modename of ALL is produced, it has been set internally by
# CICS and all of the modegroups for this connection will be affected
# by the CNOS command.
```

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

```
# _____ APAR PQ21933 _____
# Corrections to message DFHZC4900I
```

```
# XMEOUT Parameters: date, time, applid, termid, tranid, {1=sent to,
# 2=received from}, netname, sysid, modename, n1, n2, {1=race
# detected, 2=successful, 3=values amended, 4=modename not
# recognized, 5=modename closed, 6=CNOS failed}, instance,
# {1=DFHZGCN}
```

DFHZC4901 I *date time applid termid tranid Node netname System sysid Modename modename, Negotiated values: Max=n1, Win=n2. ((instance) Module name: {DFHZGCN})*

Explanation:

- *modename* is the modename,
- *n1* is the maximum session count,
- *n2* is the maximum source contention winner sessions.

This message follows message DFHZC4900 when the maximum session count (*n1*) and the maximum source contention winner sessions (*n2*) have been renegotiated.

```
# _____ APAR PQ26111 _____
```

```
# If a modename of ALL is produced, it has been set internally by
# CICS and all of the modegroups for this connection will be affected
# by the CNOS command.
```

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sysid, modename, n1, n2, instance, {1=DFHZGCN}*

DFHZC4902 E *date time applid termid tranid Attach FMH or subfield length error. sense ((instance) Module name: {DFHZATT})*

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the function management header (FMH) length or in the length of one of the subfields. As a result, CICS is unable to determine which task to attach.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is sending an invalid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT, 4=DFHZATT, 5=DFHZATT, 6=DFHZATT, 7=DFHZATT}*

DFHZC4903 E *date time applid termid tranid Attach FMH not found. sense ((instance) Module name: {DFHZATT})*

Explanation: A request to attach a task has been received across an APPC link. However, no APPC attach header has been found at the start of the input data stream.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is failing to send a valid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT}*

DFHZC4904 E *date time applid termid tranid* **Bracket FSM error.**
sense ((instance) Module name: {DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX})

Explanation: The bracket finite state machine (FSM) has reported an error in the use of APPC bracket protocols.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZSDL, 6=DFHZSDL, 7=DFHZSLX, 8=DFHZSLX, 9=DFHZSLX, 10=DFHZSLX, 11=DFHZSLX, 12=DFHZSLX, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC}*

DFHZC4905 E *date time applid termid tranid* **Chain FSM error.**
sense ((instance) Module name: {DFHZDET | DFHZERH | DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX})

Explanation: The chain finite state machine (FSM) has reported an error in the use of APPC chaining protocols.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, investigate any transactions running on the session at the time of failure because the error can be caused by using both the LAST and WAIT options on an EXEC CICS SEND command in an APPC DTP application. This combination of parameters is not recommended. See the *CICS/ESA Distributed Transaction Programming Guide* for more information. If this is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX, DFHZERH, DFHZDET

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZRLP, 6=DFHZRLP, 7=DFHZRLP, 8=DFHZDET, 9=DFHZERH, 10=DFHZSDL, 11=DFHZSDL, 12=DFHZSLX, 13=DFHZSLX, 14=DFHZSLX, 15=DFHZSLX, 16=DFHZSLX, 17=DFHZSLX, 18=DFHZSLX, 19=DFHZSLX, 20=DFHZSLX, 21=DFHZSLX, 22=DFHZRAC, 23=DFHZRAC, 24=DFHZRAC, 25=DFHZRAC, 26=DFHZRAC, 27=DFHZRAC, 28=DFHZRAC}*

DFHZC4906 E *date time applid termid tranid* **Contention FSM error.**
sense ((instance) Module name: {DFHZDET | DFHZRAC | DFHZRLP})

Explanation: The contention finite state machine (FSM) has reported an error in the use of APPC contention protocols.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZDET DFHZCC

+ APAR PN91358

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZDET, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRLP, 15=DFHZRAC, 16=DFHZRAC}*

DFHZC4907 E *date time applid termid tranid* **Invalid request to send data routine.**
sense ((instance) Module name: {DFHZSDL})

Explanation: DFHZSDL was entered, but no valid request was passed to it.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZSDL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL, 2=DFHZSDL, 3=DFHZSDL, 4=DFHZSDL, 5=DFHZSDL}*

DFHZC4909 E *date time applid termid tranid* **Invalid request to receive data routine.** *sense ((instance) Module name: {DFHZRVL})*

Explanation: DFHZRVL was entered, but no valid request was passed.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRVL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL}*

DFHZC4910 E *date time applid termid tranid* **Receive buffer too small.** *sense ((instance) Module name: {DFHZRVL})*

Explanation: The receive buffer passed to DFHRVL is too small to accommodate a maximum size request unit.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task will be abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRVL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL, 2=DFHZRVL, 3=DFHZRVL, 4=DFHZRVL}*

DFHZC4911 E *date time applid termid tranid* **LU6.2 exception response received.** *sense ((instance) Module name: {DFHZRPL})*

Explanation: A non-process-level exception response has been received.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. Try to recreate the error by running a VTAM trace TYPE=IO/BUF to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRPL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRPL}*

DFHZC4912 E *date time applid termid tranid* **BID received with invalid DFC indicators.** *sense ((instance) Module name: {DFHZRAC | DFHZRPL})*

Explanation: BID with data received, but not OIC.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Modules: DFHZRAC, DFHZRPL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRPL, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC4913 E *date time applid termid tranid* **BID with data received with invalid DFC indicators.** *sense ((instance) Module name: {DFHZRPL})*

Explanation: A BID with data was received in an invalid state for rejection.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRPL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRPL, 2=DFHZRPL, 3=DFHZRPL, 4=DFHZRPL}*

DFHZC4914 E *date time applid termid tranid* **Data length exceed max RU size.** *sense ((instance) Module name: {DFHZRPL})*

Explanation: The record length received exceeds the buffer length.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRPL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRPL}*

DFHZC4915 E *date time applid termid tranid* **EOC received with invalid DFC indicators. sense ((instance) Module name: {DFHZRLP})**

Explanation: An end chain was received with invalid DFC indicators.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4916 E *date time applid termid tranid* **Send response failed. sense ((instance) Module name: {DFHZRLP})**

Explanation: A response, sent to acknowledge successful receipt of data, was rejected by VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4917 E *date time applid termid tranid* **BIS received with invalid DFC indicators. sense ((instance) Module name: {DFHZRLP})**

Explanation: Bracket initiation stopped (BIS) received with invalid DFC flags.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP}*

DFHZC4918 E *date time applid termid tranid* **Unexpected response received. sense ((instance) Module name: {DFHZRLP})**

Explanation: An unexpected response was received that was either a positive response to data of a previous bracket, or a response to a command that cannot be accepted when the logical unit is in "continue specific" mode.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on a APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZRLP}*

DFHZC4919 E *date time applid termid tranid* **Invalid indicators received. sense ((instance) Module name: {DFHZARER | DFHZARL})**

Explanation: An indicator other than CD, CEB, RQD2, or error response has been received.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZARL, DFHZARER, DFHZARL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARL, 3=DFHZARL, 4=DFHZARL, 5=DFHZARER}*

DFHZC4920 E *date time applid termid tranid* **Invalid data received. sense ((instance) Module name: {DFHZARER | DFHZARL | DFHZERH})**

Explanation: Data received from the remote system or terminal is not in correct generalized data stream (GDS) format.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZARL, DFHZARER, DFHZERH

DFHZC4921 E

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZERH, 2=DFHZERH, 3=DFHZERH, 4=DFHZERH, 5=DFHZERH, 6=DFHZERH, 7=DFHZARL, 8=DFHZARL, 9=DFHZARL, 10=DFHZARER, 11=DFHZARER, 12=DFHZARER}*

DFHZC4921 E *date time applid sysid* LU services manager failure. R15 =X'xxxxx' R0 =X'yyyyy'

Explanation: An error situation has been detected during the operation of the LU services manager transaction program (DFHLUP).

Registers 15 and 0 are set to indicate the nature of the error as shown below:

Register 15 = X'0' Task invalidly started ...
Register 0 = X'3' ... via a perm transid.
Register 0 = X'4' ... by a TD trigger.
Register 0 = X'5' ... without data.
Register 0 = >X'6' ... or is out of range of
a valid start code for this service.

Register 15 = X'4' Call code did not match a
supported function (1-5).
Register 0 = call code

Register 15 = X'8' Invalid parameters passed
for this function.
Register 0 = keyword #

Register 15 = X'0C' Function-specific checks
failed for this keyword.
Register 0 = keyword #

Register 15 = X'10' No input data supplied.
Register 0 = -0 The IC_GET for the TS START
data failed.
Register 0 = X'0' The LUTYPE6.2 RECEIVE
returned data
length=0.

Register 15 = X'14' The GDS-ID is not for XLN.
Register 0 = GDS-ID

System Action: The task is allowed to complete but the required function is not executed.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If one of the errors mentioned above has occurred, try to discover the reason for the failure. If you fail in this, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHLUP

XMEOUT Parameters: *date, time, applid, sysid, X'xxxxx', X'yyyyy'*

DFHZC4922 E *date time applid termid tranid* Single session shutdown with DRAIN=CLOSE. *sense ((instance) Module name: {DFHZERH | DFHZRAC})*

Explanation: The connected logical unit has sent Bracket Initiation Stopped (BIS) and can accept no more work.

For the meaning of the sense data, see the explanation on page 412.

System Action: If a conversation was active, it is treated as

though rollback had occurred on it for full syncpoint (syncpoint level 2), or as session failure for confirm-level syncpoint (syncpoint level 1).

If there was no conversation, it is treated as a BID failure (as for 0813 sense code).

User Response: None.

Destination: CSNE

Modules: DFHZRAC, DFHZERH

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZERH}*

DFHZC4923 I *date time applid termid tranid* Conversation abnormally terminated by transaction end in system *sysid*

Explanation: Transaction *tranid*, engaged in an SNA session with a CICS system, issued a command that was inconsistent with the transaction's current state in the conversation.

System Action: The conversation terminates and CICS sends this message to the connected logical unit at the nonfailing end of the conversation.

The application in system *sysid* abnormally terminates with an abend.

User Response: Correct the application program. To find the command in error, use the state diagrams in the *CICS/ESA Intercommunication Guide*.

Destination: CSMT

Module: DFHZARL

XMEOUT Parameters: *date, time, applid, termid, tranid, sysid*

DFHZC4924 E *date time applid termid tranid* Bind security password missing or invalid. *sense ((instance) Module name: {DFHZOPX | DFHZSCX})*

Explanation: Bind-time security data sent to CICS by its partner LU is missing or invalid. CICS's password for the partner LU system differs from the partner's password for CICS. This can be caused by an attempt to sign on to CICS by an unauthorized user.

For the meaning of the sense data, see the explanation on page 412.

System Action: The bind is rejected.

User Response: Check that an unauthorized user has not tried to log on to CICS. Ensure that the unsuccessful connection is correctly defined to CICS (using RDO or the DFHTCT macro) and to its partner LU system. Ensure that the security requirements are equal at both partners, that is, both have security off, or both have security on. A mismatch is one cause of this message.

Destination: CSNE

Modules: DFHZSCX, DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZOPX, 7=DFHZOPX, 8=DFHZOPX, 9=DFHZOPX, 10=DFHZSCX}*

DFHZC4925 E *date time applid termid tranid* **Inconsistent attach security required.** *sense ((instance)* **Module name: {DFHZOPN | DFHZOPX}**)

Explanation: This message can be issued for any of the reasons listed below.

1. CICS has received a bind request specifying attach time security requirements different from those specified in the first bind.
2. CICS has received a bind requesting persistent verification.
3. CICS has received a bind which does not include an SNA functional management header (FMH12).

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: CICS does NOT allow subsequent binds to specify different security requirements from the first bind. It will not support persistent verification on input either.

Where applicable, alter your applications to meet these requirements.

Destination: CSNE

Modules: DFHZOPX, DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZOPN, 3=DFHZOPN, 4=DFHZOPX}*

DFHZC4926 E *date time applid termid tranid* **Bind security encryption error.** *sense ((instance)* **Module name: {DFHZE1 | DFHZE2}**)

Explanation: CICS detected an error while verifying an encrypted bind security password.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Investigate the CSNE and CSMT logs.

Find out whether an unauthorized user tried to log on to CICS, or whether an authorized user entered his password incorrectly.

Destination: CSNE

Modules: DFHZE1, DFHZE2

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZE1, 2=DFHZE2, 3=DFHZE1}*

DFHZC4927 E *date time applid termid tranid* **Bind FMH response error.** *sense ((instance)* **Module name: {DFHZRAC}**)

Explanation: CICS received a bind with bind security without an FMH12.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is an error either in CICS or in SNA. Keep the CSNE and CSMT logs. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZRAC}*

DFHZC4928 E *date time applid termid tranid* **Bind security GETMAIN of a TIOA failed.** *sense ((instance)* **Module name: {DFHZE1}**)

Explanation: CICS required a TIOA work area for bind security validation, but the GETMAIN failed because insufficient storage was available.

System Action: CICS rejects the bind.

User Response: Consider increasing the size of the CICS region or reducing the number of concurrent CICS tasks (MXT parameter in the system initialization table).

Destination: CSNE

Module: DFHZE1

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZE1}*

DFHZC4929 *date time applid termid tranid* **Invalid or unsupported BIND for logmode** *logmode.* **Response** *X'response', Reason* *X'reason' ((instance)* **Module: {DFHZOPN}**)

Explanation: CICS has detected an error while validating the BIND supplied by VTAM for a CICS typeterm definition defined with LOGMODE=0 or LOGMODE=*logmode*.

The *response* code indicates:

X'04' The BIND supplied does not match the TCTTE – detected by DFHZBANS.

X'08' The BIND supplied is unsupported – detected by DFHZBANV.

X'0C' The BIND supplied is invalid – detected by DFHZBANV.

The *reason* code for a response of X'04' is as follows:

X'1B' Unsupported TCTTE type or not VTAM

X'1C' No NIB descriptor chained from TCTTE

X'1D' No BMS extension chained from TCTTE

X'1E' Same as for reason code X'1D'

X'1F' LU6.2 BIND, but TCTTE does not match.

The *reason* code for a response of X'08' or X'0C' is as follows:

Reason	Invalid Hex	Explanation
1	3	Should be hex 02, 03, 04 or 07
2-8	4 5 6 7	Invalid for this FM profile
9	2	Should be hex 00, 02, 03, 04, 07, 13 or 14
0A,0D,10	1	Invalid for LUTYPE 1,2 or 3 - must be hex 01
0B	4 5 6 7	Invalid for LUTYPE 1
0C	22	Invalid for LUTYPE 1
0D	4 5 6 7	Invalid for LUTYPE 2
0F	24	Invalid for LUTYPE 2 should be hex 00, 01, 02, 03, 7E, or 7F
11	4 5 6 7	Invalid for LUTYPE 3
12	24	Invalid for LUTYPE 3 should be hex 00, 01, 02, 03, 7E, or 7F
13	16	Invalid for LUTYPE 6.2
14	23	Invalid for LUTYPE 6.2
15-18	24	Invalid for LUTYPE 6.2
19	15	Should be hex 00 or 02
1A	14	Should be hex 00, 01, 02, 03, 06
1B and over	User Data	The reason code matches the byte position in the BIND for the error detected. These can be: <ul style="list-style-type: none"> - Session ID length unsupported - should be 3 to 11 - PLU/SLU name length unsupported - should be 2 to 19 - PLU/SLU defined twice - Length invalid - Session qualifier pairs have inconsistent lengths.

System Action: CICS rejects the logon request. The BIND being validated is printed with this message.

User Response: Use the response and reason codes and the printed BIND, together with the VTAM definition of the BIND for the relevant LOGMODE to determine the reason for the rejection.

Either change the logmode or use a different one that matches CICS requirements.

Destination: CSMT

Module: DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, logmode, X'response', X'reason', instance, {1=DFHZOPN}*

DFHZC4930 E *date time applid termid tranid* **Session unbound following read timeout.** *sense ((instance) Module name: {DFHZARER | DFHZARL})*

Explanation: A READ timeout has occurred on the SNA link. SNA unbinds the session and CICS returns control to the application program. This allows the program to override the system action (for example, the program could free the APPC session).

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS abends the task abnormally with a dump.

User Response: This is probably a network problem caused by a high level of network traffic. To avoid this problem, increase the Read Timeout (RTIMOUT) to a sufficiently high value to compensate for the level of network traffic. Alternatively, this problem may have arisen simply because the partner application failed to respond due to a programming error. If this is the case, correct the partner application and retry the request.

Destination: CSNE

Modules: DFHZARL, DFHZARER.

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARL, 3=DFHZARER}*

DFHZC4931 E *date time applid termid tranid* **VTAM detected bad logmode name.** *sense ((instance) Module name: {DFHZLEX})*

Explanation: Either a MODENAME passed to VTAM during an attempt to bind an APPC session is not known to VTAM, or the logmode name of a VTAM 3270-type terminal is not valid.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS places the session permanently out of service and for APPC, the mode entry is flagged unusable.

User Response: Either redefine the sessions using a MODENAME that is known to VTAM, or add the MODENAME to the VTAM LOGMODE table. Alternatively, if the logmode name specified for a VTAM terminal is invalid, redefine the terminal entry using the correct name.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX}*

DFHZC4932 E *date time applid termid tranid* **Invalid conversation type requested.** *sense ((instance) Module name: {DFHZSUP})*

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the conversation type field. It must be TYPE=MAPPED or TYPE=UNMAPPED.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abended and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4933 E *date time applid termid tranid* **Invalid DBA requested.** *sense ((instance) Module name: {DFHZSUP})*

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the DBA field.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4934 E *date time applid termid tranid* **Invalid syncpoint level requested. sense ((instance) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, the synchronization level requested is invalid.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Check the sync level in the ATTACH header against that in the BIND.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4935 E *date time applid termid tranid* **Invalid UOWID supplied. sense ((instance) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link and either the unit of work ID is invalid, or no UOWID was received when the sync point level required it.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP, 6=DFHZSUP}*

DFHZC4936 E *date time applid termid tranid* **Attach FMH or subfield length error. sense ((instance) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the FMH length or in the length of one of the sub-fields. This result in CICS being unable to determine which task to attach.

+ APAR PN88956

- + The *instance* provides details of the error and has the following values:
- + 1. The FMH length is not equal to the combined length of the fixed length portion and the length of all the sub fields.
 - + 2. The Conversation Correlator length within the FMH is greater than 8.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP}*

DFHZC4937 E *date time applid* **SAF request for LU6.2 bind has been rejected. Return Codes from the Security Manager are: RF= X'rf' and R0= X'r0' sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: A security authorization facility (SAF) request to extract APPC bind-time security information from the external security manager (ESM) has been rejected with return code RF=X'rf'. and R0=X'r0'.

This is due either to the ESM being inactive or to the appropriate APPC profile not being defined to the ESM.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes which may have been produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return codes.

If the appropriate APPC profile had not been defined to the ESM, define the profile, perform a CICS security rebuild and then attempt to reestablish the APPC connection.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZOPN, 4=DFHZOPN, 5=DFHZOPN, 6=DFHZOPN, 7=DFHZOPN, 8=DFHZOPN, 9=DFHZE1, 10=DFHZE1, 11=DFHZE1, 12=DFHZE1, 13=DFHZE2, 14=DFHZE2, 15=DFHZE2, 16=DFHZE2}*

DFHZC4938 E *date time applid* **SAF request for LU6.2 bind has failed with ESM return code RF= X'rf' and reason code R0= X'r0' sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: The external security manager (ESM) was attempting to process a security authorization facility (SAF) request. Processing has failed with return code RF=X'rf' and reason code R0=X'r0'.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System*

Programming Library RACF manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZE1, 4=DFHZE2}*

DFHZC4939 E *date time applid* **Extraction of LU6.2 security data has failed with ESM returncode RF= X'rf' and reason code R0= X'r0' sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: A request to extract APPC bind-time security information has failed with return code RF=X'rf' and reason code R0=X'r0'. The profile information which was requested had not been previously defined to the external security manager (ESM).

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. Create the missing APPC profile entry.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZE1, 4=DFHZE2}*

DFHZC4940 E *date time applid* **Bind time failure. No session key found in LU6.2 profile. sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: APPC bind-time validation has failed. No session key has been found in the requested APPC profile information. When bind-time security has been defined between two logical units (LUs), a valid session key must have been defined for the encryption process. A null session key (that is, when no key is defined) is regarded as an error.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the external security manager (ESM). Create a valid session key for the appropriate APPC profile entry. DO NOT use the NOSESSKEY ESM option for XAPPC security profiles when using RACF.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return and reason codes which produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZE1, 4=DFHZE2}*

DFHZC4941 E *date time applid* **Bind time failure. LU6.2 profile locked. sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: The external security manager (ESM) has requested profile information during bind-time validation but the requested profile is locked. When a profile is locked no sessions can be established.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. The system administrator may have locked the profile. Request that the profile be unlocked. Try once more when the profile has been unlocked.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for further information.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZE1, 4=DFHZE2}*

DFHZC4942 E *date time applid* **Bind time failure. Expired LU6.2 profile found. sense ((instance) Module name: {DFHZE1 | DFHZE2 | DFHZOPN})**

Explanation: The external security manager (ESM) has requested profile information during bind-time validation but the requested profile has expired.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. The system administrator needs to update the required profile. Request that the profile be updated. Try once more when the profile has been updated.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for further information.

Destination: CSNE

Modules: DFHZE1, DFHZE2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZE1, 4=DFHZE2}*

DFHZC4943 E *date time applid* **termid tranid RPL B FSM error. sense ((instance) Module name: {DFHZSDL})**

Explanation: The finite state machine (FSM), for the APPC alternate RPL (RPL 'B'), has detected an error in the use of the RPL.

For the meaning of the sense data, see the explanation on page 412.

System Action: The task is abnormally terminated with abend code ATNI and a dump is produced.

User Response: If this message occurs when VTAM is terminating, it is not a serious problem and usually no response is necessary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZSDL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL}*

DFHZC4944 *date time applid termid tranid* **Protocol Violation detected within bind security indicators.** *sense ((instance) MODULE NAME: {DFHZOPX | DFHZSCX})*

Explanation: CICS has detected an error while validating the bind security specification. LOCAL security has been specified, but the bind contains data that indicates NON LOCAL security.

For the meaning of the sense data, see the explanation on page 412.

System Action: CICS rejects the bind.

User Response: Ensure that the correct data is sent in the bind for the required type of security.

Destination: CSMT

Modules: DFHZSCX, DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZOPX, 4=DFHZOPX}*

DFHZC4945 *E date time applid termid tranid* **Session unbind request due to the forcepurge of a task.** *sense ((instance) Module name: {DFHZARER})*

Explanation: A task was purged or forcepurged while it was suspended, waiting for an ISC request to complete.

For the meaning of the sense data, see the explanation on page 412.

System Action: An unbind is requested for the session against which the ISC request was waiting and the task is abended. A FORCEPURGE command causes the task to be abended irrespective of the state of the session. Other VTAM error messages may result from this action.

User Response: Investigate the reasons the task was purged or forcepurged because it may have been the result of an application error. In addition, the partner task in the connected CICS system will have session failure notification returned on the next ISC request after the session has been unbound. Check that the partner task has handled the situation.

Destination: CSNE

Module: DFHZARER

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARER}*

DFHZC4946 *E date time applid termid tranid* **Invalid attach parameter was received.** *sense ((instance) Module name: {DFHZSUP})*

Explanation: A request to attach a task has been received across an APPC link. However there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

#

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The *instance* data can take the following values:

instance Meaning

- 1 The bind security indicators show that the connection is defined as ATTACHSEC(LOCAL) indicating that this LU does not accept any security parameters in an attach from the partner LU. One or more of the following security parameters has been found: Userid, Password, Profile, AV, PV1 and PV2.
- 2 An already-verified (AV) indicator has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the AV indicator.
- 3 A persistent verification signon (PV2) indicator, or a persistent verification signed-on (PV1) indicator, has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the PV indicators.

System Action: The task abends and a dump is produced and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5).

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP}*

DFHZC4947 *E date time applid termid tranid* **Attach time security check has failed. Security not valid.** *sense ((instance) Module name: {DFHZGXA | DFHZSUP})*

Explanation: A request to attach a task has been received over an APPC link. However the FMH5 attach parameters do not conform to the APPC protocol.

The *instance* data can take the following values:

#

APAR PQ28465

instance Meaning

- 1 Unrecognized access security subfield
- 2 Multiple userid access security subfields present
- 3 Multiple profile access security subfields present
- 4 Multiple password access security subfields present
- 5 Userid required in FMH but not received
- 6 PV1 and PV2 security indicators both present in FMH5
- 7 Password received when AV indicator set

- 8 Password received when PV1 indicator set
 9 Password required for PV2 but not received.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5).

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

- + If the remote system has an earlier release of CICS or CICS on another platform and the sense value given is 5, you may need to set USEDFTUSER. See 'Attach Time Security and the + USEDFTUSER option' in the *CICS/ESA CICS-RACF Security Guide*.

Destination: CSNE

Modules: DFHZSUP, DFHZGXA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP, 6=DFHZSUP, 7=DFHZSUP, 8=DFHZSUP, 9=DFHZSUP, 10=DFHZSUP, 11=DFHZSUP, 12=DFHZSUP, 13=DFHZSUP, 14=DFHZSUP, 15=DFHZGXA, 16=DFHZGXA, 17=DFHZGXA, 18=DFHZGXA, 19=DFHZGXA, 20=DFHZGXA, 21=DFHZGXA, 22=DFHZGXA, 23=DFHZGXA, 24=DFHZGXA, 25=DFHZGXA, 26=DFHZGXA, 27=DFHZGXA, 28=DFHZGXA, 29=DFHZGXA}*

DFHZC4948 E *date time applid* An error has been detected when processing an{ *unknown | inbound | outbound*}{ *request. | Persistent Verify Signoff request. | Persistent Verify Timeout request.*} **Transaction** *tranid* is{ *continuing. | terminating. | terminating abnormally.*} **Error code:** *X'xxxx'* **Connection:** *yyyy*

Explanation: An error has been detected during the execution of transaction CLS3. The error code indicates the nature of the error:

- X'01'** Transaction CLS3 issued an unsuccessful communications request on an APPC session.
- X'02'** Transaction CLS3 was started by a START command with data, but the format of the data was incorrect.
- X'04'** Transaction CLS3 is attempting to send a signoff request to a remote system, but the connection to the remote system is not an APPC connection.
- X'06'** Transaction CLS3 was not started by terminal input, nor by a START command.
- X'09'** Transaction CLS3 was started by a START command with data, but the data could not be retrieved.
- X'0A'** Transaction CLS3 is attempting to send a signoff request to a remote system, but there is no connection to the remote system.
- X'0B'** Transaction CLS3 unsuccessfully attempted to allocate an APPC session to a remote system.

System Action: Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

User Response: This depends upon the error code:

- X'01'** Determine why the communications request on the APPC session failed. Possible reasons are:
- There has been a session failure.
 - The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

- X'02'** Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.
- X'04'** Check the connection definition for the remote system. It should be an APPC connection.
- X'06'** Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.
- X'09'** Determine why the data could not be retrieved. If you are unable to do so, contact your IBM Support Center
- X'0A'** Ensure that the connection has been correctly defined
- X'0B'** Ensure that the connection is acquired and in service

Destination: CSNE

Module: DFHCLS3

XMEOUT Parameters: *date, time, applid, {1= unknown, 2= inbound, 3= outbound}, {1= request., 2=Persistent Verify Signoff request., 3=Persistent Verify Timeout request.}, tranid, {1= continuing., 2= terminating., 3= terminating abnormally.}, X'xxxx', yyyy*

#

APAR PQ15635

#

NEW message DFHZC4949 E

DFHZC4949 E *date time applid termid tranid netname* **Receive Any stall -** {*data lost. | response lost. | command lost.*} **CLSDST return code** *X'rc'sense ((instance) Module name: {DFHZRAC})*

Explanation: All the CICS Receive Any RPLs have been posted but the TCTTE for each one is waiting for a response from a VTAM terminal or session. All the Receive Any RPLs have been stalled for 10 dispatches of the TCP task (CSTP). This message is produced for each session that is in this situation. A VTAM session has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.

System Action: CICS is running with system initialization parameter RAPOOL=(n,n,FORCE) causing CICS to issue a VTAM CLSDST against the session, which causes the TCTTE's RPL to be completed and the session to be unbound.

The default NEP action is CLSDST, which causes CICS to clean up the TCTTE after the pending command has been terminated.

The Receive Any data received is discarded and the RA RPL is reissued.

User Response: Investigate the reason why the command has not completed. The TCTTE RPL is printed with the message.

It is important to look at any earlier DFHZC4949 messages because of the asynchronous nature of DFHZNAC. If the CLSDST has not completed, the RPL printed will be active and will show the RPL that can not complete. If the CLSDST has completed when DFHZNAC runs, the RPL printed will have a RTNCD/FDB2 of X'0C0B' but RPLREQ still shows what command would not complete.

If the CLSDST return code *rc* is non 0, the CLSDST macro has failed in DFHZRAC and the session remains hung. You may be able to free the session by using VTAM command V NET,INACT,ID=*netname*,*l*. You can find the reason for the

CLSDST failure by looking at the RPL in the AP FC90 trace point
 # for the CLSDST.
 # **Destination:** CSNE
 # **Module:** DFHZRAC
 # **XMEOUT Parameters:** *date, time, applid, termid, tranid, netname,*
 # *{1=data lost. , 2=response lost. , 3=command lost. }, X'rc', sense,*
 # *instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC5900 E *date time applid* **System sysid has shipped definitions but connection cccc is not known to this system.**

Explanation: CICS has received definitions from remote system *sysid*, but cannot find a connection named *cccc*.

System Action: CICS continues.

User Response: If you want these definitions to be accepted, install the necessary connection using CEDA, and retransmit the definitions from the remote system.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, sysid, cccc*

DFHZC5901 E *date time applid* **Install for resource failed. xxxx could not obtain yyyy storage**

Explanation: When installing resource *resource*, CICS module *xxxx* could not get storage for the extent specified by the value of *yyyy*.

System Action: CICS continues.

User Response: If possible, increase the size of your CICS address space. Otherwise, consider reducing the number of resources used in one CICS run.

Destination: CSMT

Modules: DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSSZM, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSTZZ

XMEOUT Parameters: *date, time, applid, resource, xxxx, yyyy*

DFHZC5902 E *date time applid* **Deletion of terminal termid failed. BMS Paging session still active**

Explanation: CICS cannot delete terminal *termid* because a BMS paging session is still active for the terminal.

System Action: CICS continues.

User Response: Sign on to terminal *termid* and purge the pages.

Destination: CSMT

Module: DFHBSTB

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5903 E *date time applid* **Deletion of terminal termid failed. CICS logic error**

Explanation: CICS cannot delete the terminal *termid*, because the CICS batch data attach function (DIP) is still active for this terminal.

System Action: CICS continues. A system dump is taken with dumpcode ZC5903. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTD

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5904 E *date time applid* **Deletion of terminal termid failed. CEDF is still active**

Explanation: CICS cannot delete the terminal *termid* because an EDF session is still active for this terminal.

System Action: CICS continues.

User Response: Deactivate EDF for the terminal, and reinstall the group.

Destination: CSMT

Module: DFHBSTE

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5905 E *date time applid* **Deletion of terminal termid failed. CICS logic error**

Explanation: CICS cannot delete terminal *termid* because the command level interface is still active for this terminal.

System Action: CICS continues. A system dump is taken with dumpcode ZC5905. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTH

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5906 E *date time applid* **Install failed because 'xxxx' is not a permitted value for a terminal or connection name**

Explanation: A name of hexadecimal zeros has been used for a TERMINAL or CONNECTION definition.

This is a reserved value. CICS has failed to install the terminal or connection.

xxxx is the reserved value converted to printable hexadecimal. The error has probably been made using autoinstall.

System Action: CICS continues.

User Response: Correct the definition to use a valid name and reinstall the group.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSMPP

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5907 E *date time applid* **Deletion of remote shipped terminal failed for connection cccc.**

Explanation: During the deletion of connection *cccc*, the connection was found to have shipped remote terminals. The deletion of one or more of these shipped remote terminals has failed.

System Action: CICS continues.

User Response: See message DFHZC5915 for further information.

Use CEMT to release the connection and put it OUT OF SERVICE, then retry the install of the connection.

Destination: CSMT

Module: DFHBSSZ

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5908 E *date time applid* **Install for terminal termid failed. The security manager gave return code retcode**

Explanation: CICS cannot install terminal *termid*. DFHXSMN gave the return code *retcode*.

System Action: CICS continues.

User Response: Check the value of the return code *retcode* in the *CICS/ESA Customization Guide*.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, termid, retcode*

DFHZC5909 E *date time applid* **Install of resource resource failed. Call to DFHIRP irp_function Return_code did not succeed, See DFHIRSDS for return code.**

Explanation: When installing resource *resource*, the CICS module DFHBSSZR made a call to an IR service *irp_function* which failed due to the specified return code.

System Action: CICS continues. The MRO connection *resource* is not installed.

User Response: For an explanation of the return code, see DFHIRSDS in the *CICS/ESA Data Areas* manual.

Destination: CSMT

Module: DFHBSSZR

XMEOUT Parameters: *date, time, applid, resource, irp_function, Return_code*

DFHZC5911 E *date time applid* **Install for resource resource failed. Connection cccc not found**

Explanation: CICS could not find the connection *cccc* associated with resource *resource*.

System Action: CICS continues.

User Response: Install connection *cccc*.

Destination: CSMT

Module: DFHBSMIR

XMEOUT Parameters: *date, time, applid, resource, cccc*

DFHZC5912 E *date time applid* **Install for terminal termid failed. It is incompatible with connection cccc**

Explanation: The terminal *termid* and the connection *cccc* are mutually incompatible.

System Action: CICS continues.

User Response: Modify your definition of *termid* or *cccc*.

Destination: CSMT

Modules: DFHBSTZ, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, termid, cccc*

DFHZC5913 E *date time applid* **Deletion of resource termid failed. It is in use**

Explanation: CICS cannot delete resource *termid* because it is in use.

System Action: CICS issues message DFHZC5980.

User Response: Refer to message DFHZC5980 for further information and guidance.

Destination: CSMT

Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2 DFHBSTZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5914 E *date time applid* **Deletion of terminal termid found another deletion of it in progress**

Explanation: CICS has failed to delete terminal *termid* because it is already marked as pending deletion.

It is likely that a CEDA user is installing this terminal.

System Action: CICS continues.

User Response: Check if a CEDA user is installing the terminal.

Destination: CSMT

Modules: DFHBSMIR, DFHBSPMP, DFHBSS, DFHBSTZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5915 E *date time applid* **Deletion of restype id failed. It needs to be set out of service.**

Explanation: CICS cannot delete either:

- A resource ID because the terminal or session is still in service or is allocated to a task, or
- A connection ID because the connection is still marked operative.

System Action: CICS continues.

User Response: If the resource *restype id* is a shipped remote terminal and this message is produced as a result of reinstalling a connection, ensure that no tasks are active across the link and that the connection is set OUT OF SERVICE.

If *restype id* is not a shipped remote terminal and a connection is not being reinstalled, use the CEMT transaction to set the terminal or the connection ID OUT OF SERVICE.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZ

XMEOUT Parameters: *date, time, applid, restype, id*

DFHZC5916 E *date time applid* **Deletion of terminal *termid* failed. It has pending DFHZCP activity**

Explanation: CICS cannot delete terminal *termid* because DFHZCP activity is pending for this terminal.

System Action: CICS continues.

User Response: Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZA

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5917 E *date time applid* **Deletion of terminal *termid* failed. Error message writer still active**

Explanation: CICS cannot delete terminal *termid* because the error message writer is still active for this terminal.

System Action: CICS continues.

User Response: Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZE

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5918 E *date time applid* **Deletion of terminal *termid* Console *consname* failed. It has pending DFHZCP activity.**

Explanation: The MVS console *consname* has outstanding activity that prevents its deletion.

System Action: CICS continues.

User Response: After replying to any outstanding replies requested of this console, put the console briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5919 E *date time applid* **Deletion of terminal *termid* failed. CICS logic error**

Explanation: CICS cannot delete terminal *termid* because of an error in disconnecting remote terminals.

System Action: CICS continues. A system dump is taken with dumpcode ZC5919. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5920 E *date time applid* **Install of terminal *termid* failed. CICS logic error**

Explanation: This CICS system failed to install terminal *termid*. No terminals can be accepted yet because the system does not have a local system entry. There was probably a failure during CICS initialization.

System Action: CICS continues. A system dump is taken with dumpcode ZC5920. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSTZ, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5921 E *date time applid* **Install of terminal *termid* failed. VTAM support not loaded.**

Explanation: CICS failed to install terminal *termid* because CICS was initialized without VTAM support.

System Action: CICS continues processing.

User Response: To use VTAM, shut down CICS and restart with the system initialization parameter VTAM=YES, a TCT assembled with ACCESSMETHOD=VTAM, and appropriate RDO terminal definitions.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5923 E *date time applid* **Install for terminal *termid* failed. CICS logic error**

Explanation: CICS failed to install terminal *termid* because the bind-image was invalid.

System Action: CICS continues. A system dump is taken with dumpcode ZC5923. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5924 E *date time applid* **Install for terminal *termid* failed. CICS logic error**

Explanation: CICS failed to install terminal *termid* because the TCTTE contained no node information block (NIB) descriptor.

System Action: CICS continues. A system dump is taken with dumpcode ZC5924. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5925 E *date time applid* **Deletion of connection cccc failed. Its AID-Chains are not empty**

Explanation: CICS did not delete connection *cccc* because the AID-chains for the remote system *cccc* are not empty.

System Action: CICS continues.

User Response: Using the CEMT transaction, put the connection into service to allow the outstanding AIDs to be processed. Then take the connection out of service to allow deletion.

Destination: CSMT

Module: DFHBSSA

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5926 E *date time applid* **Install for connection cccc failed. CICS logic error**

Explanation: CICS did not install the connection *cccc* because DFHZCP received no DATASTREAM operand.

System Action: CICS continues. A system dump is taken with dumpcode ZC5926. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ6

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5927 E *date time applid* **Install for connection cccc failed. CICS logic error**

Explanation: CICS did not install the connection *cccc* because DFHZCP did not receive a RECORDFORMAT operand.

System Action: CICS continues. A system dump is taken with dumpcode ZC5927. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ6

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5929 E *date time applid* **Deletion of connection cccc failed. It is in use by n indirect connections**

Explanation: CICS did not delete the connection *cccc* because the connection is still in use by *n* indirect connections.

System Action: CICS continues.

User Response: Carry out the following procedure to delete the indirect connections:

1. Use the CEDA transaction to change the remote system named in the INDSYS parameter.
2. Reinstall the indirect connection.
3. Reinstall the 'main' connection.

4. Change the indirect connection to reset the remote system named in the INDSYS parameter back to name the 'main' connection.
5. Reinstall the indirect connection.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, n*

DFHZC5931 E *date time applid* **Install for modename modename failed. Maximum number of APPC sessions would have been exceeded**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because it would have exceeded the maximum number of permitted sessions.

#

APAR PQ27822

The maximum number of sessions depends on whether the PTF shipped for APAR PQ27822 is installed. The basic limit is 46656 and the names are in the range -AAA to -999. The APAR doubles this limit to 93312 giving an additional range of AAA- to 999-.

System Action: CICS continues.

User Response: Either wait for the system to become less busy, or delete some APPC sessions.

#

APAR PQ27822

The system programmer should consider increasing the number of CICS TORs.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5932 E *date time applid* **Install for modename modename failed. Connection cccc not found**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because of an unknown name *cccc* in the CONNECTION parameter.

System Action: CICS continues.

User Response: Install connection *cccc*.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5933 E *date time applid* **Install for modename modename failed. Connection cccc is not valid here**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because the CONNECTION is not valid in this context.

System Action: CICS continues.

User Response: Modify your definition of remote system *cccc*.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5934 E *date time applid* **Install for modename modename failed. Single-session connection cccc is already in use.**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because the single-session CONNECTION *cccc* is already in use.

System Action: CICS continues.

User Response: Modify the definition of *cccc*.

Destination: CSMT

Modules: DFHBSM61, DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5936 E *date time applid* **Install for modename modename failed. Connection cccc has active modegroup xxxx**

Explanation: CICS has not installed a SESSIONS definition with MODENAME *modename* because the connection *cccc* already has an active MODEGROUP, *xxxx*.

System Action: CICS continues.

User Response: Put the connection briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc, xxxx*

DFHZC5937 I *date time applid* **Deletion of modename modename found another deletion of it in progress**

Explanation: CICS has not deleted a SESSIONS definition with MODENAME *modename* because the definition is already pending deletion.

System Action: CICS continues.

User Response: Check if a CEDA user was installing the SESSIONS definition.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5938 E *date time applid* **Deletion of modename modename failed. Unable to delete session(s)**

Explanation: CICS is unable to delete a SESSIONS definition with MODENAME *modename* because of one or more errors reported in previous messages.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance. Correct the reported errors.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5939 E *date time applid* **Install for name failed. Duplicate session- or modegroup-name for connection sysid**

Explanation: CICS is unable to install a session or modegroup as the session-name or modegroup-name *name* is duplicated.

System Action: CICS continues processing, but the session or modegroup is not installed.

User Response: Change the duplicated session-name or modegroup-name.

Destination: CSMT

Modules: DFHBSMIR, DFHBSM62

XMEOUT Parameters: *date, time, applid, name, sysid*

DFHZC5940 E *date time applid* **Install for terminal termid failed. Error console cannot be deleted**

Explanation: You have tried to replace the error console, CERR. CICS does not allow this.

System Action: CICS continues with original error console.

User Response: Note this restriction.

Destination: CSMT

Module: DFHZCQDL

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5941 E *date time applid* **Install for terminal termid failed. Console consname has a conversation outstanding**

Explanation: CICS was unable to install terminal *termid* because the console *consname* has posted an ECB.

System Action: Processing continues.

User Response: Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5945 E *date time applid* **Deletion of sessions ssss failed. Connection cccc is defined to IRC**

Explanation: CICS has not deleted the SESSIONS definition, *ssss*, because the CONNECTION is still defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5946 E *date time applid* **Install for sessions ssss failed. Connection cccc is defined to IRC**

Explanation: CICS has not installed the SESSIONS definition, *ssss*, because the CONNECTION is already defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5947 E *date time applid* **Install for sessions ssss failed. CICS logic error**

Explanation: CICS has not installed the SESSIONS definition, ssss, because the CONNECTION name is not specified.

System Action: CICS continues. A system dump is taken with dumpcode ZC5947. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5948 E *date time applid* **Install for sessions ssss failed. Connection cccc is not suitable for IRC**

Explanation: CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified is not suitable for IRC.

System Action: CICS continues.

User Response: Modify your definition of cccc.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5949 E *date time applid* **Install for sessions ssss failed. It is incompatible with connection cccc**

Explanation: CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified does not support the required type of session. If you are replacing a connection of the same name but of a different type and the install fails for some other reason than this message may occur.

System Action: CICS continues.

User Response: Modify your definition of cccc.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZS, DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5950 E *date time applid* **Install for terminal termid failed. Console consname already exists**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console ID, *consname*, already exists.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define a different console ID and reinstall the terminal.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5951 E *date time applid* **Deletion of connection ssss failed. Unable to delete sessions**

Explanation: CICS has not deleted the CONNECTION definition, ssss, because it cannot delete one or more sessions. A preceding message or messages should explain this failure.

System Action: CICS continues.

User Response: Refer to the preceding message for further information and guidance.

Destination: CSMT

Modules: DFHBSSZR, DFHBSSZ6

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5952 E *date time applid* **Deletion of terminal termid failed. It needs to be SET RELEASED**

Explanation: CICS cannot delete terminal *termid* because of its current state.

System Action: CICS continues.

User Response: Use the CEMT transaction to set terminal *termid* released and out of service.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5953 E *date time applid* **CICS logic error**

Explanation: An object being installed did not have a bind-image.

System Action: CICS continues. A system dump is taken with dumpcode ZC5953. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid*

DFHZC5954 E *date time applid* **Install for resource resource failed. Unable to install sessions component**

Explanation: CICS has failed to install resource *resource*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZC

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5955 E *date time applid* **SESNUMB greater than DLTHRED in the SIT (nnnn).**

Explanation: While installing IRBATCH, CICS has found its SESNUMB value to be greater than the system initialization DLTHRED value (*nnnn* in the message), which is the maximum that can be supported.

System Action: CICS continues.

User Response: Note the warning.

Destination: CSMT

Module: DFHBSSZB

XMEOUT Parameters: *date, time, applid, nnnn*

DFHZC5957 E *date time applid Arch.* **User-Data ID X'xx occurs in bind. CICS logic error**

Explanation: The APPC SESSIONS object being installed is invalid because architected user-data IDs greater than X'02' occur in bind.

System Action: CICS does not install the object. A system dump is taken with dumpcode ZC5957. Message DFHME0116 is normally produced containing the symptom string for this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

User Response:

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, xx*

DFHZC5958 E *date time applid* **Install failed for xxxx. This is the name of the local system which must not be replaced.**

Explanation: A terminal or a connection was defined with the same name as the local system entry during the last run of CICS. This is not allowed as the local system entry cannot be replaced.

During cold start of the current run of CICS, CICS attempted to install the group which included the invalid definition. CICS then issued this message.

System Action: CICS continues, but this terminal or connection is not installed.

User Response: Use the CEDA transaction to correct the terminal or connection name and install the group.

Destination: CSMT

Module: DFHBSSZL

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5961 E *date time applid* **Deletion of surrogate xxxx failed. CICS logic error**

Explanation: CICS cannot delete a surrogate TCT entry.

System Action: CICS continues. A system dump is taken with dumpcode ZC5961. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5962 E *date time applid* **Install for resource resource failed. Modename parameter not found**

Explanation: CICS has failed to install resource *resource* because the MODENAME parameter is missing.

System Action: CICS continues.

User Response: Supply the missing parameter.

Destination: CSMT

Module: DFHBSTZS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5963 E *date time applid operation* **RUSIZE xxxx from terminal termid was greater than TYPETERM RUSIZE yyyy.**

Explanation: An autoinstall has been attempted with terminal *termid* that has a VTAM RECEIVESIZE greater than the corresponding TYPETERM RECEIVESIZE|SENDSIZE.

System Action: CICS continues. The autoinstall is rejected.

User Response: Increase the TYPETERM RECEIVESIZE or the TYPETERM SENDSIZE, OR decrease the RECEIVESIZES in the VTAM LOGMODE table.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, operation, xxxx, termid, yyyy*

DFHZC5964 E *date time applid* **Install for sessions ssss failed. CICS logic error.**

Explanation: CICS has failed to install SESSIONS *ssss* because the length of the BINDPASSWORD exceeds the limit of 8.

System Action: CICS continues. A system dump is taken with dumpcode ZC5964. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZS

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5966 I *date time applid* **{INSTALL | DELETE | RESTORE} started for resource (termid) (Module name: modname).**

Explanation: CICS has successfully installed, deleted or restored *resource*. The *resource* may be either a terminal, a connection, a modegroup, a session, or a pool_entry.

System Action: CICS continues.

User Response: None.

Destination: CADL

Modules: DFHBSTZ, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSMIR

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=DELETE, 3=RESTORE}, resource, termid, modname*

DFHZC5967 E *date time applid* **Install for modename modename failed. Unable to install sessions**

Explanation: CICS has failed to install a SESSIONS definition using MODENAME *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to the preceding message for further information and guidance.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5968 E *date time applid* **Unable to install LU Services Manager for modename modename**

Explanation: CICS has failed to install a CONNECTION definition for MODEGROUP *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSSZP

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5969 E *date time applid* **Deletion of dependent modename(s) failed for connection modename**

Explanation: CICS has failed to replace a CONNECTION definition for MODEGROUP *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSSZS

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5971 E *date time applid* **Delete of resource resource failed. CICS logic error**

Explanation: CICS failed to delete resource *resource* because of an unexpected signon state during the destroy operation.

System Action: CICS continues. A system dump is taken with dumpcode ZC5971. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5972 E *date time applid* **Delete of resource resource failed. It is still signed on**

Explanation: CICS failed to delete a TERMINAL or SESSIONS resource *resource* because a terminal or session is still signed on.

System Action: CICS continues.

User Response: Run the signoff transaction CESF and retry.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5973 E *date time applid* **Install for sessions ssss failed. Max session-count reached for modename modename**

Explanation: CICS failed to delete a SESSIONS definition *ssss* because the maximum session-count was reached for MODENAME *modename*.

System Action: CICS continues.

User Response: Delete some sessions in *modename*, or redefine *modename* with a higher maximum session-count.

Destination: CSMT

Module: DFHBSTZS

XMEOUT Parameters: *date, time, applid, ssss, modename*

DFHZC5974 E *date time applid* **Deletion of pool pppp failed. Unable to delete pool entries**

Explanation: CICS failed to delete a POOL *pppp*. Previous message(s) should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to any previous messages for further guidance and information.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5975 E *date time applid* **Install for resource pppp failed. CICS logic error**

Explanation: CICS failed to install the POOL definition *pppp* because the required POOLID parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5975. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSMPP, DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5976 E *date time applid* **CICS logic error**

Explanation: CICS failed to install a POOL definition because the required POOLCNT parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5976. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid*

DFHZC5977 E *date time applid* **Failure building pool entries**

Explanation: CICS failed to install a POOL definition, because of a failure in building pool entries. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to any previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid*

DFHZC5978 E *date time applid* **Unable to replace pool pppp**

Explanation: CICS failed in an attempt to install or delete a POOL definition. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5979 E *date time applid* **Deletion of pool pppp failed. It still has session termid**

Explanation: CICS has failed to delete pool *pppp* because the pool still has an active session for terminal *termid*.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT

Module: DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp, termid*

DFHZC5980 E *date time applid* **Resource resource is in use by task taskid Transaction tranid**

Explanation: The resource *resource* is in use. *taskid* is the task number, and *tranid* is the transaction ID.

System Action: CICS continues.

User Response: Wait for the termination of task *taskid*, and retry the operation.

Destination: CSMT

Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2 DFHBST2V

XMEOUT Parameters: *date, time, applid, resource, taskid, tranid*

DFHZC5981 E *date time applid* **Pool pppp not found**

Explanation: CICS has failed to install a resource because POOL *pppp* does not exist. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5982 E *date time applid* **Deletion of pool pppp failed. Pool entry is in use for termid**

Explanation: CICS has failed to delete POOL *pppp* because the pool still has an entry in use for terminal *termid*.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp, termid*

DFHZC5983 E *date time applid* **Unable to replace resource**

Explanation: CICS failed to install resource *resource* either because it already exists, or for reasons explained in previous messages.

Possible causes are:

- Non-VTAM and VTAM terminals defined with the same name. If a non-VTAM terminal is installed, CICS will not autoinstall a VTAM terminal with the same name.
- An attempt to replace your own terminal, or a terminal with the same name as the terminal being used to issue the CEDA command.
- An attempt to replace a terminal with the same REMOTENAME and REMOTESYSTEM as an earlier definition in the same group.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

If no previous messages were issued, check your terminal identifiers.

DFHZC5985 E

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSS2, DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5985 E *date time applid* Install for resource *resource* failed. Unable to install connection component

Explanation: CICS has failed to install resource *resource*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZC

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5986 E *date time applid* CICS logic error

Explanation: Either the warm keypoint program (DFHWKP), or the query transaction (DFHQRY), made an invalid request which could not be implemented.

System Action: CICS continues. A system dump is taken with dumpcode ZC5986. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQCH

XMEOUT Parameters: *date, time, applid*

DFHZC5988 E *date time applid* Install for resource *resource* failed. VTAM support not generated

Explanation: CICS failed to install resource *resource* because CICS was initialized without VTAM support.

System Action: CICS continues.

User Response: If you want to install VTAM resources urgently, shut down CICS, and restart it with the system initialization parameter ACCESSMETHOD=VTAM, and appropriate TCT or RDO terminal definitions.

Destination: CSMT

Modules: DFHBSSZS, DFHBSSZ6, DFHBSTZV

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5989 E *date time applid* Deletion of resource *resource* failed. Remote deletion in connection *cccc* failed

Explanation: CICS failed to delete resource *resource* because a remote delete in system *cccc* failed.

Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous message for further information and guidance.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, resource, cccc*

DFHZC5990 E *date time applid* CICS logic error

Explanation: CICS rejected an INSTALL or DELETE request because it does not recognize the request code.

System Action: CICS continues. A system dump is taken with dumpcode ZC5990. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQ00

XMEOUT Parameters: *date, time, applid*

DFHZC5991 E *date time applid* CICS logic error

Explanation: CICS rejected a VALIDATE BIND request because no BIND was supplied.

System Action: CICS continues. A system dump is taken with dumpcode ZC5991. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQ00

XMEOUT Parameters: *date, time, applid*

DFHZC5992 E *date time applid* Resource Types Table does not support recovery record

Explanation: CICS rejected RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

System Action: CICS continues. A system dump is taken with dumpcode ZC5992. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: CICS is unable to warm start correctly. You should therefore shut CICS down and perform a COLD start.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5993 E *date time applid* CICS logic error

Explanation: CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

System Action: CICS continues. A system dump is taken with dumpcode ZC5993. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5994 E *date time applid* **CICS logic error**

Explanation: CICS rejected a RESTORE request because no recovery record was passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5994. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5995 E *date time applid* **CICS logic error. Resource Type Code xxxx Subtype yyyy not recognized with associated bind image**

Explanation: CICS failed to install a resource with resource type code (RTC) *xxxx* and subtype *yyyy* (from the Builder Parameter Set) because a resource with type code *xxxx*, sub-type *yyyy*, and the associated BIND-image, is not a builder resource type.

This is a CICS logic error (probably in DFHTRzXP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5995. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIS

XMEOUT Parameters: *date, time, applid, xxxx, yyyy*

DFHZC5996 E *date time applid* **CICS logic error**

Explanation: CICS has rejected an INSTALL request because the resource type code in the request is zero.

System Action: CICS continues. A system dump is taken with dumpcode ZC5996. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIS

XMEOUT Parameters: *date, time, applid*

DFHZC5997 E *date time applid* **CICS logic error**

Explanation: CICS has rejected an INQUIRE request because no TCT entry was passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIQ

XMEOUT Parameters: *date, time, applid*

DFHZC5998 E *date time applid* **Install specified a resource that cannot be replaced**

Explanation: CICS rejected a DELETE request because the entry passed is of a type that cannot be deleted, for example, a non-VTAM terminal.

System Action: CICS continues.

User Response: The failing delete/replace was necessitated by an INSTALL request. Correct the resource type in that request.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: *date, time, applid*

DFHZC5999 E *date time applid* **CICS logic error.**

Explanation: If DFHZCQCH issues this message, CICS has rejected a CATALOG request because the required entry parameter was not passed.

If DFHZCQDL issues this message, CICS has rejected a DELETE request because the required entry parameter was not passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5999. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: *CICS/ESA Performance Guide*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: *date, time, applid*

DFHZC6200 E *date time applid* **Could not obtain DWE storage**

Explanation: While executing a BUILD or DESTROY request, the CICS Table Builder Services could not obtain Deferred Work Element (DWE) storage.

System Action: CICS rejects the request.

User Response: This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the *CICS/ESA System Definition Guide* and the *CICS/ESA Performance Guide*.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Destination: CSMT

Modules: DFHTBSB, DFHTBSD, DFHTBSL

XMEOUT Parameters: *date, time, applid*

DFHZC6202 E *date time applid* **Pattern pattern not valid for builder**

Explanation: While executing a request, CICS Table Builder Services has detected that the pattern *pattern* cites a builder that is not declared with DFHBSHDR(ENTRY). *pattern* is the name of the pattern as coded in the DFHBSPTTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6202. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Destination: CSMT

Modules: DFHTBSB, DFHTBSL, DFHTBSQ, DFHTBSR

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6203 E *date time applid* **Unable to obtain DWE action-list storage**

Explanation: While executing a request, CICS Table Builder Services could not obtain storage to build an element for the DWE action list.

System Action: CICS rejects the request.

User Response: This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the *CICS/ESA System Definition Guide* and the *CICS/ESA Performance Guide*.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP, DFHTBSL

XMEOUT Parameters: *date, time, applid*

DFHZC6204 E *date time applid* **Illegal subpattern definition pattern**

Explanation: While executing a request, CICS Table Builder Services has detected that the subpattern *pattern* cites a builder that is not declared with DFHBSHDR(ENTRY). *pattern* is the name of the subpattern as coded in the DFHBSPTTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6204. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6205 E *date time applid* **Illegal subpattern definition pattern**

Explanation: While executing a request, CICS Table Builder Services has detected that the subpattern *pattern* is invalidly defined. *pattern* is the name of the subpattern as coded in the DFHBSPTTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6205. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6206 E *date time applid* **Pattern pattern not valid for destroy**

Explanation: While executing a DESTROY request, CICS Table Builder Services has detected that the pattern *pattern* is not valid for a DESTROY request. *pattern* is the name of the pattern as coded in the DFHBSPTTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6206. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTBSD

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6207 E *date time applid* **Catalog key too long or zero. Pattern pattern**

Explanation: While executing a request, CICS Table Builder Services has detected that builder cited in the pattern *pattern* has returned an invalid CC key on MAKEKEY. *pattern* is the name of the pattern as coded in the DFHBSPTTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6207. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP, DFHTBSL

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6209 E *date time applid* Invalid ZC catalog request code
xxxx

Explanation: While executing a request, CICS Table Builder Services has detected that the code, *xxxx*, for a catalog request is invalid.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6209. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTBSL

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC6212 E *date time applid* Level mismatch with catalog record. DFHBS *xxx*

Explanation: While executing a request during a warm or emergency start, CICS Table Builder Services has detected that the CC record is not compatible with the pattern it names. *xxx* is the builder ID.

System Action: CICS rejects the request.

User Response: The CC record was probably written by an earlier level of CICS. That is, you have applied one or more PTF maintenance fixes to the system since the CC record was written. Assuming this is the case, you must either:

- Cold start CICS, or
- Remove the maintenance to enable a warm start or emergency restart.

Destination: CSMT

Modules: DFHTBSR, DFHTBSRP

XMEOUT Parameters: *date, time, applid, xxx*

DFHZC6213 E *date time applid* Recovery record abandoned. Key is *key*

Explanation: While processing a RESTORE request, CICS Table Builder Services detected an error reported in a previous message. *key* is the catalog key for the abandoned record, or, if the key is unknown to CICS, *key* is the single character ?.

System Action: See the previously issued message for the cause of the problem, and follow the recommended user action.

Destination: CSMT

Module: DFHTBSR

XMEOUT Parameters: *date, time, applid, key*

DFHZC6214 E *date time applid* Unable to obtain recovery record storage

Explanation: While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.

System Action: CICS rejects the request.

User Response: This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the

CICS/ESA System Definition Guide and the *CICS/ESA Performance Guide*.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Destination: CSMT

Module: DFHTBSLP

XMEOUT Parameters: *date, time, applid*

DFHZC6301 E *date time applid* Install for *tttt* failed. Duplicate netname *netname* for resource *rrrr* found.

Explanation: A resource *tttt* was being installed but was found to have the same network name *netname* as resource *rrrr*.

System Action: The resource is not installed, CICS continues.

User Response: If you want the definitions to be installed, use CEDA to correct the network name and reinstall the definition.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, tttt, netname, rrrr*

DFHZC6302 E *date time applid* Install for connection *cccc* failed. Duplicate netname *netname* for resource *rrrr* found.

Explanation: A connection *cccc* was being installed but was found to have the same network name *netname* as resource *rrrr*.

System Action: The resource is not installed, CICS continues.

User Response: You cannot have an APPC connection with the same network name as another APPC connection or an LU6.1 connection. That is, you cannot have more than one APPC connection between two systems and an APPC connection cannot be installed with an LU6.1 connection between two systems.

Neither APPC or LU6.1 network names can be the same as a terminal's network name.

Also you cannot have an IRC (or XM) connection with the same network name as another IRC (or XM) connection. However, an IRC network name can be the same as any VTAM network name (APPC or LU61 connection or terminal).

If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.

If you need to replace a connection with a different network name, it must have the same connection name as the one you are replacing.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, netname, rrrr*

DFHZC6303 E *date time applid* Install for *tttt* failed. Duplicate netname *netname* found.

Explanation: A resource *tttt* was being installed but was found to have a duplicate network name *netname*.

This message occurs:

- If the duplicate NETNAME occurred in the same group as this definition, or
- If two CEDA transactions were run at the same time and the other CEDA transaction added a NETNAME between the BUILD and CONNECT routines of DFHBSTZV.

System Action: The resource is not installed; CICS continues.

User Response: If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, tttt, netname*

DFHZC6304 W *date time applid* **Deletion of remote terminal *termid* failed because it is in use by another transaction.**

Explanation: CICS has issued a logoff transaction to the 4 remote terminal *termid* but this terminal cannot be deleted because it is in use by another transaction.

System Action: The remote terminal can be reused. CICS continues.

User Response: This situation usually occurs because the remote CICS is under stress. Consider allocating more resources. For example, you might need to allocate more storage.

Destination: CSMT

Module: DFHBSTZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6305 E *date time applid* **Install for EXCI generic connection *cccc* failed. Duplicate EXCI generic connection *rrrr* found.**

Explanation: A connection *cccc* specifying protocol(exci) and conntype(generic) was being installed but an existing EXCI generic connection *rrrr* was found.

System Action: The resource is not installed. CICS continues.

User Response: There can be only one EXCI generic connection installed in a CICS system. Determine which EXCI generic connection definition is required and remove the duplicate definition.

If you need to replace the EXCI generic connection definition, it must have the same connection name as the one you are replacing.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, rrrr*

DFHZC6310 E *date time applid* **Install for terminal *termid* failed. Console *consname* must be defined by ID not name.**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console *consname* is defined by name. The console must be defined by ID, as CICS is running under a release of MVS/ESA that does not support console names.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define the console by ID and reinstall the terminal.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC6311 E *date time applid* **Install for terminal *termid* failed. Console ID *conslid* does not map to a console name known to MVS.**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console ID *conslid* does not map to a console name known to MVS/ESA.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define a different console ID, or a console name, and reinstall the terminal.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, conslid*

DFHZC6315 E *date time applid* **User *userid* is not authorized to install terminal *tttt* with preset security.**

Explanation: User *userid* was attempting to install terminal *tttt* but the *userid* does not have sufficient authority. This is because the terminal has preset authority (the definition for terminal *tttt* specifies a *userid* value.) Installing a resource with preset security requires special authorization.

System Action: Resource security violation messages are logged to the CSCS transient data queue and to the system console. The resource is not installed. CICS continues.

User Response: In order to install this resource, do one of the following:

- Use the CESN transaction to sign on with a *userid* that is permitted to install terminals with preset security.
- Ask your security administrator to authorize *userid* *userid* to install terminals with preset security. See the *CICS/ESA System Definition Guide* for guidance.
- Remove the USERID specification from the resource definition and install the resource without preset security.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, userid, tttt*

DFHZC6330 E *date time applid* **Install for *tttt* failed. LDCLIST parameter *ldclist* not found.**

Explanation: A resource *tttt* was being installed but was found to have an invalid LDCLIST *ldclist*.

System Action: The resource is not installed, CICS continues.

User Response: If you want the definition to be installed, use the DFHTCT TYPE=LDCLIST macro to define the listname.

Destination: CSMT

Module: DFHBSTBL

XMEOUT Parameters: *date, time, applid, tttt, ldclist*

DFHZC6331 E *date time applid* **Install for connection *tttt* failed. Non-VTAM terminal with same name already exists.**

Explanation: A connection *tttt* was being installed but a non-VTAM terminal with the same name already exists.

System Action: The resource is not installed; CICS continues.

User Response: Change the name of the connection and reinstall.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, tttt*

DFHZC6332 E *date time applid* **Install for terminal tttt failed. Non-VTAM terminal with same name already exists.**

Explanation: A terminal *tttt* was being installed but a non-VTAM terminal with the same name already exists.

System Action: The resource is not installed; CICS continues.

User Response: Change the name of the terminal and reinstall.

Destination: CSMT

Module: DFHBSTZ

XMEOUT Parameters: *date, time, applid, tttt*

DFHZC6333 E *date time applid* **INSTALL for modename modename failed. Zero sessions specified**

Explanation: CICS has not installed a mode group *modename* because the maximum number of sessions specified was 0. The CEDA SESSION MAXIMUM parameter cannot be set to 0, so this was possibly caused by a storage overwrite, or by an invalid builder parameter set being shipped into CICS.

System Action: The install fails, but CICS continues.

User Response: Find the offending builder parameter set and set ZC_MAXSESS_1 to a minimum value of 1.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename*

DFHZC6340 E *date time applid* **CICS has detected an error in delete processing for termid. Module name: modname.**

Explanation: CICS has found terminal input output areas (TIOAs) chained to a TCTTE during deletion of a terminal. This is a CICS logic error.

System Action: A system dump is taken, the TCTTE is deleted and CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

It would aid IBM support if you used the system dump to determine why TIOAs are still chained to the TCTTEs. The TIOAs are normally freeremained before deletion.

Answers to the following questions would also be helpful:

- Is this is a shipped TCTTE?
- Why is the TCTTE being deleted?
- Is the correct TCTTE being deleted?

Destination: CADL

Module: DFHBST

XMEOUT Parameters: *date, time, applid, termid, modname*

DFHZC6341 E *date time applid* **Loop or ABEND has been detected in inmodule by module bymodule.**

Explanation: CICS has previously detected a loop or abend. Module *bymodule* called module *inmodule* which looped or abended.

System Action: CICS issues message DFHZC0001 if an abend is detected or DFHZC0004 if a loop is detected. The install or delete being performed is backed out. CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated message for more guidance.

Destination: CADL

Modules: DFHBSM61 DFHBSTZS

XMEOUT Parameters: *date, time, applid, inmodule, bymodule*

DFHZC6350 I *date time applid* **The type session name BITMAP was corrupt and has been rebuilt. Error code: AP FB05.**

Explanation: A connection was being installed but the APPC or MRO session name BITMAP which is used to create a session name, was corrupt. The corrupt BITMAP has been rebuilt.

The APPC session name BITMAP is always used for an APPC session, however the MRO session name BITMAP is only used if the session name is prefixed with '<' or '>'.

System Action: A dump is taken with dumpcode ZC6350. Trace point ID AP X'FB05' is produced. The install continues. CICS continues.

User Response: Use the dump provided to determine the cause of the storage overwrite. See the *CICS/ESA Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CSMT

Module: DFHZGBM

XMEOUT Parameters: *date, time, applid, type*

DFHZC6360 W *date time applid* **A GETMAIN failed to obtain storage for a message set.**

Explanation: A ZCP install has failed. This would normally result in a message being issued. However, the GETMAIN attempting to obtain storage from the CDSA for use as a message area has failed. This means that there is no more free storage available in the CDSA.

System Action: The message which should have reported the ZCP install failure cannot be issued. Subsequent messages also cannot be issued while there is no free storage available in the CDSA. However, subsequent messages can be issued if storage becomes available on subsequent GETMAIN attempts.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use trace to determine the source of the problem. Trace point AP 00FC Req=E6, the TBSM entry, gives the message number which should have been issued and 6 bytes of message insert data. Refer to the description of this message for further guidance.

Destination: CSMT

Module: DFHBSMSG

XMEOUT Parameters: *date, time, applid*

DFHZC6361 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the preset userid is invalid.**

Explanation: The terminal could not be installed with preset userid *userid* because the userid is not known to the external security manager (ESM).

System Action: CICS continues.

User Response: Correct the userid, or contact your security administrator to have the unknown userid added to your ESM. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6362 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the preset userid has been revoked.**

Explanation: The terminal could not be installed with preset userid *userid* because the userid has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator, who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6363 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the preset userid's group access has been revoked.**

Explanation: The terminal could not be installed with preset userid *userid* because the access of that userid to the group containing it has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator, who can restore the access of the preset userid to its group by issuing the CONNECT RESUME function. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6364 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the ESM returned an unrecognized response.**

Explanation: The terminal could not be installed with preset userid *userid* because of unexpected return codes from the external security manager (ESM).

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the terminal definition when you have corrected the problem.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6365 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the external security manager is inactive.**

Explanation: The terminal could not be installed with preset userid *userid* because the external security manager (ESM) is no longer active.

System Action: CICS continues.

User Response: Contact your security administrator to restart the ESM. Reinstall the terminal definition when the ESM is active again.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6366 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the userid is not authorized to access this CICS system.**

Explanation: The terminal could not be installed with a preset userid because the preset userid is not authorized to use application *applid*.

System Action: CICS continues.

User Response: Contact your security administrator, who can authorize the preset userid to access the application *applid* by issuing the PERMIT function for the APPL resource class. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6367 E *date time applid* **Install for {netname | console | terminal }termid with userid userid failed because the SECLABEL check failed.**

Explanation: The terminal could not be installed with preset userid *userid* because the security label associated with the userid in the external security manager (ESM) does not have the necessary authority.

System Action: CICS continues.

User Response: Contact your security administrator to assign a new security label to the preset userid. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, termid, userid*

DFHZC6368 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the external security manager is quiesced.**

Explanation: The terminal could not be installed with preset userid *userid* because the external security manager (ESM) has been placed in a “tranquil” state, and is not allowing new users to be added to the system.

System Action: CICS continues.

User Response: Contact your security administrator to establish when the ESM will be fully available again. When it is, reinstall the terminal definition

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6369 E *date time applid* **Install for {netname | console | terminal }portname failed because national language langcode is invalid.**

Explanation: The terminal could not be installed because the national language *langcode* specified in the terminal definition is not recognized.

System Action: CICS continues.

User Response: Change the national language on the terminal definition to a valid value and reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, langcode*

DFHZC6370 E *date time applid* **Install for {netname | console | terminal }portname failed because national language langcode is unavailable.**

Explanation: The terminal could not be installed because the national language *langcode* specified in the terminal definition is not supported in this run of CICS.

System Action: CICS continues.

User Response: Change the national language in the terminal definition to one that has been initialized. Then reinstall the terminal definition.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, langcode*

DFHZC6371 E *date time applid* **Install for {netname | console | terminal }portname with userid userid failed because the userid is not authorized to use this portname.**

Explanation: The terminal could not be installed with preset userid *userid* because the specified userid is not authorized to use that terminal.

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the terminal definition when you have corrected the problem.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=netname, 2=console, 3=terminal }, portname, userid*

DFHZC6590 I *date time applid termid tranid* **Node netname conversation restarted. sense ((instance) Module name: {DFHZXRC})**

Explanation: The node specified has been switched to this system following an XRF takeover.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC}*

DFHZC6591 E *date time applid termid tranid* **Error processing XRF switch command. sense ((instance) Module name: {DFHZXRC})**

Explanation: The terminal has been switched to this CICS system following an XRF takeover, but an error was encountered processing the response data.

For the meaning of the sense data, see the explanation on page 412.

System Action: The state of the session at takeover is uncertain and the session is unbound in order to reset the states. The session is simlogged on, and proceeds as a normal emergency restart.

User Response: Proceed as for a normal emergency restart.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC, 9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC}*

DFHZC6593 I *date time applid termid tranid* **Node netname backup session started. sense ((instance) Module name: {DFHZOPX})**

Explanation: Node *netname* has successfully issued an OPNDST OPTCD=BACKUP command to the connected LU.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX}*

DFHZC6594 I *date time applid termid tranid Node netname backup session reset - active session ended. sense ((instance) Module name: {DFHZSCX})*

Explanation: The backup system has received a "hierarchical reset" UNBIND on the backup session to the named terminal. This implies that the active session has ended normally.

For the meaning of the sense data, see the explanation on page 412.

System Action: CLSDST the backup session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSCX}*

DFHZC6595 I *date time applid termid tranid Node netname backup session not attempted. sense ((instance) Module name: {DFHZOPN})*

Explanation: Before the OPNDST is issued, the backup system has abandoned the attempt to establish a backup session for one of the following reasons:

- There is no XRF support in VTAM (TCTVXRFS), or
- the TCTTE is flagged as a secondary. This CICS receives the BIND, but does not send it (TCTE2RY), or
- the TCTTE indicates that the LOGMODE keyword was specified on the terminal definition.

For the meaning of the sense data, see the explanation on page 412.

System Action: If this system takes over, the autoconnect process attempts to acquire a session. In this case, it probably takes longer for the session to become available for use.

User Response: Do not attempt a backup session.

Rectify error, or downgrade the recovery option specified for this terminal.

Destination: CSNE

Module: DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZOPN}*

DFHZC6596 *applid CICS terminal control program cannot support XRF functions. sense ((instance) Module name: {DFHZSEX | DFHZSLS})*

Explanation: The VTAM ACB has been opened, and the function level of the terminal control program (ZCP) and VTAM has been examined. It has been determined that XRF terminal functions cannot be supported in this execution of CICS.

This can be because one of the DFHZCx modules, or the TCT, was assembled against a version of VTAM earlier than 3.1, or because the level of VTAM that has just been opened is pre-3.1.

For the meaning of the sense data, see the explanation on page 412.

System Action: Processing continues. Processing continues, but no VTAM XRF functions can be supported.

User Response: If VTAM XRF functions are required, check the assembly of each of the DFHZCx modules and the TCT.

If a pre-3.1 release of VTAM was used in the assembly process, then a warning MNOTE will have been issued.

The relevant modules should then be reassembled against the correct level of VTAM.

If the assembly of all modules is correct, then the VTAM used in this execution is at a pre-3.1 level.

Destination: Console

Module: DFHZSEX,DFHZSLS

XMEOUT Parameters: *applid, sense, instance, {1=DFHZSEX, 2=DFHZSLS}*

DFHZC6598 *applid VTAM Shutdown in XRF Alternate system. CICS will abend. sense ((instance) Module name: {DFHZTPX})*

Explanation: The TPEND exit has been driven because VTAM has been shutdown. This is an XRF Alternate system and it cannot continue without VTAM.

For the meaning of the sense data, see the explanation on page 412.

System Action: The system is abended with a system dump.

User Response: Use the dump to help determine why and how VTAM was shutdown.

Destination: Console

Module: DFHZTPX

XMEOUT Parameters: *applid, sense, instance, {1=DFHZTPX}*

DFHZC6901 W *date time applid Autoinstall BIND for NETNAME netname is invalid. Internal RC: X'code'.*

Explanation: The bind passed for AUTOINSTALL of a resource has shown an error in the bind image check call. The fixed part of the BIND is printed (this is the part on which the validation code operates — see the *SNA Network Protocol Formats* for details of the BIND RU). The internal return code X'code' identifies the location within the module that invalidated the BIND.

System Action: CICS continues but the session is not installed. The request is rejected and message DFHZC2411 is issued. The terminal is not usable until a VTAM LOGOFF command is issued.

User Response: Investigate the fixed part of the BIND data to determine the reason for the rejection. The internal return code gives more information that can be used by IBM to help you to determine the cause of the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6902 E *date time applid Autoinstall failed because no models are defined.*

Explanation: An attempt was made to AUTOINSTALL a terminal; however there are no AUTOINSTALL models defined.

System Action: CICS processing continues, but the AUTOINSTALL logon attempt is rejected.

User Response: Use CEDA to define AUTOINSTALL model(s). For information on this, refer to the *CICS/ESA Resource Definition Guide*.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid*

DFHZC6903 W *date time applid* **Autoinstall for terminal *termid*, NETNAME *netname* using model-name *model* failed.**

Explanation: TCTTE build process failed. The reason is given in a following DFHZC59xx or DFHZC62xx message referring to the same *termid*. The message is followed by message DFHZC6942.

System Action: Processing continues.

User Response: Refer to following messages for further information.

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, termid, netname, model*

DFHZC6904 W *date time applid* **Autoinstall for NETNAME *netname* failed. CATA task abended (abend *abend*).**

Explanation: Transaction CATA, program DFHZATA was autoinstalling a terminal of NETNAME *netname*, when the task abended with *abend abend*.

System Action: CICS continues but the terminal is not installed.

User Response: Retry the logon attempt. If the *abend* indicates a TIMEOUT and this occurs frequently, increase the CATA DTIMOUT value. If you do not want the CATA transaction to time out, remove the DTIMOUT parameter from the CATA DEFINE TRANSACTION command. However, if you do this, and if the system is short on storage, a large number of CATA transactions running at the same time with no other transactions present could cause a deadlock.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, abend*

DFHZC6905 W *date time applid* **Autoinstall delete for terminal *termid*, NETNAME *netname* failed. CATD task abended (abend *abend*).**

Explanation: Transaction CATD, program DFHZATD was deleting an autoinstalled terminal *termid*, when the task abended with *abend abend*.

System Action: CICS continues. If the TCTTE still exists, it is reused next time the same TERMID is used.

User Response: See the description of *abend abend* for further guidance.

If the *abend* indicates a TIMEOUT and this occurs frequently, increase the CATD DTIMOUT value. If you do not want the CATD transaction to time out, remove the DTIMOUT parameter from the CATD DEFINE TRANSACTION command. However, a large number of CATD tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, termid, netname, abend*

DFHZC6906 *date time applid* **Install or delete of remote terminal *termid* failed. *trandid* task abended (abend *abend*).**

Explanation: One of the functions of DFHZATS (transaction CITS, CDTS, CMTS or CFTS) has abended with *abend abend*.

System Action: CICS continues.

For CITS (remote install), if the remote terminal (skeleton) was actually built, CICS might use it.

For CDTS (remote delete), if the remote terminal (skeleton) has not been deleted, it might be reused.

For CMTS (remote mass delete), terminals which have not been deleted by CMTS might be deleted at a later stage.

For CFTS (remote mass flag), terminals which have been flagged for deletion might be deleted at a later stage. If any terminals have not been flagged, attempts might be made to reuse them. This can have unpredictable results.

User Response: See the description of *abend abend* for further guidance.

The most likely reason for this message is a timeout of CITS or CDTS. In the case of CITS, reissue your transaction if necessary.

If the TIMEOUTs occur frequently, consider increasing the CITS or CDTS DTIMOUT values. If you do not want the transactions to time out, remove the DTIMOUT parameter from the CITS or CDTS DEFINE TRANSACTION command. However, a large number of CITS tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Note that CFTS and CMTS do not have a DTIMOUT parameter and should not be given one because they only run once after a warm or emergency restart and should not be allowed to time out.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid, trandid, abend*

DFHZC6910 W *date time applid* **Install for remote terminal *termid* failed.**

Explanation: An INSTALL for the remote terminal *termid* has failed. The reason for the failure is specified in associated DFHZC59xx and DFHZC62xx messages.

System Action: DFHZATS terminates abnormally with a CICS transaction dump.

User Response: See the associated messages for further guidance.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6911 W *date time applid* **Delete for remote terminal *termid* failed.**

Explanation: A DELETE for remote terminal *termid* has failed. Possible causes are that the terminal has already been deleted or that it is in use by another task.

If this message is repeated a number of times, there could be a more serious problem.

System Action: If the message is associated with message DFHZC6912, CICS continues normally. If message DFHZC6912 is not issued, DFHZATS is abnormally terminated with a transaction dump.

User Response: If the message is associated with message DFHZC6912, no action is necessary. If DFHZC6912 is not issued, see the associated DFHZC59xx and DFHZC62xx messages for the reason for the DELETE failure.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6912 I *date time applid* **Unable to delete remote terminal.**

Explanation: This message is issued during a mass delete of remote terminals following a warm or emergency restart. A terminal which had been flagged for deletion could not be deleted. The most likely explanation is that the terminal has already been deleted by another task.

An associated DFHZC6911 message gives the identity of the terminal. This might be associated with one or more DFHZC59xx and DFHZC62xx messages giving the reason for the failure.

System Action: Processing continues normally.

User Response: See the associated messages for further information.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid*

DFHZC6913 I *date time applid* **Remote delete of terminal *termid* failed. Terminal not found.**

Explanation: A remote DELETE has been attempted for a terminal which has already been deleted by another task.

System Action: Processing continues normally.

User Response: None.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6914 E *date time applid* **Autoinstall for Terminal *termid*, Netname *netname* failed. Bad Return Code (RC = *X'retcode'*) from internal function call.**

Explanation: The TCTTE Build process failed due to the failure of an internal function call. The terminal id and netname are given by ins#1 and ins#2 respectively. The value of the invalid return code is given by ins#3.

System Action: The terminal autoinstall process fails. CICS processing continues.

User Response: Retry the logon attempt.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, termid, netname, X'retcode'*

+ DFHZC6915 E *date time applid* **Unable to sign off remote terminal *termid*. Bad Return Code (RC = *X'SNUS_RESPONSE'*) from signon domain call.**

+ Explanation: An unexpected response (INVALID, DISASTER or EXCEPTION) has been received on a call by DFHZATS to function SIGNOFF_TERMINAL_USER during sign-off processing for a remote terminal session running under CRTE.

+ System Action: The terminal sign-off process fails to complete and the terminal user remains signed on. CICS processing continues.

+ User Response: See the related message produced by the domain that detected the original error.

+ Destination: CADL

+ Module: DFHZATS

+ XMEOUT Parameters: *date, time, applid, termid, X'SNUS_RESPONSE'*

DFHZC6920 E *date time applid* **APPC autoinstall for NETNAME *netname* failed. RC *x***

Explanation: An autoinstall attempt to install APPC NETNAME *netname* has failed. The autoinstall program call to the autoinstall control program failed with return code *x*.

The return codes are mapped from the Program Manager LINK_URM response and reason. More precise reasons for failure can be obtained from trace point PG 0A02.

System Action: CICS continues.

User Response: The appropriate response depends on the return code as follows:

- 1** The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
- 2** The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
- 3** The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- 4** The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.
- 5** Loading of the user exit program failed for some other reason. Check the DFHPGLU exit trace entry (PG 0A02) to see why the program manager was unable to load the program.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, x*

DFHZC6921 W *date time applid* **Autoinstall for NETNAME *netname* has been disallowed by the autoinstall control program. Code *X'code'***

Explanation: An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has given a nonzero return code indicating that the install cannot go ahead.

If you do not support APPC autoinstall, the autoinstall control program (DFHZATDX is the default name) automatically returns a nonzero return code to disallow this function.

System Action: The exception trace entry *code* shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

User Response: The failure code *X'code'* is as follows:

X'FA07' If APPC autoinstall is not supported, use the *netname* to determine which device is attempting autoinstall.

If APPC autoinstall is supported, examine the autoinstall control program to determine why it has not set the return code to allow the install.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6922 E *date time applid* **Parameter list error during autoinstall for NETNAME *netname*. Code *X'code'***

Explanation: An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has returned an invalid parameter, or a parameter that has led to an invalid template being used.

System Action: The exception trace entry *code* shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

User Response: The failure code *X'code'* is one of the following:

X'FA08' No *netname* or *sysid* was supplied for the template. Change the autoinstall control program to supply either the *netname* or the *sysid*.

X'FA09' The *sysid* for the new connection has invalid characters. It can only contain A-Z a-z 0-9 and \$#@ (where \$ is X'5B') Redefine the connection name in the autoinstall control program.

X'FA0A' The *sysid* for the new connection already exists. Change the autoinstall control program to supply a unique name.

X'FA0B' CICS is unable to locate the supplied template *netname*. Change the autoinstall control program to supply the correct template name, or use CEDA to install the template connection.

X'FA0C' CICS is unable to locate the supplied template *sysid*. Change the autoinstall control program to supply the correct template *sysid* or use CEDA to install the template connection.

X'FA0D' The template is not an APPC connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0E' The bind indicates that a parallel session connection is required. The template is a single session connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0F' The bind indicates that a single session connection is required. The template is a parallel session connection. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA10' The *modename* in the bind does not match the *modename* in the connection.

For parallel sessions, the SNASVCMG modegroup is

missing. The install for the template may have failed - check for any CADL messages mentioning the template name. The template connection may have been corrupted. Try and re-install the template.

For single sessions, the user modegroup name does not match. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA11' The program that attempted to INQUIRE on the template has detected an error in the template and is unable to create a BPS with which to install the new connection. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the CONNECTION is correct.

X'FA12' The program that attempted to INQUIRE on a user modegroup for the named template has detected an error in the template and is unable to create a BPS with which to install a user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also use CEMT to ensure that the MODEGROUP is correct.

X'FA13' The template connection has no user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and the CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the MODEGROUP is correct.

X'FA14' The template connection is out of service so this install cannot continue. If the install should have been allowed to continue, put the relevant template connection INSERVICE using CEMT.

X'FA15' The incoming bind user data does not have a PLUNAME Network Name subfield (id 04). This is required and should have been supplied by the PLU.

X'FA16' The incoming bind user data does not have a MODENAME Network Name subfield (id 02). This is required and should have been supplied by the PLU.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6923 E *date time applid* **Unacceptable bind parameter during autoinstall for NETNAME *netname*. Code *X'code'***

Explanation: CICS has received a BIND from an unknown APPC node. The autoinstall process was initiated, but an invalid bind parameter has been detected. The parameter in error is indicated by the failure code *X'code'* which is one of the following:

X'FA18' There was no session instance ID field in the bind user data.

X'FA19' There was no Primary Logical Unit (PLU) name in the bind user data.

X'FA1A' The Primary Logical Unit (PLU) name in the bind user data is the same as the LU name of this CICS.

X'FA1B' Security information (an encryption seed) was expected, but not present, in the bind user data.

X'FA1C' Security information (an encryption seed) was found in the bind user data but its length was too high for it to be valid.

X'FA1D' Security information (an encryption seed) was found in the bind user data when none was expected.

X'FA1E' The received bind indicated that it was not negotiable. This is not acceptable for an APPC connection.

X'FA1F' The received bind specified a primary RU size of zero.

X'FA20' The received bind specified a secondary RU size of zero.

X'FA21' The received bind contained inconsistent access security indicators.

X'FA22' Two security information fields (seed and nonce field) were found in the received BIND where only one was expected.

X'FA23' The received BIND contained a nonce field with an incorrect length.

X'FA24' The received BIND did not contain a nonce field.

X'FA25' The received BINDs security mechanisms field length was smaller than the minimum defined by the Architecture.

X'FA26' The received BINDs security mechanisms field contained an invalid length for the mechanism identifier field.

System Action: The exception trace entry with trace point ID 'APxxxx' (where xxxx is X'code') shows the bind that was received. The session is terminated. CICS continues.

User Response: Change the definitions on the connecting LU so that the bind parameters are acceptable to CICS.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6935 I *date time applid* **Autoinstall for *restype resid* with NETNAME *netname* using model or template *model* successful.**

Explanation: CICS has successfully installed resource *restype resid*, with NETNAME *netname*, using model or template *model*. *restype* can be TERMINAL or CONNECTION depending on whether a terminal or APPC connection has just been autoinstalled.

System Action: CICS continues.

User Response: None.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, restype, resid, netname, model*

DFHZC6936 I *date time applid* **Autoinstall for NETNAME *netname*, model_name *modelname* in MTS control vector not known to CICS.**

Explanation: The VTAM MTS control vector contained a model name *modelname* not defined to CICS.

System Action: CICS continues. This message is informational.

User Response: There are four possible ways of correcting this problem:

- Use the CEDA transaction to define and install the autoinstall model
- Change the VTAM MTS MDLTAB MODEL= entry to the name of an existing autoinstall model
- Logon to CICS with a MODEL= parameter that defines an existing autoinstall model.
- Code an Autoinstall User Program. Examples are given in the Customization Guide in the Sample Programs and Copybooks section.

Destination: CADL

Module:
DFHZATA

XMEOUT Parameters: *date, time, applid, netname, modelname*

DFHZC6937 I *date time applid* **Autoinstall for NETNAME *netname*, MTS model *modelname* and bind image mismatch.**

Explanation: An autoinstall attempt occurred using the *modelname* printed. The MODEL BIND (from the CICS model definition) did not match with the incoming bind in CINIT. The MISMATCH_BITS show which bind bits did not match.

System Action: CICS continues. This message is informational.

User Response: There are four possible ways of correcting this problem:

- Change the CICS autoinstall MODEL *modelname* to produce a bind that matches the incoming CINIT.
- Change the MTS MDLTAB MODEL= entry to a model name defined to CICS whose bind matches the CINIT defined in the LOGMODE for this terminal.
- Change the VTAM LOGMODE for this terminal to match the chosen CICS MODEL_BIND.
- Code an Autoinstall User Program. Examples are given in the Sample Programs and Copybooks section of the *CICS/ESA Customization Guide*.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, modelname*

DFHZC6939 W *date time applid* **Autoinstall for NETNAME *netname*, invalid length *nn* found in cinit control vector at offset *offset***

Explanation: CICS verification checks on the format of the control vectors in the CINIT have failed.

offset indicates the first point of failure. This is either a length field greater than 128, or a length field which would cause CICS to overrun the end of a CINIT vector or subvector.

This is either due to incorrect format of the CINIT RU (and therefore probably a VTAM logic error), or due to incorrect parsing of the CINIT RU by DFHZATD, which is a CICS logic error.

System Action: CICS continues. The logon request is rejected.

User Response: Inspect the format of the CINIT RU as captured by the autoinstall program for all rejected logon requests. The first point of failure may be at *offset* or before it since CICS verification checks are permissive.

If the format is incorrect, the origin of the invalid CINIT should be tracked and the problem resolved there.

If the format is correct, this is a CICS logic error. In this case you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, nn, offset*

DFHZC6942 W *date time applid* **Autoinstall for terminal *termid* failed.**

Explanation: An AUTOINSTALL attempt to install terminal *termid* has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same *termid*.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6943 W *date time applid* **Autoinstall delete for terminal *termid*, NETNAME *netname* failed.**

Explanation: An AUTOINSTALL attempt to delete terminal *termid* has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same *termid*.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC6944 W *date time applid* **Autoinstall for NETNAME *netname* failed. RC *x***

Explanation: An autoinstall attempt to install terminal *termid* has failed. The Autoinstall program call to the user exit program failed with return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	Meaning and solution
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, x*

DFHZC6945 W *date time applid* **Autoinstall delete for NETNAME *netname* failed. RC *x***

Explanation: An autoinstall attempt to install terminal *termid* has failed. DFHZATA called the user exit program for DELETE but the user exit failed for reasons given in return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	Meaning and solution
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, x*

DFHZC6946 W *date time applid* **Delete user exit for autoinstalled terminal *termid*, NETNAME *netname* failed. RC *x***

Explanation: CICS has deleted the autoinstalled terminal *termid*. The call to the delete user exit program failed for reasons given in return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	Meaning and solution
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, termid, netname, x*

DFHZC6958 W *date time applid* **Autoinstall for NETNAME**
netname, terminal X'termid' failed. {TERMINAL |
PRINTER | ALTPRINTER} ID is invalid. RC=n.

Explanation: The terminal, printer or altprinter ID supplied by the AUTOINSTALL exit program is invalid. The return code *n* can be one of the following:

n	Meaning
1	Invalid blank in column one
2	Invalid imbedded blank
3	Invalid character used.

System Action: CICS continues but does not install the object.

User Response: Change the AUTOINSTALL exit program to create IDs that contain only valid characters.

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These are specified in the *CICS/ESA Resource Definition Guide*.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, X'termid',*
{1=TERMINAL, 2=PRINTER, 3=ALTPRINTER}, n

DFHZC6966 I *date time applid* **Autoinstall delete for restype resid**
with NETNAME netname successful.

Explanation: CICS has successfully deleted the autoinstalled resource *restype resid*. The *restype* can be a terminal or an APPC connection.

System Action: CICS continues.

User Response: None.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, restype, resid, netname*

DFHZC6987 W *date time applid* **Autoinstall best failure for**
NETNAME netname was model_name model.

Explanation: An autoinstall attempt has failed for lack of an exact match.

netname is the netname of the LU which failed to logon,

model is the name of the model that gave the best failure (that is, the one that had the fewest bits different from the BIND image supplied by VTAM).

The following associated information is also written to CADL:

xxxxxxx... is a string of hexadecimal digits, where *xx* represents one byte, and each byte position represents the corresponding byte position in the BIND image.

CINIT BIND: xxxxxxxx is the bind image supplied by VTAM.

MODEL BIND: xxxxxxxx is the best model.

MISMATCH BITS: xxxxxxxx represents a comparison of the relevant bits from above. A bit set to '1' indicates a mismatch in that position between the BIND image from VTAM and the BIND image associated with the model.

System Action: CICS continues.

User Response:

1. Determine whether the model *model* is suitable. If there are several models which have options, such as TRANSECKEYS, then only the first such model is named in the above message. It will be up to the user-program to make the choice, when the logmode table entry is corrected.
2. Identify the entry in the VTAM logmode table that is being used.
3. Check that this logmode table entry is not successfully in use with other applications, so that to change it might cause this other use of it to fail.
4. Amend the logmode table entry by switching the bits corresponding to '1' bits in the mismatch string. That is, if the bit in the VTAM bind image corresponding to the bit position set to '1' in xxxxxxxx... is '1', set it to '0'. If it is '0', set it to '1'.

For further information, refer to the *CICS/ESA Customization Guide*.

More on the meaning of the various bits in a bind image may be found in *ACF/VTAM Programming* manual, (SC27-0611).

Details of the preparation of VTAM logmode table entries are given in *ACF/VTAM Customization* manual, (SC27-0613).

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, model*

DFHZExxxx messages

DFHZE2600 Syst.sense *sysnsense,termid,taskid*, **Unidentified sense information**

Explanation: The error message writer (DFHEMW) was scheduled to send an error message, but could not identify the system sense code.

System Action: The task is abnormally terminated.

User Response: Refer to the associated messages that were issued previously for further information and guidance.

Destination: Terminal End User

Module: DFHZEMW

DFHZE2604 Syst.sense 0811,termid,taskid, **Unprocessed data at detach**

Explanation: The task to be detached did not completely process the inbound data chain.

System Action: Purging of data is done until end-of-chain (EOC) or CANCEL has been received.

User Response: None.

Destination: Terminal End User

Module: DFHZDET

DFHZNxxxx messages

DFHZN2101 *date time applid* Intersystem session failure. Data base changes may be out of sync. Time *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid*. (Module name:*xxxx*)

Explanation: An intersystem session failed at a critical time during sync point processing. It may be that one side completed and the other side backed out, leaving changes out of synchronization. This is checked for at session recovery, and one of the following messages is issued:

DFHZN2102
DFHZN2103
DFHZN2104
DFHIR2122 (for an MRO link)
DFHIR2123 (for an MRO link)
DFHIR2124 (for an MRO link).

The original failure information provides correlation between this message and its follow-up. UOWID's can be used to correlate these messages with journal records indicating the resources which may be out of synchronization. UOWID's are not transmitted across LU6.1 connections.

System Action: Processing continues.

User Response: Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

Destination: CSMT

Modules: DFHSPP, DFHTCBP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2102 *date time applid* Intersystem session recovery. Data base changes found to be synchronized. Original failure details: *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid*. (Module name:*xxxx*)

Explanation: Intersystem session recovery has been successful. An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow-up to message DFHZN2101, which may have been issued at the time of the failure (if the session failed at a critical time during syncpoint processing).

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2103 *date time applid* Intersystem session recovery. Data base changes found to be out of sync. Original failure details: *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid*. (Module name:*xxxx*)

Explanation: Resynchronization has diagnosed that the local resources associated with the logical unit of work are out of synchronization with remote resources.

This message may be issued as a follow-up to message DFHZN2101.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the local and remote databases.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2104 *date time applid* Intersystem session recovery error. Data base changes may be out of sync. Original failure details: *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid*. (Module name:*xxxx*)

Explanation: This error can be caused by:

- An invalid combination of LUW states at the local and remote systems, or
- A decision to preempt resynchronization activity taken at the local system by setting a connection, NOTPENDING.

This message may be issued as a follow-up to message DFHZN2101 when the system has been unable to discover whether database changes are out of synchronization during session recovery.

System Action: Processing continues.

User Response: Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2105 *date time applid* Intersystem session failure. Data base changes will not be committed or backed out until session recovery. Time=*time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. Unit of work ID=*uowid*. (Module name: *xxxx*)

Explanation: An intersystem session failed at a critical time during sync point processing. The local system has no information as to whether the remote system committed or backed out. The local changes will, therefore, be held locked until session recovery. They will then be committed or backed out, according to the action of the other system. One of the following messages will be issued:

DFHZN2106

DFHZN2106, DFHZN2107 or DFHZN2108. The original failure information provides correlation between this message and its follow-up.

System Action: Locks on local recoverable changes are preserved.

User Response: Re-acquire the session as soon as possible.

Destination: CSMT

Modules: DFHTCBP, DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2106 *date time applid Intersystem session recovery. Suspended changes now being committed. Original failure details: Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid. (Module name:xxxx)*

Explanation: This is an informatory message issued during intersystem session recovery as a follow-up to message DFHZN2105. It has now been established that the remote system completed the sync point, so the local changes are being committed accordingly.

System Action: The system commits local changes and unlocks.

User Response: None.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2107 *date time applid Intersystem session recovery. Suspended changes now being backed out. Original failure details: Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid. (Module name: xxxx)*

Explanation: This message is issued at intersystem session recovery as a follow-up to message DFHZN2105. It has now been established that the remote system *sysid* did not complete the unit of work. Local changes are being backed out accordingly.

System Action: The system backs out local changes and unlocks.

User Response: If required, restart the interrupted transaction *tranid*.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2108 *date time applid Intersystem session recovery. Error while local recoverable changes are suspended. Original failure details: Time= time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. Unit of work ID=uowid. (Module name: xxxx)*

Explanation: This message is issued at intersystem session recovery as a follow-up to message DFHZN2105. Resynchronization failed. Therefore it still cannot be established whether the remote system *sysid* committed or backed out.

System Action:

1. The locks on the suspended changes are released to allow access by a user transaction.
2. Any associated suspended start commands are canceled to prevent premature action.

User Response: Examine the data to see whether the local and remote changes made by the interrupted transaction took effect. Make any changes required to restore consistency.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid, xxxx*

DFHZN2110 *date time applid Abnormal reply to exchange log name command received from system: xxxxxx .*

Explanation: This message is issued when an abnormal reply has been received in response to an exchange log name command. An exchange log name command is sent either following a session failure or at first session initiation after system restart. The abnormal reply may indicate that the other system detected a warm/cold mismatch or a log name mismatch.

System Action: Any sync point level 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

User Response: Ensure that neither system was cold-started (as opposed to emergency-restarted or its equivalent) and that the correct log was used.

There are two ways to solve this problem:

- Ensure that both systems are emergency restarted with the correct system logs.
- Override the error situation by issuing CEMT SET CONN(xxxx) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, xxxxxx*

DFHZN2111 *date time applid* **Cold/Warm restart mismatch with system sysid .**

Explanation: A cold start indication was received in a reply to an exchange log name command. However, this system has units of work that need resynchronizing from the previous run. An exchange log name command is sent either following a session failure or at first session initiation after system restart.

System Action: Any sync point level 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

User Response: There are two ways to solve this problem:

- Emergency restart the remote system with the correct system log.
- Override the error situation by issuing CEMT SET CONN(xxxx) NOTPENDING commands for the failing connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, sysid*

DFHZN2112 *date time applid* **Log name mismatch with system sysid Expected LUNAME.LOGNAME xxxx Received LUNAME.LOGNAME yyyy .**

Explanation: This system's memory of the other system's log name conflicts with the log name being used for resynchronization.

System Action: Any sync point level 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

User Response: There are two ways to solve this problem:

- Emergency restart the remote system with the correct system log.
- Override the error situation by issuing CEMT SET CONN(xxxx) NOTPENDING commands for the failing connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, sysid, xxxx, yyyy*

DFHZN2113 *date time applid* **Log name mismatch with system xxxx . Local LOGNAME yyyy . Received LOGNAME zzzz .**

Explanation: System xxxx has sent an Exchange Log Names request which contains the remote system's memory (zzzz) of this system's logname (yyyy).

This system has detected a logname mismatch. This indicates that system xxxx and this system do not have the correct logs for resynchronization.

System Action: The local system sends an abnormal Exchange Log Names reply in response to the request. Any sync level 2 attaches are inhibited. That is, recoverable activity between the two systems is prevented.

User Response: There are two ways to solve this problem:

- Ensure that both systems are emergency restarted with the correct system logs.
- Override the error situation by issuing CEMT SET CONN(xxxx) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, xxxx, yyyy, zzzz*

DFHZN2131 *date time applid* **Intersystem session failure during CICS synclevel one commit. Data base changes may be out of sync. Time time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. (Module name:xxxx)**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, a session failure occurred at a critical time during the synclevel 1 commit processing, and the synclevel 1 function shipped resources may have committed successfully or may have backed out.

System Action: CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further.

On completion of the syncpoint, CICS abends the user task with abend code ASPK.

User Response: Determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the *CICS/ESA Intercommunication Guide* for information on design considerations in a distributed environment.

Destination: CSMT

Module: DFHSPP

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, xxxx*

DFHZN2132 *date time applid* **Rollback received in response to CICS synclevel one commit. Data base changes are out of sync. Time time. Remote system=sysid. Intersystem terminal=termid. Transaction=tranid. Task number=taskno. Operator terminal=termid. Operator=operid. (Module name:xxxx)**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the resource voted to backout.

System Action: Synclevel 1 commit processing continues with the intention of committing as many synclevel 1 resources as

possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further.

On completion of the syncpoint, CICS abends the user task with abend code ASPK.

User Response: The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the *CICS/ESA Intercommunication Guide* for information on design considerations in a distributed environment.

Destination: CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, xxxx*

DFHZN2133 *date time applid* **Error detected during CICS synclevel one commit. Reason code *rc*. Data base changes may be out of sync. Time *time*. Remote system=*sysid*. Intersystem terminal=*termid*. Transaction=*tranid*. Task number=*taskno*. Operator terminal=*termid*. Operator=*operid*. (Module name:*xxxx*)**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the reply indicated that an error has occurred. The reason code provides details of the error and has the following values:

01	Protocol violation by partner system – unexpected FMH data
02	Protocol violation by partner system – unexpected syncpoint message data
03	Abend received
04	Deadlock or read timeout.

System Action: CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible.

For reason code 01, a transaction dump with dump code ASPI is taken. For reason code 02, a transaction dump with dump code ASPJ is taken. On completion of the syncpoint, CICS abends the user task with abend code ASPK.

User Response: The action to take depends on local procedures.

For reason codes 01 and 02, examine the dump to determine what message data was received from the partner. This information is held in one of the terminal input/output areas. A failure in the communication system might have caused corruption of the data.

Reason code 03 indicates that the partner system has sent an abend. There is an error in the partner system which may need to be investigated.

Reason code 04 indicates that the partner system took too long to respond to the synclevel 1 commit. There could be a problem with the remote system, or the communication system. It may be necessary to increase the deadlock timeout or read timeout values to prevent this recurring.

Destination: CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, rc, time, sysid, termid, tranid, taskno, termid, operid, xxxx*

DFHZN2134 *date time applid* **An error has occurred while sending an Exchange Log Names request on session *sessid* to remote system *sysid*.**

Explanation: An error has occurred during the transmission of an Exchange Log Names request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's Exchange Log Names generalized data stream (GDS) variable.
- There has been an internal error in CICS APPC processing.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, preventing any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this Exchange Log Names conversation.

If the internal trace table is available, use it to track the commands issued against that session, and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the send/receive buffer for the session in question, and check that the contents of the buffer are correct. The contents of the buffer differ depending on the exact point the error is detected, but may contain the Attach FMH5, and the Exchange Log Names GDS variable. The correct format of these SNA defined fields can be found in the *SNA Formats* manual.

Examine the log of the remote system. If a protocol violation was detected in the local system's Exchange Log Names GDS variable, the remote system may have generated diagnostic information itself. This information may help to diagnose the cause of the protocol violation.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2135 *date time applid* **An error has occurred while sending a Compare States request on session *sessid* to remote system *sysid*.**

Explanation: An error has occurred during the transmission of a Compare States request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's Exchange Log Names GDS variable.
- The remote system has detected a protocol violation in the local system's Compare States GDS variable.
- There has been an internal error in CICS APPC processing.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, preventing any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this Compare States conversation.

If the internal trace table is available, use it to track the commands issued against that session, and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 send/receive buffer for the session in question, and check that the contents of the buffer are correct. The contents of the buffer differ depending on the exact point the error is detected, but may contain the Attach FMH5, the Exchange Log Names GDS variable, and the Compare States GDS variable. The correct format of these SNA defined fields can be found in the *SNA Formats* manual.

Examine the log of the remote system. If a protocol violation was detected in the local system's resynchronization data, the remote system may have generated diagnostic information itself. This information may help to diagnose the cause of the protocol violation.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2136 *date time applid* **An error has occurred while receiving an Exchange Log Names reply on session *sessid* from remote system *sysid*.**

Explanation: An error has occurred during the receipt of an Exchange Log Names reply from a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's Exchange Log Names GDS variable.
- The remote system has detected a protocol violation in the local system's Compare States GDS variable.
- There has been an internal error in CICS APPC processing.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, preventing any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

If the internal trace table is available, use this to track the commands issued against that session, and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 send/receive buffer for the session in question, and check that the contents of the buffer are correct. The contents of the buffer differ depending on the exact point at which the error is detected, but may contain the Attach FMH5, the Exchange Log Names GDS variable, and the Compare States GDS variable. The correct format of these SNA defined fields are in the *SNA Formats* manual.

DFHZN2137

Examine the log of the remote system. If a protocol violation was detected in the local system's resynchronization data, the remote system may have generated diagnostic information itself. This information may help to diagnose the cause of the protocol violation.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2137 *date time applid* **An error has occurred while receiving a Compare States reply on session *sessid* from remote system *sysid*.**

Explanation: An error has occurred during the receipt of a Compare States reply from a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's Exchange Log Names GDS variable.
- The remote system has detected a protocol violation in the local system's Compare States GDS variable.
- There has been an internal error in CICS APPC processing.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, preventing any synclevel 2 attaches.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

If the internal trace table is available, use this to track the commands issued against that session, and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 send/receive buffer for the session in question, and check that the contents of the buffer are correct. The contents of the buffer differ depending on the exact point at which the error is detected, but may contain

the Attach FMH5, the Exchange Log Names GDS variable, and the Compare States GDS variable. The correct format of these SNA defined fields can be found in the *SNA Formats* manual.

Examine the log of the remote system. If a protocol violation was detected in the local system's resynchronization data, the remote system may have generated diagnostic information itself. This information may help to diagnose the cause of the protocol violation.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2138 *date time applid* **An invalid Exchange Log Names reply has been received on session *sessid* from remote system *sysid*.**

Explanation: The local system has received an invalid Exchange Log Names reply from the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- An error in the remote system
- A storage overlay
- A CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, preventing any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the terminal control program. (For guidance on how to do this, refer to the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 receive buffer for the session in question, and check its contents. In particular, check the format of the Exchange Log Names GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The format of the GDS variable is incorrect, and the cause of the error should be located. The most likely cause is that the remote system did not send a valid Exchange Log Names reply, in which

case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2139 *date time applid* **An invalid Compare States reply has been received on session *sessid* from remote system *sysid*.**

Explanation: The local system has received an invalid Compare States reply from the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- An error in the remote system
- A storage overlay
- A CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, and this prevents any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 receive buffer for the session in question, and check its contents. In particular, check the format of the Compare States GDS variable (the correct format of this SNA defined field can be found in the *SNA Formats* manual).

The format of the GDS variable is incorrect, and the cause of the error should be located. The most likely cause is that the remote system did not send a valid Compare States GDS variable, in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2140 *date time applid* **A protocol violation has occurred while resynchronizing with remote system *sysid* via session *sessid*. The resynchronization was initiated by the local system.**

Explanation: The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the local system.

This implies one of the following:

- An error in the remote system
- A storage overlay
- A CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity.

User Response: Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the buffers for the session in question, and check that the contents are correct.

Locate the LU6.2 receive buffer for the session in question, and check its contents. In particular, check the format of the Compare States GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The GDS variable is probably incorrect, and the cause of the error should be located. The most likely cause is that the remote system did not send a valid Compare States reply, in which case it may be necessary to obtain further diagnostic material from the remote system.

If the GDS variable is correct, the error is caused by an unexpected session protocol. To check this, compare the resynchronization flows with those documented in the *SNA LU6.2 Reference: Peer Protocols* manual, (SC30-6808).

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sysid, sessid*

DFHZN2141 *date time applid* **A protocol violation has occurred while resynchronizing with remote system *sysid* via session *sessid*. The resynchronization was initiated by the remote system.**

Explanation: The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the remote system.

DFHZN2142

This implies one of the following:

- An error in the remote system
- A storage overlay
- A CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity.

User Response: Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Locate the LU6.2 receive buffer for the session in question, and check its contents. In particular, check the format of the Compare States GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The GDS variable is incorrect, and the cause of the error should be located. The most likely cause is that the remote system did not send a valid Compare States reply, in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sysid, sessid*

DFHZN2142 *date time applid* An invalid Compare States request has been received on session *sessid* from remote system *sysid*.

Explanation: The local system has received an invalid Compare States request from the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- An error in the remote system
- A storage overlay
- A CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases, CICS continues to operate normally, and the resynchronization attempt is retried at the next opportunity. However, the failure may have resulted in no Exchange Log Names flows being successful, and this prevents any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*xxxx*), and look at the XOK field. If Exchange Log Names has not been done, the error situation can be overridden by issuing CEMT SET CONN(*xxxx*) NOTPENDING commands for the failing connection. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the terminal control program. (For guidance on how to do this, see the *CICS/ESA Problem Determination Guide*.)

Determine from the message which APPC session was being used for this resynchronization conversation.

The LU6.2 send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong.

Locate the LU6.2 receive buffer for the session in question, and check its contents. In particular, check the format of the Compare States GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The format of the GDS variable is incorrect, and the cause of the error should be located. The most likely cause is that the remote system did not send a valid Compare States variable, in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHSPZ

XMEOUT Parameters: *date, time, applid, sessid, sysid*

DFHZN2701 *date time applid* Log data sent on ISC session is *xxxxxxx*

Explanation: This is an informational message. The transaction is communicating with a logical unit type LU6.2. It has sent an FMH (function management header) which carries log data.

System Action: The transaction continues processing.

User Response: None.

+ **Destination:** CSNE

Module: DFHZERH

XMEOUT Parameters: *date, time, applid, xxxxxxxx*

Chapter 2. Transaction abend codes

When abnormal conditions occur, CICS can send a message to the CSMT transient data destination containing the transaction ID, the program name and the abend code. Here is an example:

```
DFHAC2236 date time applid Transaction tranid abend primary abcode in program program name term termid backout successful
{ batchid = }batchid. message
```

Alternatively, the application can intercept abends by including an active EXEC CICS HANDLE ABEND command. The actual abend code can be determined by issuing the EXEC CICS ASSIGN command with the ABCODE option.

The transaction identification code *tranid* usually consists of the 4 characters defined to CICS. However, when a transaction is initiated by using a light pen, an operator identification (OPID) card reader, or 3270 PA or PF keys (specified in the TASKREQ= operand), CICS creates an internal transaction identification in the form of a 1-byte 3270 attention identification (AID) code followed by 3 bytes of X'FF'.

The code that may actually appear in the message in place of the internally-created transaction identification will be *xx*, where xx is the character translation of the 3270 AID code. To prevent ambiguity, the user should avoid using these codes as transaction identifiers.

The keys, the light pen (LPA), and OPID, and their corresponding printed AID codes are given in the following list:

LPA	*7E*	PF6	*F6*	PF16	*C4*
OPID	*E6*	PF7	*F7*	PF17	*C5*
PA1	*6C*	PF8	*F8*	PF18	*C6*
PA2	*6E*	PF9	*F9*	PF19	*C7*
PA3	*6B*	PF10	*7A*	PF20	*C8*
PF1	*F1*	PF11	*7B*	PF21	*C9*
PF2	*F2*	PF12	*7C*	PF22	*4A*
PF3	*F3*	PF13	*C1*	PF23	*4B*
PF4	*F4*	PF14	*C2*	PF24	*4C*
PF5	*F5*	PF15	*C3*		

An abend code indicates the cause of an error that may have been originated by CICS or by a user program. For most of the abend codes described, a CICS transaction dump is provided at abnormal termination.

All CICS transaction abend codes *abcode* are 4-character alphanumeric codes of the form **A**xy, where:

Aack 'M' is the IBM-assigned designation of a CICS transaction abend.

xx is the 2-character code assigned by CICS to identify the module that detected an error.

y is the 1-character alphanumeric code assigned by CICS.

Format of information

For each transaction abend code, the following information is given:

- An explanation of events leading to or following the message.
- The action that has been or will be taken by CICS (system action).
- The action recommended for the user (console or terminal operator).
- The module or modules that can determine that the message should be sent (not necessarily the module or modules that can issue the macro to write the message.)

CICS abend codes

AAACA

Explanation: An invalid error code has been passed to the DFHACP program.

System Action: CICS terminates the task abnormally with a dump.

User Response: Notify the system programmer.

Module: DFHACP

AAKP

Explanation: An I/O error occurred while CICS was attempting to write the DFHAK5801 message to the master terminal log.

System Action: CICS terminates the task abnormally with a dump.

User Response: Use the messages relating to the I/O error, and if necessary, the supplied dump to determine the cause of the problem.

Module: DFHAKP

AAL1

Explanation: DFHALP was processing a request that deadlocked. The most likely reason for the abend is that an ALLOCATE QUEUE request has been suspended because there are no contention-winning links available.

System Action: CICS terminates the task abnormally. A dump is taken only if the abend is nontime-out related. A dump is not taken for stall purges and deadlock time-outs.

User Response: Ensure that there are enough contention-winning sessions available to satisfy the ALLOCATE QUEUE request.

If you are running with modegroups, ensure that there are contention-winning sessions available to satisfy the ALLOCATE request in that modegroup.

It might be necessary to increase the deadlock timeout (DTIMEOUT) value for the transaction to prevent this abend from recurring.

Module: DFHALP

AAL2

Explanation: Either an incorrect response (other than PURGED) was returned from the suspend of the allocated task, or an incorrect response was returned from the resume.

System Action: The transaction is abnormally terminated with a dump.

User Response: Check the return code from the resume or the suspend to determine the cause of the error.

Module: DFHALP

AAL3

Explanation: The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged.

It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHALP

AAL4

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAL6

+ **Explanation:** An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to SIGNOFF_TERMINAL_USER by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

+ **System Action:** The task is abnormally terminated with a CICS transaction dump.

+ **User Response:** See the related message produced by the domain that detected the original error.

+ **Module:** DFHALP

AAL7

+ **Explanation:** An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

+ **System Action:** The task is abnormally terminated with a CICS transaction dump.

+ **User Response:** See the related message produced by the domain that detected the original error.

+ **Module:** DFHALP

AAMA

Explanation: There is an internal logic error in DFHAMP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMC

Explanation: The task was purged before a GETMAIN request to the storage manager domain was able to complete successfully.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAMD

Explanation: An unexpected return code has been received from DFHDMP. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMF

Explanation: An unexpected return code has been received following a call to the kernel (KE) domain. This is due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMG

Explanation: An unexpected return code has been received following a call to DFHAFMT. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMH

Explanation: An unexpected return code has been received following a call to DFHFCMT. This is due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMI

Explanation: An unexpected return code has been received following a call to DFHFCRL. This is due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

User Response:

Module: DFHAMP

AAMJ

Explanation: While installing a file, using RDO, a call was made to DFHFCFS to enable the file. An irrecoverable error was returned from DFHFCFS.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMP

AAMK

Explanation: While installing a file, using RDO, a call was made to DFHFCDN. An irrecoverable error was returned from DFHFCDN.

System Action: The task is abnormally terminated with a CICS transaction dump. At the time the error is detected, CICS writes a message to the console, records an exception trace entry, and takes a system dump.

User Response: Inform the system programmer, Examine the trace and dump to identify the point of error.

Module: DFHAMP

AAMN

Explanation: There has been an unexpected return code from a call to DFHPRPT. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMO

Explanation: An invalid return code was returned from DFHTOR, the CICS terminal object resolution program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMP

AAMP

Explanation: An unexpected return code has been received from DFHPUP. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMQ

Explanation: An attempt has been made to install a partner using RDO. However, the partner resource manager (PRM) is unavailable having failed to initialize during CICS initialization.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If you need to use the PRM, correct the problem which prevented the PRM from initializing, and restart CICS.

Module: DFHAMP

AAMS

Explanation: There has been an unexpected return code following a GETMAIN request to the storage manager. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMT

Explanation: There is an internal logic error in DFHAMP due to an unexpected return code from DFHTMP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMZ

Explanation: An unexpected return code has been received from DFHZCP. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAM1

Explanation: DFHXMCL has returned an unexpected response during the install of a transaction class. This can be caused by the task being purged during the install.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

If an error has occurred, at the time the error is detected, CICS issues a DFHXMnnnn console message, records an exception trace entry and takes a system dump.

User Response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAM2

Explanation: DFHMXD has returned an unexpected response during the install of a transaction definition. This can be caused by the task being purged during the install.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

If an error has occurred, at the time the error is detected, CICS issues a DFHXMnnnn console message, records an exception trace entry and takes a system dump.

User Response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAOA

Explanation: An application has issued a CPI verb which CICS does not support. The entry point referenced in the application program was resolved in the link edit stub, but the function requested could not be resolved when control passed to CICS.

There are two possible reasons for this:

- You have linkedited your application program with a CPI stub which supports more function than this release of CICS.
- The linkedit stub has been corrupted.

System Action: The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written.

User Response: At the time of the error, general register 0 points to an 8-byte character string which should match the name of the issued CPI call. Use the trace or the dump to verify that this character string is the name of a CPI function which is supported.

If the character string is not an intelligible character string, the stub has probably been corrupted.

Module: DFHCPI

AAOB

Explanation: An application has issued a CPI verb which specifies more than eight parameters.

System Action: The transaction is abnormally terminated with a CICS transaction dump and an exception trace entry is also written.

User Response: Change your application program so that the correct number of parameters is specified on the CPI call.

Module: DFHCPI

AAOC

Explanation: CPI Communications is invoked with an invalid number of parameters for call

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the incorrectly issued CPI Communications verb name. Use this to determine where the application program was in error and amend it accordingly.

The *SAA CPI Communications Reference* manual, SC26-4399, provides a detailed description of all the CPI Communications verbs and how they should be called.

Module: DFHCPARH

AAOD

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBI

AAOE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBA

AAOF

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBS

AAOG

Explanation: During the processing of CMACCP (accept conversation), CPI Communications detected that the application was attached with an unsupported sync level.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by a back-end CPI Communications transaction being attached with a sync level that is not CM_NONE (0) or CM_CONFIRM (1).

Change the front-end transaction, (that is, the initiator of the conversation in the other system) so that it defines the sync level correctly.

Module: DFHCPCBA

AAOH

Explanation: Journaling of data sent on a CPI Communications mapped conversation has failed. This condition is caused by a bad response from journal control.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' - WRITE
X'8003' - PUT

Possible response codes are:

X'01' - IDERROR - Journal identification error
X'02' - INVREQ - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
R4=@JCA	TCZARQPJ	JCAJCRC is nonzero.

R4=@JCA TCZARQPJ JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Module: DFHCPCOJ

AAOI

Explanation: The journaling of data received on a CPI Communications mapped conversation has failed.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' WRITE
X'8003' PUT

AAOJ

Possible response codes are:

X'01' IDERROR Journal identification error
X'02' INVREQ Invalid request
X'03' STATERR Status error
X'05' NOTOPEN Journal not open
X'06' LERROR Journal record length error
X'07' IOERROR I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
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R4=@JCA	TCZARQPJ	JCAJCRC is nonzero.
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System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by an invalid response from the journal control. Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Modules: DFHCPCRI, DFHPCRW

AAOJ

Explanation: CPI Communications has detected an unexpected response from one of its internal routines.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOK

Explanation: CPI Communications has detected an unexpected call to one of its internal routines.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOL

Explanation: CPI Communications has made an invalid call to DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLR

AAOM

Explanation: The CPI Communications and the DFHZUSR state machines are out of synchronization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHCPCLR, DFHCPSRH

AAON

Explanation: CPI Communications has detected an unexpected response from DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHCPCLR, DFHCPCLC

AAOO

Explanation: CPI Communications has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPARH

AAOP

Explanation: The CPI Communications state machine has been requested to perform a state transition request that is considered to be an 'impossible' situation. (The *SAA CPI Communications Reference* manual, (SC26-4399) documents all these situations.)

There are two possible causes of this error:

- The CPC (conversation control block) has been overwritten in such a way that the conversation state has been altered, or
- There is an error in the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

The transaction dump shows the CPC. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPFS

AAOQ

Explanation: The return code generated by CPI Communications does not have an entry in the state table against the current CPI Communications verb. This error is detected by the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPFS

AAOR

Explanation: CPI Communications has detected an invalid value in the CPC (conversation control block).

There are 2 possible causes of this error:

- The CPC (conversation control block) has been overwritten, or
- There is an error in CPI Communications which causes it to reject valid values.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

Module: DFHCPIC

AAOS

Explanation: CPI Communications has detected that the conversation state is RESET for a situation where this should not occur. That is, the conversation control block (CPC) is about to be deleted.

There are two possible causes of this error:

- The CPC has been overwritten, or
- There is an error in CPI communications.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOT

Explanation: While chaining through the CPCs (conversation control blocks) for a given conversation, CPI Communications detected that the chain was broken.

There are two possible causes of this error.

1. The CPC chain has been overwritten, or
2. There is an error in the CPI Communications chaining mechanism.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine which of the above caused the error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPBI

AAOU

Explanation: CPI Communications has detected an error in the TP_name or partner_LU_name while processing an initialize conversation request. The TP_name or partner_LU_name is obtained by lookup of the sym_dest_name in the partner resource table (PRT).

There are two possible causes of this error.

1. The entry in the PRT contains invalid data, or
2. There is an error in the mechanism that returns the data from the PRT and interprets it.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

AAOV

Module: DFHPCBI

AAOV

Explanation: CPI Communications has detected that its internal state table is corrupted.

This error is detected by the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPFS

AAOW

Explanation: CPI Communications has detected an internal logic error in DFHCPCLC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLC

AAOX

Explanation: CPI Communications has detected a bad syncpoint return code which has been set on a synclevel 0 or 1 conversation. The bad return code is only expected on a synclevel 2 conversation.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOY

Explanation: CPI Communications detected an invalid LL field in the GDS records from which it was receiving on a mapped conversation.

Although it is possible that the remote system is sending invalid records, it is more likely to be an error in the receive logic because DFHZARRC (a lower level receive module) also checks the LLs before passing them to CPI Communications.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use CICS traces and, possibly a VTAM trace, to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPRB

AAOZ

Explanation: CPI Communications has detected an invalid ID field in the GDS records it was receiving on a mapped conversation. The exception trace point that accompanies thisabend gives the ID field in data 3. The valid IDs are '12FF'X for application data and '12F1'X for null data.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use CICS traces and, possibly, a VTAM trace to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPRB

AAO2

Explanation: CPI Communications has detected an unexpected response from DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPBA

AAO3

Explanation: The CPI interface detected that a call was made to a CPI Communications function without CPI Communications being initialized. This implies that CPI Communications initialization failed while CICS was initializing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written when this event occurs.

User Response: Check the console listing to determine the reason why CPI Communications failed to initialize during CICS initialization. Correct the problem and restart CICS.

If the console listing indicates that CPI Communications initialized successfully, you need further assistance to resolve the problem. Collect the console listing, the traces and the transaction dump.

See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPI

AAO4

Explanation: DFHZARL, or a module called by DFHZARL, has detected a logic error. This error is almost certainly caused by the module receiving invalid data or indicators from VTAM.

System Action: Before returning to the CPI Communications layer, DFHZARL calls DFHZNAC to clean up the session and put out messages on the CSNE log. CPI Communications abnormally terminates the transaction with a CICS transaction dump, and produces an exception trace entry.

User Response: Check the CSNE log to determine the type of error. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLR

AAO5

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Modules: DFHPCBA, DFHPCBI, DFHPCBS

AAO7

Explanation: The CPI Communications syncpoint request handler has been passed an invalid DFHLUC parameter list. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPSRH

AAO8

Explanation: The CPI Communications syncpoint request handler has been passed an invalid conversation control block (CPC). This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPSRH

AAO9

Explanation: A task has been purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHCPCLR

ABLA

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Modules: DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

ABLB

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Please see the related message produced by the domain that originally detected the error.

Modules: DFHMCP, DFHMCPPE, DFHM32, DFHPBP, DFHRLR

ABMA

Explanation: The user has supplied a terminal I/O area (TIOA) with an invalid data length that was either equal to zero or greater than the storage accounting length minus 12.

Alternatively, the length field of a header or trailer area provided by the application program is invalid (that is, not positive).

Problem Determination: The output services work area (OSPWA) is in user storage and will be printed in a transaction dump. It is addressed by register 2 at the time of the abend. Relevant fields are:

- OSPTR7
- OSPHDRA
- OSPTRLA

Register 4 or OSPTIOA points to the TIOA. In the TIOA, the following fields are relevant:

TIOATDL TIOASAL

Register	Label	Description
R4=@TIOA	PBCKTDL	TIOATDL is zero or greater than TIOASAL-12.
R2=@OSPWA R0=length of trailer R8=@trailer	PBD20080	R0 (= first halfword of trailer) is zero. R8=OSPTRLA. OSPTR7 has X'20' bit set.
R2=@OSPWA R8=@header R0=length of header.	PBDTXHDR	R0 (= first halfword of header) is zero. R8=OSPHDRA. OSPTR7 has X'40' bit set.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the program that supplied the erroneous data length.

Check the TIOA. If either of the conditions described is present, check the application program. For programs using command-level interface, the TIOA is obtained by CICS using the length of the data item passed in the FROM option on an EXEC CICS SEND MAP or EXEC CICS SEND TEXT command, or in the TRAILER or HEADER option on an EXEC CICS SEND TEXT or an EXEC CICS SEND PAGE command. Check the data item for zero length.

Header and trailer records have a special format described in the *CICS/ESA Application Programming Reference*. An ABMA abend occurs if the first halfword (the length) is not positive. Check the

remainder of the header/trailer record for validity when the length is checked.

Modules: DFHPBP, DFHMCP

ABMB

Explanation: The user has specified a cursor position in the BMS output request. It is larger than the current screen size for the 3270 for which output is being built.

Problem Determination: If the abend occurs in DFHPBP:

At the time of the abend, register 2 points to the OSPWA and register 1 to the TTP. Relevant fields are:

- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPCP contains a halfword cursor position specified by user
- TTPSCSZ contains the halfword value of the screen size to compare against.

If the abend occurs in DFHMCP or DFHMCX:

- Register 6 points to the OSPWA (in LIFO storage)
- OSPCP contains a halfword cursor position specified by user
- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPSCSZ contains the halfword value of the screen size to compare against.

Analysis:

Register	Label	Description
In DFHPBP: R2=@OSPWA	PBDBADC	OSPTR3 X'10' bit set indicates the user-specified cursor position. TTPSCSZ halfword screen size. OSPCP halfword cursor position.
R1=@TTP		
In DFHKCP or DFHMCX: R6=@OSPWA	MCENEAU2	OSPTR3 X'10' bit set indicates the user-specified cursor position. OSPSCSZ halfword screen size. OSPCP halfword cursor position.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the program that specified the incorrect cursor location.

Use trace to identify the statement issuing the request. Check that the cursor position is being correctly set. The program may have been designed to run in alternate screen size mode but is being run in default screen size mode, or it may have been designed to run on a 3270 model different from the one in use. If the program is routing a message, the route list should be checked. If the program is to run with various 3270 models, the cursor position should be within the size of the smallest screen.

Modules: DFHPBP, DFHMCP (for minimum-function BMS), DFHMCX

ABMC

Explanation: The CMSG transaction is attempting to send a message to a greater number of terminals than is possible. There is no fixed maximum because the value depends on the other operands specified on the routing command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Redefine the route list.

Module: DFHMCP

ABMD

Explanation: DFHTPR or DFHTPP has issued a DFHDI TYPE=SEND and has received a return code other than "FUNCERR-REQUEST FOR CHANGE DIRECTION SIGNALLED" or "NORESP"

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Inform your system programmer.

Modules: DFHTPP, DFHTPR

ABME

Explanation: DFHTPR or DFHTPP has detected an invalid datastream while processing a basic mapping support (BMS) request.

System Action: The transaction is abnormally terminated with a CICS transaction dump in which register 7 indicates the location at which the abend was detected.

User Response: Examine the transaction dump for bad data in the TIOA. If the origin of the bad data is an application program, correct the program.

Modules: DFHTPP, DFHTPR

ABMF

Explanation: The value specified for the length option of the basic mapping support (BMS) send map is greater than the length of the 'from' area.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Redefine the value for the length option.

Module: DFHPBP

ABMG

Explanation: The user has requested a basic mapping support (BMS) service that was not specified at system generation, or at initialization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correlate services requested against options specified in the system generation of BMS.

Follow this procedure:

1. Scan the trace table for the transaction ID that issued the abend. If this is CSPQ (page cleanup), module DFHTPP abnormally terminated because a message purge delay of zero has been specified and CSPQ has been entered via a terminal.

The message purge delay is specified in the PRGDLY of the DFHSIT macro, and its value can be found in SITPRGD.

2. Scan the trace table for the last BMS request (code 'FA'). Use the option bytes at the start of the failing module to see if the requested functions have been generated. For example, paging may have been requested, but standard or minimum BMS was specified in the SIT.
3. If the BMS request is compatible with the BMS options in the CICS system generation, some incompatible suffixing amongst BMS modules must have occurred. This can happen if the DFHSIT macro specified individual suffixes for the BMS modules.

The following modules differ between standard and full-function BMS:

DFHMCP DFHRLR DFHPBP DFHTPP

Modules: DFHMCP, DFHTPP

ABMI

Explanation: The map specified for a BMS input mapping request was not an input map.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either define another input map or redefine the existing map.

Modules: DFHMCP, DFHMCX

ABML

Explanation: The terminal control locate routine received invalid data from DFHRLR and returns with an error return code. DFHRLR is attempting to scan the TCT for a BMS ROUTE request with LIST=ALL or operator class or operator ID specified in the route list. The terminal control table may have been corrupted.

Problem Determination: Register 11 points to the current TCTTE in the search.

The TCT prefix (DFHTCTFX) can be located from CSATCTBA.

The first terminal entry (TCTTE) in the TCT is addressed by TCTVTEBA.

TCTTETEL is the halfword offset from current TCTTE to the next.

Analysis: The current TCTTE address is either not on a full-word boundary or is not within the limits of the TCT, or the address of the next TCTTE, obtained by adding TCTTETEL to the current address, is invalid. This check is made by locate code (DFHZLOC) in DFHZCX.

Register	Label	Description
R11=@TCTTE	RLRLOCN	Issue DFHTC CTYPE=LOCATE

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

The terminal control table has probably been corrupted during execution. Attempt to scan through the TCT in a dump. (Because the system dump uses the same technique for printing all TCTTEs, the system dump fails at the same point.)

Determine which entry is incorrect. It may be that the TCTTE has been overwritten by user data that is recognizable in the dump.

Check the application program for references to the TCTTE pointer. Check for user data that may be addressed from the same pointer.

ABMM

In an assembler program, there may be multiple equates for the TCTTE base register.

It may be that the TCT is being overwritten by some earlier transaction. If this is so, it is probably one associated with the terminal whose TCTTE is overwritten.

Modules: DFHRLR for full-function BMS

ABMM

Explanation: An invalid map was specified.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the supplied dump to diagnose the problem. Register 6 contains the address of the BMS instruction being executed when the error was recognized.

Module: DFHPBP

ABMO

Explanation: The map specified for a BMS output mapping request was not an output map.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either define another output map or redefine the existing map.

Modules: DFHMCP, DFHMCX

ABMQ

Explanation: The query transaction (CQRY) has been initiated and either the task is not terminal-oriented, or the associated terminal is not defined to CICS as a 3270 or SCSPRINT device. This abend will occur if CQRY is entered at a console, even when the console is a 3270 device, since the console has the appearance to CICS of a keyboard/printer device. The CQRY transaction does not have an operator interface, and under normal conditions there is no need for an operator to invoke CQRY or for a user transaction to START the CQRY transaction. CQRY is run automatically by CICS when a 3270 or SCSPRINT device connects. In the transaction dump, register 8 contains the address of the TCTTE for the associated terminal. If register 8 contains zero, this indicates that the task is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: Ensure that the terminal associated with CQRY is of the 3270 or SCSPRINT family of devices.

Module: DFHQRY

ABMR

Explanation: The Page Retrieval transaction (CSPG) has been initiated but the task is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: Ensure that a terminal is associated with the CSPG transaction.

Module: DFHTPR

ABMU

Explanation: The application program supplied an address that is not within region boundaries. The low-order 3 bytes of general register 1 in the transaction dump contain the erroneous address. The high-order byte of register 1 indicates the address type as follows:

X'01' Title address (TCAMSTA)
X'02' Alternate I/O area address (TCAMSIOA)
X'03' Map address (TCABMSMA)
X'04' Header address (TCAMSHDR)
X'05' Route list address (TCAMSRLA)
X'06' Trailer address (TCAMSTRL)
X'07' Map set address (TCAMSMSA)
X'08' TIOA address (TCTTEDA)

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that is supplying the erroneous address.

Modules: DFHMCP, DFHEMS

ABMV

Explanation: DFHRLR has detected an invalid route list entry.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the route list is correctly built with reserved field in the entry containing blank and a stopper of halfword X'FFFF' to terminate the list.

Module: DFHRLR

ABMX

Explanation: A text string passed to BMS contained a set attribute order that was invalid for one of the following reasons:

1. The set attribute sequence was less than three characters.
2. The attribute type was invalid.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program.

Module: DFHPBP

ABMZ

Explanation: The address of the terminal I/O area (TIOA) in TCTTEDA was found to be zero.

When using BMS fast path as a result of an EXEC CICS RECEIVE MAP, DFHEMS always initializes TCTTEDA with the address of the TIOA. If TCTTEDA is subsequently found to be zero by DFHMCX, an overwrite must have occurred.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate why TCTTEDA is zero.

Scan the trace table for the last BMS request (code FA) for the failing task and try to determine which user programs have been given control since that BMS request.

Modules: DFHMCP, DFHMCX

ABM0

Explanation: The map specified for a basic mapping support (BMS) request could not be located.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check if the map has been defined. If it has, check that it has been specified correctly.

Modules: DFHMCP, DFHMCX

ABM1

Explanation: A basic mapping support (BMS) service is requested by a task associated with a terminal that is not supported by BMS. The request is not a routing request.

Problem Determination: At the time of the abend, register 11 addresses the TCTTE, and TCTTETE and register 6 address the TCTTE extension, TCTTETE.

Relevant fields are:

TCTTEDDS the device dependent suffix.
TCTTEMSS the map set suffix.

Analysis: DFHRLR tests the device dependent suffix and the map set suffix in the TCTTE extension. If both of these are zero, the terminal is not supported by BMS and DFHRLR abends the task with the abend code ABM1.

Register	Label	Description
R4=	RLRSFXCK	TCTEDDS=X'00' and TCTEMSS=X'00'.
@TCTTETE		The device dependent suffix and the map set suffix have loaded into the lower two bytes of register 3 by the subroutine RLRSUFXS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not use terminals not supported by BMS for applications using BMS services.

Check the terminal type and model number. Confirm that it is a terminal that is not supported by BMS. A list of terminals supported by BMS is given in the *CICS/ESA Application Programming Guide*. Check that the TCT macro for the terminal accurately describes the physical terminal.

Module: DFHRLR

ABM2

Explanation: No user data was supplied for this BMS request. That is, the address of a user data area was not found in either TCTTEDA or TCAMSIOA.

When a BMS macro level output request is issued, the user must have placed the address of the data to be passed to BMS in TCTTEDA or TCAMSIOA before issuing the macro. The choice is made on the following criteria:

- If the data is to be passed in a TIOA by a terminal-oriented task, the address of this TIOA may be placed either at TCTTEDA, or in TCAMSIOA together with the setting of binary zeros into TCTTEDA.
- If the data is being passed by a terminal-oriented task but not in a TIOA, the address of the TIOA-like area of this data must be placed in TCAMSIOA and binary zeros set into TCTTEDA.

- If the data is being passed by a non-terminal-oriented task, the address of the TIOA-like area of this data must be placed in TCAMSIOA. TCTTEDA cannot be referenced, because there is no TCTTE associated with this task.

If a task attempts to pass addresses from both TCTTEDA and TCAMSIOA, the address in TCTTEDA is the one selected.

Problem Determination: The output services work area (OSPWA) is addressed by register 9. The TCTTE is addressed by register 11. The TCA is addressed by register 12.

The relevant fields are:

Field	Description
OSPIND01	OSPWA indicator byte 1
OSPIOA	Alternate I/O area address
OSPSIOA	Address of address of data (TCTTEDA/TCAMSIOA)
OSPTIOA	Address of user data found by BMS
OSPTR1-8	BMS request data saved from the TCA
TCTTEDA	Terminal data area address
TCAFCI	Facility control indicator
TCAMSIOA	Alternate I/O area address

Analysis: The ABM2 abend is invoked at one point in DFHMCP, at label MCPABEND. There are five regions in DFHMCP in which the user's data is sought:

	Label
TYPE=MAP	MCPMAP
TYPE=PAGEBLD,DATA=YES/ONLY	MCPPGBLD
	MCPGTIOA
TYPE=TEXTBLD,DATA=YES/ONLY	MCPPGBLD
	MCPGTIOA
Mapping but not PAGEBLD,DATA=YES/ONLY	MCPMAPNG
No (mapping,PAGEBLD,TEXTBLD,PAGEOUT)	MCPDFALT

"Mapping" refers to BMS requests that specify maps, that is OSPTR3 bits 5 or 6 or 7 or OSPTR4 bit 3 set on.

Each of these functional regions does a BAL to subroutine MCPFTIOA to search for a user data area. If a valid area (abend ABMU if not) is found, its address is put into OSPTIOA and the address of the data address (of TCAMSIOA or TCTTEDA) is set into OSPSIOA. If a data area is not found, OSPTIOA is cleared and OSPSIOA is now loaded with the address of OSPTIOA as a null data area.

On the BAL return, OSPTIOA is tested for a nonzero value. If it is zero, a branch to MCPABEND is taken.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The programmer must place the address of the data into TCTTEDA or TCAMSIOA, whichever is appropriate.

Firstly, check that the user has loaded TCTTEDA or TCAMSIOA with the address of the user data, by checking the application listing and the contents of TCTTEDA and/or TCAMSIOA.

Next, check that the BMS request has been correctly decoded by CICS by referring to the OSPWA request bytes (OSPTR1-8) or decoding the last BMS entry in the trace table. See OSPIND01 to check correct decoding of PAGEBLD or TEXTBLD, and TCAFCI bit 7 to identify whether the task is terminal-oriented or not.

At the abend point, register 1 contains the user data address last loaded, and register 4 the address of OSPTIOA as an address of null data.

If a CICS error is suspected, concentrate initially on subroutine MCPFTIOA, because this is a simple piece of code that shows the data-fetch logic. ABM2 condition is trapped early in the CICS decoding of the DFHBMS request and involves module DFHMCP only.

Case/Register	Label	Description
R9=@OSPWA	MCPMAP	OSPTR4 has OSPTRM (X'04') bit set for TYPE=MAP.
R9=@OSPWA	MCPGBLD	OSPTR5 has OSPTRB (X'80') bit set and BMS sets bit OSPLMPB (X'08') in OSPIND01 for TYPE=PAGEBLD. OSPTR4 has X'40', X'80', or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
R9=@OSPWA	MCPXTBLD	OSPTR7 has OSPTRX (X'80') bit set and BMS sets bit OSPLMTB (X'04') in OSPIND01 for TYPE=PAGEBLD. OSPTR4 has X'40', X'80', or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
R9=@OSPWA	MCPMAPNG	OSPTR3 has OSPTSN (X'01'), OSP TSA (X'02'), or OSP TMM (X'04') bits set, or OSPTR4 has OSP TMA (X'10') bit set for mapping. OSPTR4 has X'04' or X'80' or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
A11 R12=@TCA	MCPFTIOA	TCAF CI has TCAFCTRM (X'01') bit set if the task is terminal-oriented.
A11 R11=@TCTTE	MCPFTIOA	TCTTEDA could point to a use TIOA but does not, thus causing the abend.
A11 R12=@TCA	MCPFTIOA	TCAMSIOA could point to a user data area (TIOA or otherwise), but does thus causing the abend.
A11 R9=@OSPWA	MCPNTOTM	OSP TIOA contains the address of the user area found, so is zero. OSP SIOA points to OSP IOA (which is copied from TCAMSIOA) as being the second-dry data area sought by BMS for data . OSP I A (TCAMSIOA) was also zero so causing

the abend.

Module: DFHMCP

ABM3

Explanation: A BMS input or output request has been issued from a task that is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: The task issuing a BMS input or output request must be attached to a terminal.

Module: DFHMCP

ABM4

Explanation: An invalid request response has been received to a temporary storage PUT or PUTQ request issued by BMS. The data passed to the temporary storage program has an invalid length.

Problem Determination: Abend in DFHMCP (see Analysis)

The OSPWA (output services work area) is in user storage and is printed in a transaction dump. It is addressed by register 9 at the time of the abend. Relevant fields are:

OSP TITLE
 OSP TTCNT
 OSP PLTI
 OSP TOTPG

The message control record (MCR) is an area of user storage obtained by BMS. It is addressed by register 8 at the time of the abend. The first 8 bytes contain storage accounting information. MCRLB B contains the length of the MCR (halfword) abend in DFHTPP.

The page buffer is addressed by register 7 at the time of the abend. It contains storage accounting fields in the first 8 bytes and a halfword length at offset 8 (TSIOAVRL).

In both cases, the temporary storage use map (DFHTSMAP) is addressed from CSATSATA. TSMAPCOM contains the number of available bytes in a control interval on the temporary storage data set.

Analysis: If the temporary storage request preceding the abend is a DFHTS PUT, the abend occurred in DFHMCP. If the temporary storage request preceding the abend is a DFHTS PUTQ, the abend occurred in DFHTPP. If the abend occurred in DFHMCP, DFHMCP is attempting to put the message control record to temporary storage. Check the length of the MCR (MCRLB B). It may be negative.

The length of the MCR is calculated by code following label MCPNODDS and is:

$$28 + 21 * OSP TTCNT + (\text{length of title record}) + (\text{space for page/LDC table, if needed})$$

The address of the title record is at OSP TITLE and the length is contained in the first halfword. Space for the page/LDC table is required if OSP PLT1 is nonzero, which should occur only for messages routed to LDC devices (3600, 3650, 3767, 3770, 3790). The number of entries is in OSP TOTPG. 2 bytes are required per entry.

If the abend occurred in DFHTPP, BMS is attempting to add a page to the temporary storage queue, and the page buffer will not fit in the control interval. TSIOAVRL contains the length of the page buffer.

For messages directed to 3270 devices, the page buffer consists of a 3270 data stream with a 4-byte page control area following it (a 3270 data stream may be larger than the number of characters available on the screen, particularly if extended 3270 attributes are used). For messages directed to other devices, the page buffer consists of a message formatted with NL characters, a 4-byte page control area following it. The length in TSIOAVRL should be less than the length in the preceding storage accounting area, otherwise an error has occurred in constructing the page, possibly in prior BMS requests.

In either of the above cases, if the length of the area being output appears valid, it is necessary to increase the control interval size for the temporary storage data set.

Register	Label	Description
DFHMCP R8=@MCR	MCPMCRS	The MCR is too long or has invalid length (\$4).
DFHTPP R7=@pgbuf	TPNOPGL or TPNODDS	The page buffer is too large.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Determine from the trace table whether the abend occurred in DFHMCP or DFHTPP.

Check the length of the appropriate area.

If the MCR length is invalid, possible reasons are:

- The title record specified in the TITLE option on a BMS ROUTE request has an invalid format, that is, it does not begin with a halfword length field or is more than 64 characters.
- The message is being routed to more terminals than intended. OSPTTCNT is very large, for example, if LIST=ALL is specified on a ROUTE request and there are a large number of terminals in the TCT.

If the page buffer length is too large, this may be because more data than intended is being built into the page. If the page buffer length is greater than the length of the storage area indicated in the preceding storage accounting area, an error has occurred in page or text building, and the page buffer extends beyond the area allocated to it (that is, storage violation).

Modules: DFHMCP, DFHTPP

ABM5

Explanation: A DFHTS TYPE=PURGE request has been issued with an invalid REQID. This incorrect request was issued by basic mapping support (BMS).

DFHTPR cannot find the terminal identifier for the current terminal in the terminal list in the message control record (MCR).

Problem Determination: The TS identifier is built in TCATSDI before the TS purge is issued, although this has probably been overwritten before the dump is taken. The trace table entry for the DFHTS TYPE=PURGE contains the TS identifier in the last 8 bytes.

The OSPWA is addressed by register 9.

OPSTSID temporary storage identifier (8 bytes).

Register 8 points to the MCR.

Register 5 points to the current entry.

Register 0 points to the end of table.

Register 9 points to the TCTTE.

The terminal list starts at MCRIDLST and the terminal identifier is at the start of the terminal entry. Each terminal entry is X'15' bytes long.

Analysis: DFHMCP uses the temporary storage identifier in OSPTSID.

Cannot find the terminal identifier for this terminal in the terminal list in the MCR.

Register	Label	Description
R9=@(OSPWA)	MCPCPKGS	Code builds the temporary storage code in TCATSDI and issues DFHTS TYPE=PURGE macro, specifying IDERROR exit of MCPTSIDE, where the abend is raised.
R8=@(MCR)	TPRCKID	Code scans terminal list for a terminal entry that has the id of the current terminal, and if it cannot be found, links to TPRSNN to raise the abend.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the trace table and find the preceding PUT/PUTQ TS requests. Check whether the identifier for the PUT/PUTQ is the same as that for the PURGE. If it is not, find out how they differ. Check to see if the OSPWA has been corrupted.

This error is very unlikely, as the label indicates (TPRSNN - "Should Not Happen"). DFHTPS has scanned the MCR to identify the terminals to which this message is directed, and has created an AID to initiate CSPG (DFHTPR) at each of them. However, when DFHTPR retrieves the MCR, it cannot find the current terminal identifier in the list of terminals. Presumably the MCR has been corrupted between creation of the AID and dispatching of CSPG at the terminal. Check back through the trace table to find the instance of DFHTPS that built the AID for this terminal (transaction CSPS); it will have issued a TC LOCATE request to verify that the terminal identifier is valid, and this identifier can be seen in the trace entry.

Modules: DFHMCP, DFHTPR

ABM6

Explanation: Transaction CSPS, scheduled internally by BMS, has not been installed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Install the transaction CSPS (Group DFHBMS).

Module: DFHMCP

ABM7

ABM7

Explanation: The trailer specified to be used while building pages of text data is longer than the page.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that issues the request with too long a trailer.

Module: DFHPBP

ABM8

Explanation: A BMS text request specified a value for the JUSTIFY option which is zero or too large for the page being built.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that specified too large or zero value for the JUSTIFY option.

Module: DFHPBP

ABM9

Explanation: The text data overflow routines have been reentered while text overflow was in process. This condition occurs when the line requirements for the text header and/or trailer exceed the line capacity of the page for which data is being formatted.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Reduce the number of lines required for the header and/or trailer or increase the page size of the terminal.

Module: DFHPBP

ABNA

Explanation: No route list was supplied with a route request received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNB

Explanation: Either the principal facility of the task is not a TCTTE of the correct type, or the task has no principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHTPS has not been specified as the initial program of a transaction other than CSPS. Check that the operator did not enter CSPS from the terminal.

Module: DFHTPS

ABNC

Explanation: An attempt to access a temporary storage queue failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that temporary storage is correctly generated.

Module: DFHTPS

ABNE

Explanation: An error response was received from an invocation of a BMS TYPE=ROUTE or TYPE=STORE request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that BMS was correctly generated.

Module: DFHTPS

ABNF

Explanation: The transaction was not in send mode when it sent data to the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNG

Explanation: An attach request was received from the remote system without any data indicating the reason for the request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNH

Explanation: An attempt to ship data to the remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNI

Explanation: CICS could not find a profile for an LU6.2 transaction routing request.

System Action: CICS terminates the task abnormally.

User Response: Either you have specified an incorrect name in the PROFILE parameter of an EXEC CICS ALLOCATE command, or you have not installed the profile. Correct the error before resubmitting the transaction.

Module: DFHTPS

ABNJ

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHTPS

ABNK

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHTPS

ABP1

Explanation: An I/O error occurred when one of the named CICS modules was attempting to read the recovery file in the restart data set.

System Action: One of the following CICS modules traps this abend and abends CICS restart with a covering message:

- DFHDLRP (DL/I recovery program) traps for DFHDLBP
- DFHTCRP (terminal control recovery program) traps for DFHTCBP
- DFHRCRP (recovery control restart program) traps for DFHUSBP.

This abend code never appears at the head of a transaction dump, but may be found in the body of a dump after a CICS restart failure.

User Response: Using the associated messages, determine the cause of the I/O error on the restart data set. Restore the data set before restarting CICS.

Modules: DFHDLBP, DFHTCBP, DFHUSBP

ABP2

Explanation: A backout failure occurred during execution of one of the named CICS modules. For example, an I/O error occurred on the resource being backed out.

System Action: One of the following CICS modules traps this abend and abends CICS restart with a covering message.

- DFHDLRP (DL/I recovery program) traps for DFHDLBP
- DFHTSRP (temporary storage restart program) traps for DFHTSBP.

This abend code never appears at the head of a transaction dump, but can appear in the body of a dump after a CICS restart failure.

User Response: Using the associated messages, determine the cause of the backout failure. Restore the data set before restarting CICS.

Modules: DFHDLBP, DFHTSBP

ABP3

Explanation: During CICS emergency restart, one of the named CICS modules detected a CICS internal logic error.

System Action: One of the following CICS modules traps this abend and abends CICS restart with a covering message:

- DFHTCRP (terminal control recovery program) traps for DFHTCBP
- DFHTSRP (temporary storage restart program) traps for DFHTSBP.

This abend code never appears at the head of a transaction dump, but can appear in the body of a dump after a CICS restart failure.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHTCBP, DFHTSBP

ABP4

Explanation: During a CICS emergency restart, storage management was found to be unusable.

System Action: The CICS module, DFHDLRP (the DL/I restart program), traps this abend and abends CICS restart with a covering message. This abend code never appears at the head of a transaction dump, but may be found in the body of a dump after a CICS restart failure.

User Response: Using the associated messages, determine the cause of the I/O error on the restart data set. Restore the data set before restarting CICS.

Module: DFHDLBP

ABSA

Explanation: A message passed to DFHBSMSG is too long. This is a CICS internal error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTBS

ACAA

Explanation: This explanation applies to the two transaction abend codes, ACAA and ACAD. CICS cannot find a match for a function code in the language definition table because the parameterized resource definition contains an unrecognized resource type code. The abend code issued depends on the DFHCAP operation that was invoked before the error occurred:

Abend	DFHCAP operation
ACAA	ANALYZE
ACAD	DEFAULTS

The cause of the abend is either:

- The language definition table, DFHEITCU, in the library is invalid for the release of CICS you are running, **or**

ACAD

- A CICS logic error has occurred.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the DFHEITCU module is in the library and is valid for this release of CICS.

If a valid version of DFHEITCU is already in the library, a CICS logic error has occurred. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

ACAD

Explanation: See **ACAA**.

ACAI

Explanation: An internal error occurred when module DFHCAP was invoked. There was an invalid function code for a domain call to DFHCAP.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

#

ACAJ

Explanation: An internal error occurred when module DFHCAP was invoked while processing an EXEC CICS CREATE command.
The pre-allocated dynamic storage area was too small.

System Action: The transaction executing the EXEC CICS CREATE command is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

ACCx

Explanation: Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the *C/370 User's Guide*.

+

+ ACEx

+ **Explanation:** Abend codes with 'ACE' as the first three characters are issued by Language Environment and are described in *IBM Language Environment for MVS and VM Debugging Guide* and *Run-Time Messages*.

ACHA

Explanation: The remote server transaction, CEHS, is not at a compatible level to operate with the CICS/CMS system. This usually indicates that the service levels of CICS/CMS and the remote server are different.

Problem Determination: To diagnose a problem with the remote server, it is generally helpful to obtain a trace of the remote server's activity up to the point of failure.

A remote server trace is obtained by invoking the remote server with the TRACE option, (type CEHS TRACE). The remote server operates as normal but causes entries to be written to a trace log in temporary storage. Note that main storage, not auxiliary, is used for this queue hence large amounts of memory can be used up if this trace is left on for long.

The trace is found in a queue whose name is 'CEHSxxxx', where 'xxxx' is the four-character terminal identifier. The queue can be browsed in text form or in hexadecimal form using CEBR. To find the terminal identifier, invoke CEBR on the terminal that has run CEHS, without giving a queue name. The queue name will default to 'CEBRxxxx', where 'xxxx' is the terminal identifier.

Note: CEBR requires the queue name to be in UPPER CASE.

For a description of the remote server and its trace entries and abend codes, see the *CICS/VS Remote Server Diagnosis Manual* (LC33-0438).

System Action: CICS terminates the remote server transaction abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHB

Explanation: The remote server has received a data frame from CICS/CMS that is out of sequence. A frame may have been lost in transmission.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHC

Explanation: The remote server did not receive the expected acknowledgement type data frame from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHD

Explanation: The remote server did not receive the expected response type data frame from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHE

Explanation: The remote server received an unexpected data frame from CICS/CMS. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHF

Explanation: The remote server attempted to send one of a series of data frames to CICS/CMS when, at this time, only a single frame is allowed. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHG

Explanation: The remote server attempted to send data to CICS/CMS. However, it was not set to the correct mode to do so. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server

again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHH

Explanation: A TIOA has not been created from the data received by the remote server from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHI

Explanation: The remote server has received an unexpected return code from the Transformer 2 program.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHJ

Explanation: An error has occurred processing a request from CICS/CMS which had the 'No-Reply' option. The remote server cannot, therefore, return the error condition to CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the remote server and diagnose the problem by executing the same command from CECL under CICS/CMS without the NOCHECK option. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHK

Explanation: The transformer program has requested neither EIP nor DLI to execute the request received from CICS/CMS. This indicates a logic error because the request has to be destined for either EIP or DLI.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHL

ACHL

Explanation: CICS/CMS has supplied a buffer to the remote server which is not large enough to hold the reply that the remote server has to return.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHM

Explanation: The remote server has tried to receive a response from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHN

Explanation: The remote server has tried to receive a request from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHO

Explanation: The remote server has tried to receive a reply from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHP

Explanation: CICS/CMS has made a request to the remote server for which the reply would need more than the maximum storage allowed (32660 bytes). This indicates that a logic error has occurred.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHQ

Explanation: The remote server has a request from CICS/CMS for DL/I resources but DL/I does not exist on the CICS system.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Either install DL/I into the CICS system, or remove the DL/I call. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHR

Explanation: The CICS/CMS remote server transaction (CEHS) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System Action: CICS abnormally terminates the remote server with a dump.

User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHS

Explanation: The CICS/OS2 remote server transaction (CEHP) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System Action: CICS abnormally terminates the remote server with a dump.

User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACN1

Explanation: The table DFHCNV cannot be loaded. This is probably because a table has not been pregenerated. It could also occur if the table DFHCNV has been linked above 16MB but DFHCCNV has been linked below 16MB.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Check that the DFHCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHCNV and relink it with the correct AMODE if necessary.

Module: DFHCCNV

ACN2

Explanation: The table DFHCNV has been loaded but the first record is in the wrong format. This is probably due to an error during assembly or linkedit, but could also be the result of a storage overwrite.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: The table should be reassembled and linked. Check the assemble and linkedit output. Check for any messages issued from CICS indicating that storage overwrites have occurred.

Module: DFHCCNV

ACN3

Explanation: The program DFHUCNV cannot be linked. A user conversion program must be available (even if it only returns).

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Check that the DFHUCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHUCNV and relink it with the correct AMODE if necessary.

Module: DFHCCNV

+ ACN4

+ **Explanation:** An unrecognized format of a DFHCNV table has been encountered.

+ **System Action:** The transaction is abnormally terminated with a transaction dump.

+ **User Response:** Reassemble and relink edit the DFHCNV macro.

+ **Module:** DFHCCNV

+ ACN5

+ **Explanation:** An override for the default client code page has been received; however the value is not recognized.

+ **System Action:** The transaction is abnormally terminated with a transaction dump.

+ **User Response:** Ensure that the client system is using one of the client code pages supported by CICS/390.

+ **Module:** DFHCCNV

+ ACN6

+ **Explanation:** The conversion between client code page and server code page is not supported by CICS/390; for example conversion has been requested between Japanese code page 932 and Latin-1 code page 500.

+ **System Action:** The transaction is abnormally terminated with a transaction dump.

+ **User Response:** Ensure that the client codepage, both default and overrides are in the same group as the server codepage. For example client code page 852 from Latin-2 group, is only supported to server code page 870.

+ **Module:** DFHCCNV

+ ACN7

+ **Explanation:** An override for the default binary format has been received; however the value is not recognized.

+ **System Action:** The transaction is abnormally terminated with a transaction dump.

+ **User Response:** Data formats should be either S/370 or INTEL, anything else is unsupported by CICS/390.

+ **Module:** DFHCCNV

+ ACN8

+ **Explanation:** CICS data conversion is processing a FIELD defined as containing GRAPHIC characters (which are only DBCS); that is

+ DFHCNV TYPE=FIELD,DATATYP=GRAPHIC,...

+ However the client code page (defined in the CLINTCP operand), and the server code page (defined in the SRVERCP operand) imply that the FIELD contains only SBCS characters, for example

+ DFHCNV TYPE=ENTRY,CLINTCP=437,SRVERCP=037

+ **System Action:** The transaction is abnormally terminated with a transaction dump.

+ **User Response:** Correct the FIELD definition.

+ **Module:** DFHCCNV

ACP1

Explanation: DFHIC TYPE=GET response code is other than the normal response during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in the low order byte of register 0.

Module: DFHCPY

ACP2

Explanation: DFHIC TYPE=INITIATE response code is other than the normal response during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in low-order byte of register 0.

Module: DFHCPY

ACRA

Explanation: The relay program has been invoked without a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

| **User Response:** Ensure that DFHAPRT has not been specified as the initial program of a task that is not terminal-related.

| **Module:** DFHAPRT

ACRB

ACRB

Explanation: The relay program has been invoked by a transaction that is not defined as remote.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the relay program is defined correctly. Determine why DFHAPRT was invoked if the transaction is not a remote transaction.

Module: DFHAPRT

ACRC

Explanation: The relay program received an invalid response from DFHZCX.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRD

Explanation: The system entry for the system to which routing is to be performed could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that the system was correctly specified. Check that the system entry is defined in the TCT.

Module: DFHAPRT

ACRE

Explanation: A transaction invoked from an APPC terminal and specified in the installed transaction definition as remote has abnormally terminated because the link is out of service.

System Action: The task is abnormally terminated.

User Response: Wait until the link is available. The CICS supplied transaction CEMT INQUIRE CONNECTION can be used to check the states of the links.

Module: DFHAPRT

ACRF

Explanation: The relay program received a nonzero return code from the dynamic router following its first invocation.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine why the dynamic routing program has failed by checking the contents of the passed COMMAREA DFHDYE for correctness. The COMMAREA address can be found from field TCACOMM in the system TCA for the task. The COMMAREA fields are mapped via the DFHDYDPS DSECT.

Module: DFHAPRT

ACRG

Explanation: An ATI initiated remote transaction defined with DYNAMIC(YES) has failed because there is no matching entry in the AID chain.

Each AID in the chain has been checked and none has been found where

- The AID terminal ID matches that of the TCTTE
- The installed transaction definition and the AID transaction IDs match
- The AID is for a remote transaction
- The AID has not been canceled.

System Action: The task is abnormally terminated with a CICS system dump.

User Response: The dump can be used to help ascertain the mismatch. Check the transactions listed in the TCTTE and PCT fields of the system dump against the AID chain.

Module: DFHAPRT

ACRH

Explanation: The profile for the session that will carry intersystem flows during transaction routing could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that TRPROF is correctly specified.

Module: DFHAPRT

ACRI

Explanation: An error occurred when attempting to link to the dynamic transaction routing program.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

A message in the range DFHRT4417 to DFHRT4420 is written to the CSMT log.

User Response: Refer to the message sent to the CSMT log. It identifies the cause of the link failure and provides further user guidance.

Module: DFHAPRT

ACRJ

Explanation: An abend has occurred in the dynamic transaction routing program after a link has been executed from DFHAPRT.

System Action: The transaction is abnormally terminated with a CICS transaction dump. Message DFHRT4416 is written to the CSMT log.

User Response: Refer to message DFHRT4416. It identifies the abend in the dynamic transaction routing program and provides further user guidance.

Module: DFHAPRT

ACRK

Explanation: The relay program has been invoked with no address for the principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRL

Explanation: The task does not own the facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRM

Explanation: In response to a request from the dynamic routing program, DFHAPRT has attempted an INITIAL_LINK to a program that is not the initial program of the transaction for which the dynamic router has been invoked. The attempt has failed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the following possibilities:

- The autoinstall user-replaceable module (URM) was called but is unable to do the autoinstall.
- The autoinstall URM was called but data supplied by the autoinstall URM is invalid.
- The autoinstall URM was called, but there is no processing program table (PPT) entry for the autoinstall model.
- There is a problem with the autoinstall URM.
- There is no PPT entry for the program, and either autoinstall is not active or the autoinstall URM indicated that the program should not be autoinstalled.
- The program is disabled.
- The program cannot be loaded.
- The program is defined as remote.

Module: DFHAPRT

ACRO

Explanation: An attempt has been made to invoke the CRSQ transaction from a terminal. CRSQ is an internal CICS transaction and cannot be invoked in this way.

System Action: The task is abnormally terminated.

User Response: None. You can use CEMT and EXEC CICS commands to cancel AIDs.

Module: DFHCRQ

ACSA

Explanation: The remote scheduler task (CRSR) does not own an intersystem link TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHCRS is not specified as the initial program of a task other than CRSR. Check that the terminal operator did not enter CRSR.

Module: DFHCRS

ACSB

Explanation: An unexpected reply was received from a remote system in response to a request to schedule a task on that system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSC

Explanation: An unexpected request was received from a remote system when expecting a request to schedule a task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSD

Explanation: An internal logic error has been detected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSE

Explanation: Module DFHCRS has been attached in an unsupported manner.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: Module DFHCRS should be executed only by transaction CRSR, which executes with an MRO session, an LU6.1 session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by a CRSR transaction in the connected system, and not by a user transaction.

If the transaction is being attached by a CRSR transaction, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSF

ACSF

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detects the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHCRS

ACSG

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Please see the related error message produced by the domain that detected the original error.

Module: DFHCRS

ACSH

Explanation: The processing of APPC mapped data requires the generation of an LU6.2 attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system can support a sync level of 2
- The correct sync level has been requested.

Module: DFHCRS

ACSI

Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHCRS

ACSL

Explanation: CICS has been unable to attach a transaction to perform a mass flag (CFTS) or mass remote delete (CDTS) request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSM

Explanation: Transaction CFTS has abended. The mass flagging of terminals for deletion has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSN

Explanation: Transaction CFTS has stalled. The mass flagging of terminals for deletion has exceeded the expected time and is therefore assumed to have failed.

System Action: The task is abnormally terminated with a CICS transaction dump. A flag is set in the remote work element (RWE) to indicate that the mainline transaction has assumed that CFTS has failed.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACTA

Explanation: The relay program running in the terminal-owning region has received an unexpected request from the application owning region. The request received is in violation of CICS transaction routing protocols.

The request will be in the DFHLUCDS DSECT in DFHZTSP's LIFO – field LUCOPN0

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

ACTB

Explanation: The relay program running in the terminal-owning region issued a terminal control WRITE, LAST request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTC

Explanation: The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTD

Explanation: The relay program running in the terminal-owning region issued a terminal control WRITE, WAIT, READ request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTE

Explanation: The relay program running in the terminal-owning region attempted to free its session with the APPC terminal, and received a nonzero return code from terminal control.

The return code will be in the DFHLUCDS DSECT in DFHZTSP's LIFO field, LUCRCODE.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZTSP

ACTF

Explanation: The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This return code can be found in the TCA field, TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

Module: DFHZTSP

ACTG

Explanation: The relay program running in the terminal-owning region issued a request to attach a transaction in the application-owning region, but the response received from that region was invalid.

The return code in the TCA (field TCATPAPR) will be nonzero, and either there will be no TIOA (field TCTTEDA in the TCTTE is zero) or there will be no FMH7 at the start of the TIOA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

Module: DFHZTSP

ACTH

Explanation: A privileged allocate was issued against a remote LU 6.2 system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZISP

ACTI

Explanation: The relay transaction has an ISC or MRO session as its principal facility. However the TCTTE for that session is not owned by the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRT

ACTJ

Explanation: The principal facility of the relay transaction is not a TCTTE.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Task CXRT should only be started in a terminal-owning region by an ALLOCATE request issued in an application-owning region against a remote APPC device. The principal facility of the task should be an ISC or MRO link. Check that your CICS system is defined in such a way that this will always be the case. Also ensure that program DFHCRT is started only by task CXRT.

Module: DFHCRT

ACTK

ACTK

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was either purged by the master terminal operator or as a result of a deadlock timeout.

Module: DFHZISP

ACTL

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHZISP

ACUA

Explanation: DFHZXRL was called with a request which is not supported for transaction routing.

The request is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUB

Explanation: The parameter list passed to DFHZXRL for an ALLOCATE request does not contain the TCTSE address of a remote APPC terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUC

Explanation: The TCTSE address passed to DFHZXRL is not that of a remote LU 6.2 terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUD

Explanation: The profile DFHCICSR could not be located as an installed profile definition.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Check that the IBM-supplied profile DFHCICSR is correctly defined and installed to CICS.

Module: DFHZXRL

ACUE

Explanation: A request to DFHZTSP to build a surrogate TCTTE was not satisfied.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUF

Explanation: A session between the application-owning region and the terminal-owning region was not allocated because the request was incorrectly specified.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUG

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the profile could not be located as an installed transaction definition, although an earlier attempt to locate it was successful.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUH

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the requested session is already owned by the TCA.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUI

Explanation: An ISC session between the application-owning region and the terminal-owning region was not allocated because the MODENAME named in the profile could not be found. The profile DFHCICSR as supplied by IBM does not specify a MODENAME. Therefore, this error will occur when a MODENAME has been added to the IBM-supplied profile, but that MODENAME is not defined in the SESSIONS definition for the terminal-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Ensure that the MODENAME specified in profile DFHCICSR was also specified when defining the SESSIONS to the terminal-owning region.

Module: DFHZXRL

ACUJ

Explanation: A session between the application-owning region and the terminal-owning region was not allocated because the maximum session count for the mode group specified in profile DFHCICSR is zero.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the CEMT transaction to set sessions in the required mode group available for use.

Module: DFHZXRL

ACUK

Explanation: No TCT entry was found for the terminal-owning region specified in the TCTSE for the remote terminal.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Ensure that the terminal-owning region defined in the remote system entry is also defined with a system entry in the TCT.

Module: DFHZXRL

ACUL

Note: The description of this abend also applies to ACUX and ACUZ.

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT, READ request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUM

Explanation: A request to DFHZTSP to free a surrogate TCTTE was not satisfied.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUN

Explanation: A terminal control FREE request has failed. The transaction routing program in the application-owning region attempted to free the session with the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUO

Note: The description of this abend also applies to ACUQ, ACUS and ACU1.

Explanation: A terminal control READ request has failed. The transaction routing program in the application-owning region attempted to receive data from the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

ACUP

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUP

Note: The description of this abend also applies to ACUR.

Explanation: The transaction routing program in the application-owning region did not receive a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUQ

Explanation: Refer to the description of abend ACUO.

ACUR

Explanation: Refer to the description of abend ACUP.

ACUS

Explanation: Refer to the description of abend ACUO.

ACUT

Explanation: The transaction routing program in the application-owning region did not receive either a syncpoint or a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUV

Explanation: The transaction routing program in the application-owning region issued a terminal control ISSUE ABEND request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUW

Explanation: The transaction routing program in the application-owning region issued a terminal control ISSUE ERROR request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUX

Explanation: Refer to the description of abend ACUL.

ACUY

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUZ

Explanation: Refer to the description of abend ACUL.

ACU0

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, LAST, WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACU1

Explanation: Refer to the description of abend ACUO.

ACU2

Explanation: The transaction routing program in the application-owning region received a response from the terminal-owning region which violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU3

Explanation: The transaction routing program in the application-owning region attempted to set the conversation state machine to a state which violates CICS transaction routing protocols.

The register containing the state can be determined from the assembler listing.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU4

Explanation: The transaction routing program in the application-owning region issued a SET request to the conversation state machine and received a nonzero return code. This violates CICS transaction routing protocols.

The trace entry on return from DFHZUSR will show the request type and current state.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU5

Explanation: An program running in an application-owning region has issued an ALLOCATE against an APPC device attached to a terminal owning region, but the connection between the two systems is not installed.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Install the connection between the two regions.

Module: DFHZXRL

ACVA

Explanation: The transaction routing program in the terminal-owning region issued a terminal control WRITE, WAIT, READ request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVB

Explanation: The transaction routing program in the terminal-owning region attempted to issue an ISSUE SIGNAL request on an MRO link to the application-owning region. This violates CICS transaction routing protocols.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRT

ACVC

ACVC

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE SIGNAL request on an LU 6.2 link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVD

Explanation: The transaction routing program in the terminal-owning region issued a READ,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVE

Explanation: The transaction routing program in the terminal-owning region issued a WRITE request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- the program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- the session has failed.

Module: DFHZXRT

ACVF

Explanation: The transaction routing program in the terminal-owning region issued a WRITE,LAST,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVG

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZXRT

ACVH

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVK

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVL

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVM

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVN

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVO

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE PREPARE request and received either a nonzero return code or a response which violates CICS transaction routing protocols.

The return code is located in TCASPRC and the response is located in TCASPSN1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine whether the problem is caused by the return code or the response. If terminal control was unable to process the request, the abend may occur when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Otherwise the distributed application programs may have violated APPC conversation protocols.

Module: DFHZXRT

ACVP

Explanation: The transaction routing program in the terminal-owning region did not receive an FMH43 from the application-owning region. This violates CICS transaction routing protocols.

The trace from the application-owning region will show its response to the terminal-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRT

ACVQ

Explanation: The transaction routing program in the terminal-owning region issued a request to the APPC terminal, and received a nonzero return code from terminal control.

Both the request and the return code are located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed or be in the wrong state, for example, as the result of both the terminal and application issuing SYNCPOINT ROLLBACK at the same time.

Module: DFHZXRT

ACVR

Explanation: The transaction routing program in the terminal-owning region issued a SEND, LAST, WAIT request to the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZXRT

ACWA

Explanation: CICS CWTO transaction has failed because the task does not own a terminal (TCTTE) as its principal facility. This has probably happened because CWTO has been started as an EXEC CICS START transid without a terminal ID.

System Action: The transaction is abnormally terminated without a transaction dump.

User Response: Retry with a terminal ID value or enter CWTO from a terminal.

Module: DFHCWTO

ACXA

Explanation: The catch-up transaction, CXCU, has failed. CXCU runs either in response to a transaction request from an end-user, or is run automatically by an active CICS system in response to the appearance of an alternative CICS system. Its purpose is to inform the alternate system of the active system's state regarding terminals and DBCTL connection.

System Action: The catch-up transaction, CXCU, is abnormally terminated with a CICS transaction dump. Both active and alternate CICS systems continue, but the alternate CICS system is less effective in the event of a takeover. For example, terminal back-up sessions may not be established. This Abend is accompanied by DFHDX8313.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists, diagnose the problem from the dump.

Module: DFHCXCU

ADBA

Explanation: A failure occurred while CICS was attempting to read the dynamic log.

System Action: The backout process is abnormally terminated. Because it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBB

Explanation: The deferred work element (DWE) chain from the TCA has become corrupted during DWE processing.

System Action: The backout process is abnormally terminated. Because it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBC

Explanation: A DL/I log record is too large for the DL/I interface.

System Action: The backout process is abnormally terminated. Since it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBD

Explanation: DFHDBP is attempting to back out a DL/I record, but cannot find the interface scheduling block (ISB) for the task. Either this is an internal logic error, or an overwrite.

System Action: The backout process is abnormally terminated and a CICS transaction dump provided. Due to the inherent integrity exposure, CICS is then terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBE

Explanation: An invalid filename (DBRFID) was found on the dynamic log.

System Action: The backout process is abnormally terminated. Since it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBH

Explanation: An invalid service module identifier was found on the dynamic log (DBRSVMID).

System Action: The backout process is abnormally terminated. Since it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBK

Explanation: An invalid function id was found (DBRMODFN) while CICS was attempting file backout from the dynamic log.

System Action: The backout process is abnormally terminated. Since it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADBL

Explanation: An invalid error code was found (DBRERRCD) while CICS was attempting to retry file backout.

System Action: The backout process is abnormally terminated. Since it is possible that data integrity might not be maintained, CICS is abnormally terminated.

User Response: CICS should be emergency restarted to ensure that data integrity is maintained. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDBP

ADCA

Explanation: This abend is issued if DBCTL returns a nonzero response code when a DL/I request has been issued from an application program.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Look up accompanying message DFHDB8109 that appears on the CDBC transient data destination.

Module: DFHDLIDP

ADCB

Explanation: This abend occurs when DBCTL has notified CICS that a task has issued a DL/I request, but it did not have a PSB scheduled. If your application does have a PSB scheduled then a possible cause for this abend is that the DBCTL STOP THREAD command may have been used to terminate the DBCTL thread that corresponds to this task.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check if the DBCTL operator has issued a STOP THREAD command for the task that has abnormally terminated. Look up DBCTL response code 28 in the DBCTL return code section of the *IMS Messages and Codes* manual.

Module: DFHDLIDP

ADCC

Explanation: This abend occurs when DBCTL has notified CICS that a task has issued program specification block (PSB) request, but it has a PSB already scheduled. CICS prevents a task from issuing a PSB schedule request to DBCTL when it has already issued a PSB schedule request by returning a PSBSCH response in UIBDLTR. However, in this case it is DBCTL that has rejected the subsequent PSB schedule request. A possible cause for this abend is a storage over-write.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check for any messages issued from your CICS system indicating that storage over-writes have taken place. Look up DBCTL response code 32 in the DBCTL return code section of the *IMS Messages and Codes* manual.

Module: DFHDLIDP

ADCD

Explanation: This abend is issued when the system has detected a deadlock in DBCTL and this transaction has been selected for abnormal termination.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: If ADCD abends occur infrequently in your system then no action is required although you may like to consider setting your system up in such a way that, after an ADCD abend is issued, the transaction is automatically restarted. See the *CICS/ESA Recovery and Restart Guide* for further information.

If ADCD abends are occurring frequently in your system then you may need to review the design of your applications. Some general techniques for deadlock avoidance are described in the *CICS/ESA Recovery and Restart Guide*.

Module: DFHDLIDP

ADCE

Explanation: This abend is issued when the module DFHDBAT returns a nonzero return code in reply to a DL/I request issued from an application program to DBCTL. DFHDBAT is a task related user exit and forms part of the CICS-DBCTL interface. This abend is accompanied by message DFHDB8110.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Look up the accompanying message DFHDB8110 that appears on the CDBC transient data destination.

Module: DFHDLIDP

ADCI

Explanation: This abend is issued when IMS returns a user abend 3303 response for a DL/I request issued from an application program.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check the description in the *IMS Messages and Codes* manual for the meaning of IMS user abend 3303.

Module: DFHDLIDP

ADCJ

Explanation: This abend is issued when an application has been using DBCTL, and while the application was still scheduled to DBCTL, the CICS-DBCTL interface was terminated.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient is, then please check with your system programmer. Check for messages issued from the DBCTL system.

ADCP

Module: DFHDLIDP

ADCP

Explanation: When checking the DBCTL program specification block (PSB), the external security manager checked the usage of the PSB, and found that:

- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term "user" in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does *not* check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the *CICS/ESA Intercommunication Guide*.

Notes.

By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

System Action: CICS abnormally terminates the task attempting to schedule the PSB. CICS processing continues.

User Response: Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

Module: DFHDLIDP

ADCQ

Explanation: This abend occurs when an application has issued an EXEC DLI SCHED request for a PSB that contains no DBPCBs, and the SYSSERVE keyword was not specified. This abend also occurs when an application has issued a PCB request for a PSB that contains no DBPCBs, and the IOPCB option was not specified.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the application program has scheduled the appropriate PSB.

Module: DFHDLIDP

ADCR

Explanation: This abend occurs when an application has issued a DL/I request other than a schedule request, and the DBCTL DRA return code of 40 indicates that there was no active communication with DBCTL.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient data destination is, check with your system programmer. Check for messages issued from the DBCTL system.

Module: DFHDLIDP

ADCS

Explanation: CICS issued a single-phase commit request to DBCTL and an unexpected response was returned from DBCTL.

System Action: CICS issues message DFHDB8119 to transient data queue CDBC, then terminates the task abnormally with a CICS transaction dump.

User Response: Message DFHDB8119 shows the unexpected response from DBCTL, along with the recovery token of the LUW involved. The explanation of message DFHDB8119 indicates how the outcome of the LUW can be determined.

Module: DFHDBAT

ADCT

Explanation: A user has attempted to invoke the CICS-DBCTL control transaction from a terminal.

System Action: CICS rejects the request.

User Response: Do not try to invoke CICS internal transactions directly.

Module: DFHDBCT

#

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ADCV

Explanation: The connection to DBCTL was terminated and then
re-established. The failing task had issued a schedule request
against an earlier run of DBCTL and is therefore no longer
scheduled.

System Action: CICS abnormally terminates the transaction with
a transaction dump. CICS processing continues.

User Response: No action is required, although you may like to
consider setting your system up in such a way that, after an abend
ADCV is issued, the transaction is automatically restarted.

Module: DFHDLIDP

ADDA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the storage manager domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBME, DFHDLI, DFHDLIDP

ADDB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the catalog (CC) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBCON, DFHDBDSC

ADDC

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBCON, DFHDBDI

ADDI

Explanation: CICS has been notified of a DBCTL failure. However, it has been unable to complete the search for a DBCTL alternate. This is possibly due to an unexpected return code from an IEFSSREQ request.

System Action: A CICS transaction dump is produced. CICS continues as if no XRF DBCTL alternate has been found. This abend is accompanied by message DFHDX8323.

User Response: Refer to message DFHDX8323 for further information. It may be necessary to restart DBCTL manually.

Module: DFHDBCT

ADDJ

Explanation: CICS has failed to connect to DBCTL because program DFHDBAT could not be ENABLED.

System Action: A CICS transaction dump is produced. The state of the CICS/DBCTL interface remains not connected.

User Response: Refer to the transaction dump to determine why the ENABLE failed.

Module: DFHDBCON

ADEF

Explanation: A severe error has been encountered when executing transaction CLS3.

System Action: CLS3 is abnormally terminated with a transaction dump. CICS issues message DFHZC4948.

User Response: See message DFHZC4948 for further guidance.

Module: DFHCLS3

ADIR

Explanation: The abend code is issued for either of the following reasons:

- A DFHDI or DFHBMS request was issued when the DFHDIP program was generated as a dummy.
- A DFHDI TYPE=RECEIVE or TYPE=NOTE was attempted but the transaction identification did not specify either INBFMH=DIP or INBFMH=ALL.

System Action: A CICS transaction dump is provided to assist in problem determination.

User Response: Either generate a DFHDIP program into the system or specify INBFMH correctly on the profile definition.

Module: DFHDIP

ADLA

Explanation: A DL/I abend (or pseudoabend) occurred during transaction processing under CICS/ESA.

System Action: CICS terminates the transaction abnormally, and sends message DFHDL3901 to CSMT. This message contains the IMS pseudo abend code explaining the reason for the abend.

IMS address space information is posted to the CICS journal.

User Response: Use the IMS utility program to print the necessary transaction data for debugging. See the *IMS Messages and Codes* manual for an explanation of the IMS pseudo abend code. Use this information together with the information on the CICS journal to correct the problem.

Module: DFHDLR

ADLD

Explanation: A program isolation deadlock has been detected by the system and a transaction has been selected for abnormal termination.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If ADLD abends occur infrequently in your system, no action is required although you may like to consider setting your system up in such a way that, after an ADLD abend is issued, the transaction is automatically restarted. See the *CICS/ESA Recovery and Restart Guide* for further information.

If ADLD abends occur frequently, you may need to review the design of your applications. Some general techniques for deadlock avoidance are described in the *CICS/ESA Recovery and Restart Guide*.

Module: DFHDLR

ADLE

Explanation: A DL/I request was made for a remote database, but the system named in the remote PDIR entry was unknown to CICS, that is, not specified in a DFHTCT TYPE=SYSTEM macro or CEDA DEFINE CONNECTION command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either correct the SYSIDNT parameter in the relevant DFHDLPSB entry, or define the remote system to CICS with a DFHTCT TYPE=SYSTEM macro or a CEDA DEFINE CONNECTION command.

Module: DFHDLIRP

ADLF

ADLF

Explanation: A DL/I request was made for a remote database, but the link to the system on which the database resides was down.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer. Once the link to the remote system has been reestablished, resubmit the transaction.

Module: DFHDLIRP

ADLG

Explanation: A DL/I request was made for a remote database, but there were errors in the DL/I argument list that was provided by the user.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that any errors in the DL/I argument are corrected.

Module: DFHDLIRP

ADLH

Explanation: The CICS DL/I restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with abend code ADLH.

System Action: CICS writes a transaction dump for the DL/I restart task.

CICS sends two messages to the console, one to identify the error detected by the DL/I restart task, and one, DFH3928, to say that the task has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without DL/I.

If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHDLRPP

ADLK

Explanation: An IMS module has attempted to invoke a subroutine to destroy a storage pool. These subroutines do not exist in a CICS/ESA-IMS environment.

Problem Determination: Register 5 at the time of abend contains the address of the IMS save area on entry to the CICS destroy routine.

Analysis: The relevant IMS module has assumed that the address of the storage create routine is contained in field SCDSMMCP (in the IMS SCD control block), and that the address of the storage destroy routine is contained in field SCDSMMDP. In fact, during CICS system initialization, IMS sets these fields with the addresses of the ICREAT and IDESTROY routines that are within DFHDLR. The IDESTROY routine issues the ADLK abend.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Find register 5 at the time of abend. This register contains the address of the IMS save area on entry to IDESTROY; IDESTROY will have saved IMS registers in this save area. Find register 14 in IMS save area. Register 14 contains the address from which the create/destroy routine was illegally invoked. Locate the IMS code that has invoked the destroy routine, and determine the reason for the invocation.

Module: DFHDLR

ADLL

Explanation: An error has occurred in writing out information to the system log to record DL/I activity in a transaction.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the CICS dump to ascertain why the log record could not be written correctly.

Module: DFHDLILP

ADLM

Explanation: CICS initialization has failed due to a global catalog read error. Message DFHDL3933 is also produced.

System Action: CICS initialization fails and a dump is taken.

User Response: Use the dump to investigate the cause of the catalog error.

Module: DFHDLXA

ADLP

Explanation: When checking the DLI program specification block (PSB), the external security manager checked the usage of the PSB, and found that:

- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term "user" in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does *not* check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the *CICS/ESA Intercommunication Guide*.

Note: By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security

manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

System Action: The task attempting to schedule the PSB abnormally terminates.

User Response: Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

Modules: DFHDLILP, DFHDLIRP

ADLQ

Explanation: This abend occurs when:

- An application has issued an EXEC DLI SCHED request for a PSB that contains no DBPCBs, and the SYSSERV keyword was not specified.
- An application has issued a PCB request for a PSB that contains no DBPCBs, and the IOPCB option was not specified.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the application program has scheduled the appropriate PSB.

Module: DFHDLILP

ADLR

Explanation: The master terminal operator or a user application program has purged the transaction.

System Action: Because the task is in a DL/I IWAIT when the purge task is issued, CICS has to wait before abnormally terminating the task. The task is terminated when it can be done without jeopardizing system integrity.

A CICS transaction dump is produced.

User Response: None.

Module: DFHDLILP

ADLS

Explanation: The DL/I simulated modules are unable to locate the interface scheduling block (ISB) for the transaction. This abend is caused by a system error, as opposed to an application error (unless an application has overwritten vital storage).

Problem Determination: When the ISB was allocated for this task, field TCADLIPA (offset X'55', length 3, in the system part of the task control area) was set with the address of the ISB.

Analysis: IMS has invoked the IGETBUF routine (in DFHDLR) to acquire storage for a PSB or DMB. The storage is not available (the value of the PSBPL or DMBPL parameter in DFHSIT controls the amount of storage available), so the requesting task has to wait. During the wait logic (at label DLGBISBL), an attempt is made to find the ISB for the transaction, so that it may be flagged as 'waiting'. The ISB is found by scanning all the ISBs in the ISB pool, until one is found whose task ID is the same as that of the abending task. The task ID field in the ISB (field ISBKCTTA, offset X'18', length 3) is set during PSB scheduling, when the ISB is acquired (subroutine DLGETISB in DFHDLILP). If an ADLS abend occurs, the task's ISB cannot be found.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check field ISBKCTTA. This is the task number of the owning task. If it is not a packed decimal number (3 bytes), it has been overwritten. If it is a packed decimal number, it is that of another task (otherwise the abend would not have occurred). Check the activity of that other task, using the CICS trace table.

If TCADLIPA is zeros, or is not addressing an ISB, it has probably been overwritten. To determine whether an address is that of a valid ISB:

- Locate the block addressed by CSADLI (in the CSA optional features list). This block is DFHDLP (described by invoking DFHDLP DLP=DSECT).
- The DFHISBPL field in DFHDLP contains the address of the ISB pool.
- There are N contiguous ISBs in the pool, each of length L where N is the contents of field DLPTHRED and L is the value of ISBLEN (which is defined in the ISB DSECT).

Module: DFHDLR

ADLX

Explanation: DL/I has requested the simulated routines to get or free a buffer that is not a program specification block (PSB) buffer or a data management block (DMB) buffer.

Problem Determination: Find register 5 at the time of abend. This register contains the address of the IMS save area on entry to IGETBUF or IFREEBUF; the routine will have saved IMS registers in this save area.

Analysis: Find register 14 in the IMS save area (as located above). Register 14 contains the address from which the IGETBUF or IFREEBUF routine was illegally invoked.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Locate the IMS code that has invoked the IGETBUF or IFREEBUF routine, and determine why the routine was invoked with an illegal buffer type in register 2.

Module: DFHDLR

ADL1

Explanation: On return from a WAIT-MVS request, an INVALID response was returned. This response is returned either when MVS is already waiting, or when an invalid ECB address has been supplied.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Analyze the reason why an INVALID response was returned. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHDLR

ADL2

Explanation: While waiting on an IMS request, the transaction was cancelled.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHDLR

ADMA

ADMA

Explanation: The alternate CICS task responsible for tracking the DBCTL connection status of the active CICS has received an error from the CICS Availability Manager (CAVM) message input service.

System Action: The tracking transaction terminates with a CICS transaction dump. No further action is taken in response to DBCTL status changes. The global exits, XXDFB and XXDTO, are never invoked and no attempt at a DBCTL restart is made in the event of a takeover. This abend is accompanied by DFHDX8331.

User Response: Check for any other messages relating to the CAVM dataset problems. In the event of a takeover, it may be necessary to restart DBCTL manually.

Module: DFHDBCR

ADMB

Explanation: The CICS/XRF DBCTL tracking task has received an unrecognizable message from the CICS/XRF message manager. This abend is preceded by message DFHDX8333.

System Action: The CICS/XRF DBCTL tracking task abends.

User Response: Refer to the instructions for message DFHDX8333.

Module: DFHDBCR.

ADPL

Explanation: A server program has issued a command which is restricted in the distributed program link (DPL) environment. Certain API and CPI-RR requests, and the DL/I terminate request are not allowed in the DPL environment. See the *CICS/ESA Application Programming Guide* for a list of these restricted commands.

A server program is a program which has been remotely linked, or a program defined to run with the DPL subset.

System Action: CICS abends the transaction with a transaction dump.

User Response: Remove the restricted commands from the server program, or run the server program locally.

Module: DFHEIP, DFHCPIR, DFHDLI

ADPM

Explanation: An application program has issued a CALL AIBTDLI request for a function type that is not supported by CICS. The CALL AIBTDLI interface can only be used to issue operator commands to DBCTL in CICS with function types of ICMD, RCMD and GMSG. For all other function types, the EXEC DLI, CALL ASMTDLI, CALL CBLTDLI or CALL PLITDLI interfaces must be used.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program to use the correct application programming interface.

Module: DFHDLI

ADXA

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System Action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8319.

User Response: Diagnose the error from the CICS transaction dump. Refer to DFHDX8319 for further information.

Module: DFHDXCU

ADXB

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System Action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8318.

User Response: Use the dump to help diagnose the problem. Refer to DFHDX8318 for further information. Check for any other messages relating to CICS availability manager (CAVM) data set problems.

Module: DFHDXCU

AEC1

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a terminal that is not supported.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal that is supported by the Command Level Interpreter, Enhanced Master Terminal, or RDO transaction.

Modules: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC2

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a display terminal of size less than 24 X 80.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a display terminal that is supported by the Command Level Interpreter or Enhanced Master Terminal or RDO transaction.

Modules: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC3

Explanation: An unsuccessful attempt has been made to call COBOL II to initialize a thread (for the first COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated.

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+ The program is disabled.

User Response: Check your library setup to ensure that all of the COBOL interface modules are present.

| **Module:** DFHAPLI

AEC4

Explanation: An unsuccessful attempt has been made to call COBOL II to initialize a run-unit (for any COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Check your library setup to ensure that all of the COBOL interface modules are present.

| **Module:** DFHAPLI

AEC5

Explanation: An unexpected error has been encountered by C/370 during the THREAD INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

| **Module:** DFHAPLI

AEC6

Explanation: An unexpected error has been encountered by C/370 during the RUNUNIT INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

| **Module:** DFHAPLI

AEC7

Explanation: Language Environment/370 has encountered an unexpected error during the THREAD INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program. The return code received from Language Environment/370 is placed into the field EIBRESP2.

System Action: Message DFHAP1200 is issued and the transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

| **Module:** DFHAPLI

AEC8

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

| **Module:** DFHAPLI

AEC9

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT BEGIN INVOCATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated.

+

+ The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

| **Module:** DFHAPLI

AEDA

Explanation: The CEDF transaction has been started with an invalid start code. This could be the result of attempting to start the execution diagnostic facility (EDF) with EXEC CICS START(CEDF).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the start has failed.

| **Module:** DFHEDFX

AEDB

Explanation: DFHEDFP has been passed an invalid EDFXA. This is an internal CICS error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Module:** DFHEDFX

AEDC

Explanation: The program EDF has terminated because a GETMAIN request to the storage manager failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the request has failed.

Module: DFHEDFX

AEDD

Explanation: CICS has attempted to attach the EDF task to display the user request but the attach has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the attach has failed.

Module: DFHEDFX

AEDE

Explanation: CICS has suspended the user task to allow the EDF task to complete but an error has occurred while performing the suspend.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the suspend has failed.

Module: DFHEDFX

AEDH

Explanation: An error occurred when CICS called the Program Manager in order to discover details of the user program that has invoked EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the call has failed.

Module: DFHEDFX

AED1

Explanation: This abend is produced as a result of either:

- An attempt to use the execution diagnostic facility (EDF) on an unsupported terminal, or
- Using the temporary storage browse transaction (CEBR) on an unsupported device.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal or device that is properly supported.

Modules: DFHEDFP, DFHEDFBR

AED2

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. This occurs because execution of EDF is about to be abnormally terminated. A probable reason for EDF being terminated is that a line, control unit, or a terminal has been put out of service.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal that is supported as a display terminal by EDF. A CICS transaction dump of the task terminated with this abend code is available for review.

Module: DFHEDFX

AED3

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. The termination occurs because execution of EDF is about to be abnormally terminated.

One possible cause of an abend in EDF is incorrect data being sent to the terminal by the user task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: A CICS transaction dump of the terminated task and also a similar dump for EDF, when its termination was abnormally terminated, are available for review.

Module: DFHEDFX

AED4

Explanation: An internal logic error has been detected in EDF module DFHEDFP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This indicates a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFP

AED5

Explanation: An internal logic error was detected in EDF. Insufficient dynamic storage was pre-allocated.

System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.

User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFD

AED6

Explanation: An internal logic error was detected in EDF.

System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.

User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFU

AED7

Explanation: The installed definition of the transaction CEDF has a TWA size which is too small.

System Action: CICS abnormally terminates the transaction with a CICS transaction dump.

User Response: If you have an updated copy of the CEDF transaction installed, ensure that you have a TWA size at least as big as the one defined by the IBM supplied definition. If you do not have an updated CEDF you may need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFP

AED8

Explanation: A terminal control error has occurred in DFHEDFX.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFX

AED9

Explanation: A temporary storage error has occurred in EDF. This could be caused by an input/output error on temporary storage or because temporary storage data is full.

System Action: EDF is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason for the temporary storage request failure. Ensure that the definition of the temporary storage data set is correct.

See the *CICS/ESA Problem Determination Guide* for further guidance in dealing with temporary storage problems.

Module: DFHEDFD

AEIA

Note: The description of this abend also applies to AEID to AEI9, AEXC, AEXF, AEXI to AEXL, AEXV to AEXX, AEX0 to AEX3, AEX5, AEX6, AEX7, AEYA to AEYC, AEYE to AEY3, and AEY7.

Explanation: The EXEC interface program issues an abend when an exceptional condition has occurred but the command does not have the RESP option (or NOHANDLE option), or the application program has not executed an EXEC CICS HANDLE CONDITION command for that condition. This will cause DFHEIP to take the system action for the condition in question. In most cases, the system action will be to abend the transaction.

Because of their similar characteristics, the above-named abend codes for the EXEC interface program are described as a group. The codes and their corresponding exceptional conditions are as follows:

Code	Condition
AEIA	ERROR
AEID	EOF
AEIE	EODS
AEIG	INBFMH
AEIH	ENDINPT

Code	Condition
AEII	NONVAL
AEIJ	NOSTART
AEIK	TERMIDERR
AEIL	FILENOTFOUND
AEIM	NOTFND
AEIN	DUPREC
AEIO	DUPKEY
AEIP	INVREQ
AEIQ	IOERR
AEIR	NOSPACE
AEIS	NOTOPEN
AEIT	ENDFILE
AEIU	ILLOGIC
AEIV	LENGERR
AEIW	QZERO
AEIZ	ITEMERR
AEI0	PGMIDERR
AEI1	TRANSIDERR
AEI2	ENDDATA
AEI3	INVTREQ
AEI4	EXPIRED
AEI8	TSIOERR
AEI9	MAPFAIL
AEXC	RESIDERR
AEXF	ESCERROR
AEXI	TERMERR
AEXJ	ROLLEDBACK
AEXK	END
AEXL	DISABLED
AEXV	VOLIDERR
AEXW	SUPPRESSED
AEXX	TASKIDERR
AEX0	TCIDERR
AEX1	DSNNOTFOUND
AEX2	LOADING
AEX3	MODELIDERR
AEX5	PARTNERIDERR
AEX6	PROFILEIDERR
AEX7	NETNAMEIDERR
AEYA	INVERRTERM
AEYB	INVMPSTZ
AEYC	IGREQID
AEYE	INVLDC
AEYG	JIDERR
AEYH	QIDERR
AEYJ	DSSTAT
AEYK	SELNERR
AEYL	FUNCERR
AEYM	UNEXPIN
AEYN	NOPASSBKRD
AEYO	NOPASSBKWR
AEYP	SEGIDERR
AEYQ	SYSIDERR
AEYR	ISCINVREQ
AEYT	ENVDEFERR
AEYU	IGREQCD
AEYV	SESSIONERR
AEYX	USERIDERR
AEYY	NOTALLOC
AEYZ	CBIDERR
AEY0	INVEXITREQ
AEY1	INVPARTNSET
AEY2	INVPARTN
AEY3	PARTNFAIL
AEY7	NOTAUTH

Problem Determination: The function code of the command that produced the exceptional response and the response code can be found in the EXEC interface block (EIB). The EIB is part of a larger control block, used by DFHEIP, known as the EXEC

AEID

interface storage block (EIS). The EIS is addressed by the TCAEISA, which is the system part of the TCA + X'90'. The EIB is pointed to from the EIS + X'8'.

The function code may be located at offset X'1B' in the EIB while the response codes may be one of the following at the given offsets:

EIBRCODE	X'1D'
EIBRESP	X'4C'
EIBRESP2	X'50'

The *CICS/ESA Application Programming Reference* gives translations of the encoded functions and their responses.

Analysis: Because these abend codes are directly related to exceptional conditions that can be specified in HANDLE CONDITION commands, the application programmer should decide whether the condition is one that should be handled by the application (for example ENDFILE), or one that requires modifications to the application or CICS tables.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Change the application program either to prevent the condition recurring, to check it by using the RESP option, or to handle the condition when it does occur (by using the EXEC CICS HANDLE CONDITION command). If necessary, use the contents of the EIBRESP2 field or the EIBRCODE in the EIB to assist in determining the cause of the exceptional condition.

Module: DFHEIP

AEID

Explanation: EOF condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIE

Explanation: EODS condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIG

Explanation: INBFMH condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIH

Explanation: ENDINPT condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEII

Explanation: NONVAL condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIJ

Explanation: NOSTART condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIK

Explanation: TERMIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIL

Explanation: FILENOTFOUND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIM

Explanation: NOTFND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIN

Explanation: DUPREC condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIO

Explanation: DUPKEY condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIP

Explanation: INVREQ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIQ

Explanation: IOERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIR

Explanation: NOSPACE condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIS

Explanation: NOTOPEN condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIT

Explanation: ENDFILE condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIU

Explanation: ILLOGIC condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIV

Explanation: LENGERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIW

Explanation: QZERO condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIZ

Explanation: ITEMERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEIO

Explanation: PGMIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI1

Explanation: TRANSIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI2

Explanation: ENDDATA condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI3

Explanation: INVTSREQ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI4

Explanation: EXPIRED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI8

Explanation: TSIOERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEI9

Explanation: MAPFAIL condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AELA

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELA.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHETL

AELB

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELB.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHEGL

AEMA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the application (AP) domain when a request for set user exit active could not be serviced.

System Action: The task is abnormally terminated. The domain that detected the original error issues a console message and might provide an exception trace, and depending on the options specified in the dump table, a system dump.

User Response: See the associated console message for further guidance.

Module: DFHUEM

AEMB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See the related message from the domain that detected the original error.

Module: DFHUEM

AEMP

Explanation: The task was purged before a set active request to the application (AP) domain was able to complete successfully. The domain that first detected the purged condition may provide an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHUEM

AEMQ

Explanation: The task was purged before an IDENTIFY_PROGRAM request to the loader (LD) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting

for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHUEM

AETA

Explanation: A CICS transaction has issued a non-CICS command via an application "stub" (an expansion of a DFHRMCAL macro). Program DFHERM has determined that the exit has been disabled since the previous DFHRMCAL request was issued from the transaction.

System Action: The task is abnormally terminated with a transaction dump

User Response: Notify your system programmer.

Module: DFHERM

AETC

Explanation: A CICS transaction has issued a non-CICS command via an application "stub" (an expansion of a DFHRMCAL macro). However, the task-related user exit (TRUE) is not known to program manager.

System Action: The task is abnormally terminated with a transaction dump

User Response: Ensure that the TRUE as identified to the DFHRMCAL macro has been correctly defined to CICS.

Module: DFHERM

AETF

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHERM

AETG

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHERM

AETH

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHERM

AETI

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHERM

AEXC

Explanation: RESIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXF

AEXF

Explanation: ESCERROR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXI

Explanation: TERMERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXJ

Explanation: ROLLEDBACK condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXK

Explanation: END condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXL

Explanation: DISABLED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXS

Explanation: A CALL ASMTDLI, CBLTDLI or PLITDLI statement has been executed in an application program for a local DL/I database. At least one of the passed parameters (or in the case of PL/I possibly its locator-descriptor) resides at an address above 16MB.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Find out why the application has used storage above 16MB.

- For an ASSEMBLER program: ensure that the address of the storage containing the parameters is not above 16MB. For example, ensure that they have not been defined using DC statements in the program CSECT, and that they are not in storage obtained above 16MB using EXEC CICS GETMAIN.
- For a COBOL program: ensure that the application program was compiled using DATA(24) option (rather than DATA(31)).
- For a PL/I program: ensure that the application program was compiled using the REENTRANT option, and that the storage containing the parameters was not in STATIC storage, or in storage obtained above 16MB using for example EXEC CICS GETMAIN.

Note: The following information relating to the point of abend may be useful in connection with the AEXS abend.

R1 The address of the parameter list.

R7 The address of the parameter that is above 16MB, or in the case of PL/I the address of the locator that is above 16MB.

R8 For PL/I only, the address of the parameter that is above 16MB.

Module: DFHDLILP

AEXT

Explanation: A CALL ASMTDLI, CBLTDLI or PLITDLI statement has been executed in an application program for a local DL/I database. The parameter list resides in storage at an address above 16MB.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Find out why the application has used storage above 16MB.

- For an ASSEMBLER program: ensure that the address of the storage containing the parameter list is not above 16MB. For example, ensure it has not been defined using a DC statement in the program CSECT, and that it is not in storage obtained above 16MB using EXEC CICS GETMAIN.
- For a COBOL program: ensure that the application program was compiled using DATA(24) option (rather than DATA(31)). Additionally, if you are using COBOL/370 or IBM COBOL for MVS and VM, ensure that the LE run-time option STACK(,BELOW) was used.
- For a PL/I program: ensure that the application program was compiled using the REENTRANT option, and that the storage containing the parameters was not in STATIC storage, or in storage obtained above 16MB using, for example, EXEC CICS GETMAIN.

Notes:

1. Register 1 at the point of abend contains the address of the parameter list.
2. When the parameter list has been found to be at fault, the user should also check the parameters themselves. See the user response to the AEXS abend.

Module: DFHDLILP

AEXU

Explanation: During execution of an EXEC CICS command, a NOTPOSS condition has been raised on encountering an invalid parameter. This is probably caused by a previous storage overlay.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Refer to abend AEIA for an explanation of how to determine the function code of the CICS command that caused the abend.

It is not possible to set an EXEC CICS HANDLE CONDITION for NOTPOSS.

The system programmer should investigate the cause of the storage overlay.

Modules: DFHEIDTI, DFHEIQDS, DFHEIQSA, DFHEIQSC, DFHEIQSM, DFHEIQSP, DFHEIQST, DFHEIQSX

AEXV

Explanation: VOLIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXW

Explanation: SUPPRESSED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXX

Explanation: TASKIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEXY

Explanation: The executing transaction has been purged before control could be returned.

- + This can arise when the transaction is purged while
 - + • A CICS command was being processed
 - + • The transaction was waiting to be dispatched.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Contact your system programmer to determine why the transaction has been purged.

- Modules:** DFHEDCP, DFHEEI, DFHEIPRT, DFHEIPSE, DFHEIPSH, DFHEIQDN, DFHEIQDS, DFHEIQDU, DFHEIQIR, DFHEIQMS, DFHEIQMT, DFHEIQSA, DFHEIQSC, DFHEIQSJ, DFHEIQSK, DFHEIQSM, DFHEIQSP, DFHEIQSQ, DFHEIQST, DFHEIQSV, DFHEIQSX, DFHEIQTR, DFHEIQUE, DFHEIQVT, DFHEOP, DFHESC, DFHESE, DFHESN, DFHTIEM, DFHETRX, DFHPCPC2, DFHXTP, DFHZTSP
-

AEXZ

- | **Explanation:** A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code AEXZ. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

- | **Modules:** DFHEDCP, DFHEEI, DFHEIACQ, DFHEIPRT, DFHEIPSE, DFHEIPSH, DFHEIQDN, DFHEIQDS, DFHEIQDU, DFHEIQIR, DFHEIQMS, DFHEIQMT, DFHEIQSA, DFHEIQSC, DFHEIQSJ, DFHEIQSK, DFHEIQSM, DFHEIQSP, DFHEIQSQ, DFHEIQST, DFHEIQSV, DFHEIQSX, DFHEIQTR, DFHEIQUE,
-

- + DFHEIQVT, DFHEOP, DFHESC, DFHESE, DFHESN, DFHTIEM, DFHETRX, DFHPCPC2, DFHXTP, DFHZTSP
-

AEX0

Explanation: TCIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX1

Explanation: DSNNOTFOUND condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX2

Explanation: LOADING condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX3

Explanation: MODELIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX5

Explanation: PARTNERIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX6

Explanation: PROFILEIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEX7

Explanation: NETNAMEIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYA

AEYA

Explanation: INVERRTERM condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYB

Explanation: INVMP SZ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYC

Explanation: IGREQID condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYD

Explanation: A transaction has requested that CICS access a storage area that the transaction itself could not access. This occurred when an invalid storage area was passed to CICS as an output parameter on an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHEISR and then identify the parameter in error. If the abend is handled, EXEC CICS ASSIGN ASRASTG, ASRAKEY, ASRASPC, and ASRAREGS give additional information about the abend. At the time of the abend, register 2 points to the storage area at fault.

Change one or more of the following:

- Correct the code in error in the transaction issuing the EXEC CICS command in order to supply a valid storage area.
- If storage protection is active, change the EXECKEY on the CEDA definition for the program that issued the EXEC CICS command from USER to CICS.
- If storage protection is active, change the TASKDATAKEY attributes on the transaction definition from CICS to USER.
- If transaction isolation is active, change the ISOLATE attribute on the transaction definition from YES to NO.

Module: DFHSRP

AEYE

Explanation: INVLDC condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYG

Explanation: JIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYH

Explanation: QIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYJ

Explanation: DSSTAT condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYK

Explanation: SELNERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYL

Explanation: FUNCERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYM

Explanation: UNEXPIN condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYN

Explanation: NOPASSBKRD condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYO

Explanation: NOPASSBKWR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYP

Explanation: SEGIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYQ

Explanation: SYSIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYR

Explanation: ISCINVREQ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYT

Explanation: ENVDEFERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYU

Explanation: IGRQCD condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYV

Explanation: SESSIONERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYX

Explanation: USERIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYY

Explanation: NOTALLOC condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEYZ

Explanation: CBIDERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY0

Explanation: INVEXITREQ condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY1

Explanation: INVPARTNSET condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY2

Explanation: INVPARTN condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY3

Explanation: PARTNFAIL condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY6

Explanation: Internal logic error in DFHUEM. This arises when using EXITALL to DISABLE an exit program from all exit points for which it has been enabled. The entire user exit table has been scanned and all associations of the program have been found. But the activation count for the program in its exit program block indicates there should be more associations (for example, the activation count has not been reduced to zero). The user exit table and associated control blocks (EPBs and EPLs) are out of step and have probably been corrupted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHUEM

AEY7

Explanation: NOTAUTH condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

AEY8

Explanation: No DSA was found on the chain while trying to free dynamic storage for an assembler language program using an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the DFHEIENT, DFHEISTG, and DFHEIEND macro invocations are correctly positioned and retry. If the error persists, you will need further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEIP

AEY9

Explanation: One of the following:

- An EXEC CICS command has been issued that is not supported by the EXEC interface program DFHEIP.
- A transaction has issued an EXEC CICS command which is supported in principle by the EXEC interface program DFHEIP, but for which the prerequisite function has not been included in the current CICS start-up.
- A non-CICS command has been issued via an application “stub” (expansion of a DFHRMCAL macro), and the program DFHERM has detected that the necessary non-CICS support is not available.
- An attempt has been made to use remote resources, but the local SYSID has been specified in an EXEC CICS command, or vice versa.
- An attempt has been made to use remote resources, but ISC is not supported.

- + • An EXEC CICS command contains an invalid AID or
- + CONDITION identifier. This indicates that the EXEC CICS
- + command has become corrupted.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the sysid specified and the resource names were correct. If not, notify the system programmer. Either the command (or an application stub) has become corrupted, or the unavailable function needs to be generated (CICS command), ENABLEd (non-CICS command), or exceptionally the non-CICS support has suffered damage and is attempting to withdraw itself from the CICS system.

Module: DFHEIP

AEZA

Explanation: A transaction has been defined with a TASKDATALOC(ANY), but the programs within the transaction are running amode 24. The exec interface program is therefore unable to access the TCA for the application. Furthermore, any reference to the EIB would cause the transaction to fail with an OC4 protection exception.

System Action: The transaction is abnormally terminated.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the programs as amode 31.

Module: DFHEIP

AEZB

Explanation: A transaction has been defined with a TASKDATALOC(ANY), and the application is attempting to call a task related user exit. However the task related user exit has been linkedited AMODE 24 and enabled with the LINKEDITMODE option, thereby directing CICS to invoke it in AMODE 24. An AMODE 24 task related user exit cannot run when the calling application is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

System Action: The transaction is abnormally terminated.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or modify the task related user exit so that it is invoked in AMODE 31.

Module: DFHERM

AEZC

Explanation: A transaction has been defined with a TASKDATALOC(ANY), but a program within the transaction is defined to run AMODE 24. CICS cannot invoke the AMODE 24 program when the transaction is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

- + **System Action:** The transaction is abnormally terminated with a
- + CICS transaction dump.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the program as AMODE 31.

Module: DFHAPLI

AEZD

Explanation: An attempt has been made to run a program defined as EXECKEY(USER) as part of a transaction defined as TASKDATAKEY(CICS). These attributes are incompatible and the transaction is abended. The incompatibility could occur as a result of the program definition being autoinstalled. See the *CICS/ESA Customization Guide* and the *CICS/ESA Resource Definition Guide* for more information about program autoinstall.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Redefine and install a new definition either for the transaction with TASKDATAKEY(USER), or for the program with EXECKEY(CICS).

If this abend occurs when running a CICS transaction, a possible cause is that you are not using the CICS-supplied definition for the program. If you are using your own copies of CICS-supplied program definitions, they must be defined as EXECKEY(CICS).

Module: DFHAPLI

AFCB

Explanation: Module DFHFCEI issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.

Module: DFHFCEI

AFCC

Explanation: An internal logic error was detected when calling the file control request processing module DFHF CFR. Either DFHF CFR returned an INVALID response to its caller indicating an error in the caller's parameter list, or DFHF CFR passed back a return code that was not recognized by its caller.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHFCEI, DFHDMPCA, DFHDBP

AFCD

Explanation: During an attempt to locate an AFCT entry, the table manager program DFHTMP has returned a "disastrous error" response that could not be handled by its caller.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHFCEI

AFCE

Explanation: A GETMAIN for FFLE storage has failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Retry the failed transaction.

Module: DFHFCEI

AFCF

Explanation: A deadlock has been detected between two or more tasks issuing file control requests.

System Action: The task that would have entered deadlock is abended with a CICS transaction dump.

User Response: Examine this transaction and other transactions in the system that update the same files to find the cause of the deadlock, then correct the error.

When transactions update several files within the same unit of work, all transactions should update these files in the same order. A transaction that abends AFCF may be retried by specifying RESTART(YES) in the transaction definition and by coding a suitable DFHREST program.

Module: DFHFCEI

AFCG

Explanation: A file has issued a sequence of file control requests that would cause it to deadlock itself.

System Action: The task that would have entered deadlock is abended with a CICS transaction dump.

User Response: Examine the previous requests made by this transaction against this file to identify the cause of the deadlock, then correct the error.

A common cause of self deadlock occurs with VSAM LSR files, when an attempt is made to read a record that is in the same CI as a record that is the subject of a READ UPDATE or WRITE MASSINSERT request.

Module: DFHFCEI

AFCH

Explanation: The transaction has issued a request for a remote shared data table for which it has an active browse, but the table has in the meantime been disabled or closed by the owning CICS system, or the owning CICS system has failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: In the application owning region, take whatever action normally follows the issue of a FORCE request in, or the failure of, the file owning CICS system.

See the *Shared Data Tables Guide* for further guidance.

Module: DFHFCEI

AFCJ

Explanation: DFHFCU issued a call to DFHFCFS to open a file. A purged error was returned from DFHFCFS because the task has been waiting for a resource longer than the DTIMEOUT interval specified for the CSFU transaction.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: Examine the dump to determine the cause of the error. A system dump can be produced by adding the appropriate dump table entry using the CEMT SET TRDUMPCODE command.

Module: DFHFCU

AFCM

Explanation: During the loading of a data table by the CSSY transaction, an abend was detected, or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

System Action: A message is issued (one of DFHFC0945, DFHFC0946, DFHFC0947 or DFHFC0948). Loading of the data table is terminated and CSSY abends.

User Response: If this abend is produced as a result of an abend during loading, message DFHFC0945 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC0946, DFHFC0947 or DFHFC0948 is issued. Refer to the description of the message for further information and guidance.

Module: DFHDTLX

+ AFCN

+ **Explanation:** The transaction issued a file request that caused file control to attempt to create a journal record but the record is too large. This indicates that a journal referenced in the file control table (FCT) entry for this file has a block size that is too small to allow the journal record to be written.

+ **System Action:** The task is abnormally terminated with a CICS transaction dump.

+ **User Response:** Correct the discrepancy between the FCT and the JCT. Either a journal number is incorrect in the FCT entry, or the journal should be redefined with a larger block size.

+ The journal in error can be the system log, the forward recovery log, or the journal used for auto-journaling. Look for the exception trace taken at the time of the error. This formats the JCA. The JCA identifies the number of the journal in error.

+ If the module that detected the error is DFHDMPCA, the error is associated with a journal referenced in the definition of the CSD (DFHCSD).

+ **Modules:** DFHDMPCA, DFHFCEI

AFCP

Explanation: The transaction issued a file request that caused file control to attempt to create a journal record but journal control has issued an IDERROR response. This indicates that a journal referenced in the file control table (FCT) entry for this file is not defined in the journal control table (JCT).

System Action: Because this is a severe error that can affect the ability to perform forward recovery or backout, immediately after the IDERROR is received from journal control, CICS writes a message

to the console, records an exception trace entry and takes a system dump. Subsequently, the task is abnormally terminated with a CICS transaction dump.

User Response: Correct the discrepancy between the FCT and the JCT. Either a journal number is incorrect in the FCT entry, or a JCT entry is missing.

The journal in error can be the system log, the forward recovery log, or the journal used for auto-journaling. Look for the exception trace taken at the time of the error. This formats the JCA. The JCA identifies the number of the journal in error.

If the module that detected the error is DFHDMPCA, the error is in the definition of the CSD (DFHCSD).

Modules: DFHDMPCA, DFHFCEI

AFCQ

Explanation: The transaction issued a file request that caused file control to attempt to create a journal record but journal control has issued a LERROR response. This indicates that a journal referenced in the file control table (FCT) entry for this file has a block size that is too small to allow the journal record to be written. If the file has been defined for forward recovery, the system attempts to back out any changes made immediately prior to the abend, and tries to record this in the backout log. This may result in a second LERROR which causes a system abend.

System Action: Because this is a severe error that can affect the ability to perform forward recovery or backout, immediately after the IDERROR is received from journal control, CICS writes a message to the console, records an exception trace entry and takes a system dump. Subsequently, the task is abnormally terminated with a CICS transaction dump.

User Response: Correct the discrepancy between the FCT and the JCT. Either a journal number is incorrect in the FCT entry, or the journal should be redefined with a larger block size.

The journal in error can be the system log, the forward recovery log, or the journal used for auto-journaling. Look for the exception trace taken at the time of the error. This formats the JCA. The JCA identifies the number of the journal in error.

If the module that detected the error is DFHDMPCA, the error is associated with a journal referenced in the definition of the CSD (DFHCSD).

Modules: DFHDMPCA, DFHFCEI

AFCY

Explanation: The transaction issued a file request resulting in a call to the main file control program (DFHF CFR). During the processing of the request the transaction was purged (that is, was the subject of an explicit CANCEL request, or timed out, or selected by CICS for termination in an attempt to alleviate an SOS condition). A "purged" response was returned from DFHF CFR to its caller.

System Action: The task is abnormally terminated with a CICS transaction dump.

Exception trace entries are made between the point at which the purge is detected and the issuing of the ABEND.

User Response: In some instances, for example if the transaction was explicitly cancelled, no further action is necessary.

Otherwise examine the exception trace and the transaction dump to identify the point at which the purge occurred.

Modules: DFHDBP, DFHDMPCA, DFHFCEI

AFCZ

Explanation: The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). A "disastrous error" response was returned from DFHFCFR to its caller.

System Action: At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump. The trace and dump identify the point of error.

Subsequently, the task is abnormally terminated with a CICS transaction dump.

User Response: The system programmer should use the trace and dumps to determine what the error is, and why it has occurred.

Modules: DFHDBP, DFHDMPCA, DFHFCEI

AFC0

Explanation: An attempt has been made to update a file after file control restart failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Determine the cause of the failure in file control restart. Restart CICS.

Modules: DFHCEI, DFHDMPCA

AFC2

Explanation: DFHFCEI issued a call to DFHFCFS to open a file. A disastrous error was returned from DFHFCFS.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

CICS processing continues.

User Response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

Module: DFHFCEI

APAR PQ11895

New abend code AFC4

AFC4

Explanation: The transaction issued a file request for a record whose length does not match the defined record length of the recoverable fixed length file.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Adjust the length of the record to that of the fixed length of the file.

Module: DFHFCEI

AFC7

Explanation: The CICS definition file (CSD) manager (DFHDMPCA) issued a request to DFHFCFS to enable, open or close the DFHCSD file. A "disastrous error" response was returned from DFHFCFS to DFHDMPCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

CICS processing continues.

User Response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

Module: DFHDMPCA

AFC9

Explanation: A task attempted to update a file that was associated with a data set that has failed backout. Because the data set is in a corrupt state, no further updates are allowed and as part of backout failure processing, all files referencing the corrupt data set are closed. Existing users of the file are allowed to complete their requests if these do not modify the file (for example, a browse can be completed).

System Action: The main file control program DFHFCEI detects that an update is being attempted for a file referencing a data set which has failed backout. CICS then writes message DFHFCE0306 to the console, and records an exception trace entry.

DFHFCEI then returns a BACKOUT_FAILED response to the calling program, which then terminates the transaction with abend code AFC9.

User Response: The data set will need to be recovered before any further updates may be made to it. Refer to the earlier backout failure messages for further information.

Modules: DFHFCEI, DFHDMPCA

AGMA

Explanation: An attempt to initiate the good morning message transaction was made without specifying a termid for it to be displayed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine how the attempt to start the transaction was made. Ensure that no EXEC CICS STARTs are made for the good morning message transaction where no termid is specified.

Module: DFHGMM

AICA

AICA

Explanation: A task has been executing for longer than the runaway time interval (defined by the ICVR operand on the system initialization table macro, DFHSIT) without giving up control. The runaway task condition indicates a possible loop in the application.

System Action: The task is terminated with an AICA transaction dump.

User Response: See the *CICS/ESA Problem Determination Guide* for guidance on dealing with loops.

Module: DFHSRP

AICB

Explanation: A RETRIEVE WAIT request has been reissued in system shutdown.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: None

Module: DFHICP

AICC

Explanation: An incorrect response was returned from a timer (TI) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHTAJP, DFHICP

AICD

Explanation: A incorrect response was returned from a kernel (KE) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICE

Explanation: An incorrect response was returned from a dispatcher (DS) domain request (other than AICG).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICF

Explanation: An incorrect response was returned from a transaction manager (TM) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICG

Explanation: A PURGED response was returned from a dispatcher domain (DS) request, with a reason code of TASK_CANCEL. TASK_CANCEL was returned as the transaction had been explicitly canceled.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify your system programmer to determine why the task has been purged.

Module: DFHICP

AICH

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Modules: DFHICP, DFHEIIC

AICJ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHICP

AICK

Explanation: Module DFHEIC has issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.

Module: DFHEIC

AICL

Explanation: DFHEIC detected an invalid function code in the command level parameter list. This is caused either by a storage overwrite or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 trace of the IC and EI components would aid problem determination. Look in the program storage section of the transaction dump and compare argument 0, the exec interface descriptor (EID), for the command being processed with the argument 0 produced by the translator for the same command. Any differences mean that an overwrite of the application program may have occurred. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEIC

AICN

Explanation: An incorrect response has been returned from a user domain (US) request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICO

Explanation: An unexpected EXCEPTION response was received from a call to the user (US) domain.

The call was issued during initialization of a transaction that was started without a terminal. The call was made as part of processing to associate the transaction with its intended user. The attempt to associate the intended user with the transaction has failed.

The userid for the intended user of the transaction may not be correctly defined.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine why the intended user of the transaction is not correctly defined.

Examine messages produced for the CICS job by the external security manager (ESM). This may require the assistance of a security administrator.

It may be necessary to examine the transaction dump to determine why the external security manager has informed CICS that the user is not correctly defined.

When the user has been correctly defined, consider rerunning the transaction.

Module: DFHICXM

AICR

Explanation: A DFHTC write request has failed for IRC. The return codes within TCATPAPR and TCTEIRET should be examined to determine the cause of failure.

System Action: The CSNC transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRR

AISA

Explanation: The mirror transaction (CSMI) has been attached from some facility other than a terminal. This is not permitted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Using the dump, check the field TCAFCAAA to identify the invalid attach.

Module: DFHMIRS

AISB

Explanation: The mirror transaction (CSMI) has detected errors in the data passed to it from the attaching transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The invalid input will be visible in the transaction dump. This error is likely to be caused by some mismatch between the two systems. A typical example might be a DL/I request received on a system generated without DL/I.

Module: DFHMIRS

AISC

Explanation: The mirror transaction (CSMI) has not received a TIOA from the terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the trace in the dump and the dumped TCTTE to analyze the problem further.

Module: DFHMIRS

AISD

Explanation: The mirror program executed the request and received a nonzero return code as a result. The data flow control state of the intersystem link being used was such that this information could not be returned normally.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: The transaction dump provided will provide information required to analyze the source of the nonzero return code at its point of origin.

AISF

Module: DFHMIRS

AISF

Explanation: The CICS mirror program DFHMIRS has been attached in an unsupported manner. The principal facility for the mirror transaction is defined as APPC, however the conversation is unmapped.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: There is a problem with the system that caused the mirror transaction to be attached. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AISG

Explanation: The mirror program executed the request and produced the reply. This would not be sent because the data flow control state of the intersystem link was such that this could not be done.

System Action: The task (CSMI) is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump provided to analyze the problem.

Module: DFHMIRS

AISH

Explanation: The new connection task, CSNC, has been invoked in an incorrect manner (for example, from a terminal or via an EXEC CICS START request).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHCRNP

AISI

Explanation: A function shipping request was passed by DFHEIP to DFHISP. This was found to be invalid by the transformer, DFHXFP.

System Action: The transaction issuing the function shipping request is abnormally terminated with a CICS transaction dump.

User Response: The transaction dump will provide information to further analyze the problem.

Module: DFHISP

AISJ

Explanation: The IRC control task CSNC has abended because the attempt to LINK to DFHCRR failed.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abnormally terminated.

User Response: Ensure that program DFHCRR is available.

Module: DFHCRNP

AISK

Explanation: The user transaction has been abnormally terminated during the execution of a function shipping request on an APPC session. This has happened because the mirror transaction on the remote system has abnormally terminated, and caused a request for syncpoint rollback to be sent across the session. CICS abends the user transaction in these circumstances so that function shipping remains transparent to the transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the log on the mirror system to determine the reason for the original abend of the mirror task.

Module: DFHISP

AISL

Explanation: The LU services manager transaction has been started directly from a user terminal. This is not permitted.

System Action: The task is abnormally terminated with a transaction dump.

User Response: None. The LU services manager transaction must be started internally by CICS.

Modules: DFHLUP, DFHCLS3, DFHCLS4, DFHZLS1

AIMS

Explanation: A transaction has issued a macro-level request against a table entry with TYPE=REMOTE. Requests for operations on a remote system are valid only when issued at the command level, or at the CALL level for DL/I requests.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The transaction should be rewritten using the command level or the CALL level, or should be run using the table for which it was originally designed.

APAR PQ00933

DFHTSP removed from module list.

Modules: DFHTDP, DFHDLILP

AISN

Explanation: Task CSNC attempted to acquire a SUSPEND TOKEN to enable it to suspend itself until further work arrives. The attempt failed.

System Action: CSNC is abnormally terminated with a dump. The IRC facility is disabled.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AISO

Explanation: Task CSNC attempted to suspend itself, awaiting further work. The attempt failed.

System Action: CSNC is abnormally terminated with a dump. The IRC facility is disabled.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AISP

Explanation: A mirror transaction (transaction identifiers CSM1, CSM2, CSM3, CSM5, or CSMI) has been invoked with an invalid principal facility. The mirror transaction executes with an MRO session, an LU6.1 session or an APPC session as its principal facility.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not attempt to invoke the mirror transaction by entering the transaction identifier at a terminal.

Module: DFHMIRS

AISQ

Explanation: An EXEC CICS command has been issued against a CPI Communications session. A CPI Communications session is one that has a CPI-Communications Control Block (CPC) associated with it.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Do not mix EXEC commands with CPI Communications calls on the same end of a conversation.

Module: DFHMIRS

AISS

Explanation: A security violation has occurred while CICS was attempting to start a conversation with a remote APPC system. The security access level of the requestor was insufficient to access the transaction on the connected APPC system. Depending on the nature of the request and the way security has been set up, the requestor with an insufficient access level can be the local CICS system, the requesting transaction, or the terminal user.

Note: DTP programs do not abend with code AISS after a security failure in the remote region.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: First, verify that the access was correctly denied. Then, if required, change the access level.

Module: DFHZARM

AIST

Explanation: An unexpected return code has been returned after a DFHTC TYPE=LOCATE command.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: The trace in the system dump should be used to analyze the problem further.

Module: DFHCRNP

AISU

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHMIRS

AISV

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHMIRS

AISW

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHCRSP

AISX

AISX

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHCRSP

AISY

Explanation: The LU services manager transaction has been started, but invalid parameters have been detected.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See message DFHZC4921 for further guidance.

Module: DFHLUP

AISZ

Explanation: DFHMXP has received an unexpected reply when committing START PROTECT NOCHECK requests sent on a LUTYPE6.2 synclevel 1 conversation.

System Action: The task is abnormally terminated.

User Response: Determine what happened to transaction CVM1 in the partner system. If the START PROTECT NOCHECK requests had been committed, no further action is necessary. If they had not been committed, user-defined action is required to recover from the error.

Module: DFHMXP

AIS1

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQ command was issued.

This command was issued when enqueueing work for the IRC control task (CSNC) during IRC initialization.

System Action: If IRC is being initialized during CICS initialization (as a result of IRCSTRT being specified in the DFHSIT or override parameters), then CICS is abnormally terminated.

If IRC is being initialized during the execution of a CEMT SET IRC OPEN command, then the CEMT transaction is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRSP

AIS2

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=WAIT_Q command was issued.

This command was issued when waiting for more IRC work to process.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS3

Explanation: An attempt to issue a STCK (Store Clock) instruction failed.

System Action: CSNC is abnormally terminated with a system dump.

All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: Repair or enable the system clock.

Module: DFHCRNP

AIS4

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command. This command was issued when enqueueing work to the IRC 'delayed work' queue.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS5

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command was issued.

This command was issued when enqueueing work to the IRC 'immediate work' queue.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS6

Explanation: An INVALID, DISASTER or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHMIRS

AIS7

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

Module: DFHMIRS

AIS8

Explanation: An internal logic error has been detected in module DFHMIRS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AIS9

Explanation: The mirror program has detected that a DPL server program has returned in an invalid state following the completion of the LINK command. The server program or a program it linked to has initiated a synclevel 2 conversation with another program which in turn has issued a syncpoint. The server program has not responded to the syncpoint request which is still outstanding when control returns to the mirror program.

The mirror program only issues this abend code if the LINK request did not specify SYNCONRETURN.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Correct the design of the DTP application or applications initiated by the server program. If the SYNCONRETURN option is not specified on the LINK request, only the client program should initiate the syncpoint. If it is necessary to issue syncpoint requests from the DTP applications, consider using the SYNCONRETURN option on the LINK request. See the *CICS/ESA Intercommunication Guide* for further details of the LINK command and its options.

Module: DFHMIRS

AJCA

Explanation: An unrecoverable I/O error has occurred on output to a journal data set. The journal's journaling transaction is abnormally terminated with the abend code AJCA, and messages DFHJC4513 and DFHJC4517 are sent to the console and to the transient data destination CSMT.

Problem Determination: An I/O error is detected by one of the journaling modules because field DECBECB in the DCB does not contain the only acceptable completion code of X'7F'.

The field JCTEDICA in the JCEDD (the overlay for the area JCTCED defined in the journal data set indicated in the message DFHJC4513) contains the address of the MVS ECB. DECBECB is the first byte of the MVS ECB.

The JCTTE for the affected journal will have bit JCTJSIOE (X'01') in field JCTJS on.

Analysis: If an I/O error is detected on a journal for which CRUCIAL has been specified in the JCT, message DFHJC4518 is issued and you are advised to take a system dump and to terminate CICS. If the journal was specified as being NONCRUCIAL, the journaling task abnormally terminates with the AJCA abend code. There is one journaling task for each journal; each has a task identification of *Jnn*.

System Action: See message DFHJC4513, message DFHJC4517 and message DFHJC4518.

User Response: If the affected journal is CRUCIAL, you may want to shut down CICS for data integrity reasons (see message DFHJC4518).

Inform those responsible for the integrity of journal data sets. If the error persists, it may be necessary to allocate an alternative device or extent.

The transaction dump probably does not contain all the information necessary to determine the cause of the I/O error. Take a system dump by placing an entry for AJCA in the transaction dumpcode table, using the system dump option, and recreating the error. Then locate the journal control table entry (JCTTE) and DCB for the failing journal. The DCB contains diagnostic information to determine the cause of the I/O error.

- Look for errors in the job stream for this run.
- Assuming that the JCL is good, having located the DCB for this journal, refer to the manual to determine the reason for the error indicated in the DECBECB.

The JCT entry can be found in the system dump by referring to the control block index printed at the back of the dump. Field JCTEDICA contains the address of the control block DFHJCICA, which is a DSECT map of the OS/VS DECB. The address of the DCB can be found at offset X'8' of this control block.

Module: DFHJCIOE

AJCB

Explanation: An error has occurred while switching data sets on a NONCRUCIAL journal. The journal's journaling transaction is abnormally terminated with the AJCB abend code, and message DFHJC4512 is sent to the console and to the CSMT transient data destination.

If the error is detected on a journal for which CRUCIAL has been specified in the JCT (JCTJT has bit JCTJTC (X'02' set), CICS is terminated with a system dump.

Problem Determination: There is one journaling task for each journal. Each has a task identification of *Jnn*.

The journal status is found in field JCTJS. Bit JCTJSNO (X'20') means the journal is not open.

The journaling subtask is alive if the first byte of the field JCOCAECB does not have the POST bit set.

The JCOCAECB field is the first word in the journal control open/close list, DFHJCOCL. This storage is addressed by CSA field CSAJCOCL.

Analysis: An AJCB abend may be issued by DFHJCEOV for two reasons; the program may fail to close the current data set, or it may fail to open the next data set. The trace table will indicate which situation has occurred.

DFHJCC or DFHJCO may detect that DFHJCOCP is no longer running if that subtask has terminated prematurely.

After DFHJCOCP is invoked, errors occur because the OPEN or CLOSE macro issued by DFHJCOCP fails. DFHJCOCP does some prior checks that will not show up in the DECB.

System Action: If the journal is specified with the CRUCIAL option in its journal control table (JCT) entry, CICS execution is terminated with a system dump. Otherwise, execution continues and the journal is unavailable for the duration of the run; the journaling transaction is abnormally terminated with abend code AJCB and a CICS transaction dump.

User Response: Restart CICS if it has terminated. Inform the person(s) responsible for debugging system errors of this type. The condition may be due either to an operating system or device open/close failure, or to a CICS error.

The transaction dump may not contain all the information necessary to determine the cause of the error. If it does not, you should take a system dump after message DFHJC4512 is received. This will contain a dump of the journal control table and DCB. The DCB will contain diagnostic information that may be needed to determine the cause of the I/O error.

If the OPEN or CLOSE macro has been issued, make the following checks:

- Look for errors in the job control language for this run.
- Assuming that the JCL is good, locate the journal control table entry for the journal with the I/O error.
- Locate the DCB and DECB for the affected data set or drive in this journal and refer to the manual to determine the cause of error.

The AJCB transaction dump contains the address of the JCT entry; this is pointed to by register 11. In the system dump this will be shown, and the JCTICA field contains the address of the DECB.

Module: DFHJCEOV

AJCC

Explanation: The transaction identifier CSJC (which is reserved for use by CICS) has been entered at a terminal.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: None. Do not enter transaction identifier CSJC at a terminal.

Module: DFHJCBSP

AJCD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Modules: DFHJCKOJ, DFHJCP, DFHJCPDY

AJCE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Modules: DFHJCP, DFHJCPDY

AJCF

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the dispatcher (DS) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Modules: DFHJCBSP, DFHJCC, DFHJCEOV, DFHJCI, DFHJCKOJ, DFHJCO, DFHJCP, DFHJCSDJ

AJCG

Explanation: The task was purged before a WAIT request to the dispatcher (DS) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The task must have been purged as the result of a forced cancel (FORCEPURGE on CEMT SET TASK, CEMT SET TERMINAL, or CEMT SET CONNECTION). Determine why this was done.

Modules: DFHJCC, DFHJCEOV, DFHJCI, DFHJCKOJ, DFHJCO, DFHJCP, DFHJCSDJ

AJCH

Explanation: The DFHPC link for the journal exit has failed. Either message DFHJC4587 or message DFHJC4589 is produced in response to the detection of this failure.

System Action: The task which issued the request is abended with a CICS transaction dump.

User Response: Use the transaction dump and follow the guidance in message DFHJC4587 or message DFHJC4589 to solve the problem.

Modules: DFHJCC, DFHJCO

AJCI

Explanation: During initialization, a request was made to the SMAD domain with function ADD_SUBPOOL to create a system-wide subpool for use by forward recovery. This has returned a response of INSUFFICIENT STORAGE.

System Action: It is unlikely that initialization will complete due to critical storage problems. Other storage-related symptoms may also occur. The task is abnormally terminated with a CICS transaction dump.

User Response: Try increasing the overall size limits of the DSAs or EDSAs. See the *CICS/ESA System Definition Guide* or the *CICS/ESA Performance Guide* for more information on CICS storage.

Module: DFHJCRP

AJCJ

Explanation: During initialization, a request was made to the SMAD domain with function ADD_SUBPOOL to create a system-wide subpool for use by forward recovery. This has returned an unexpected response. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: It is unlikely that initialization will complete due to internal problems with the storage manager. The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHJCRP

AJCK

Explanation: DFHJCP has issued a GETMAIN request to the SMGF domain in order to create a new journal thread control block but an unexpected response has been received from the request. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See related message from the domain that detected the original error.

Module: DFHJCP

AJCL

Explanation: DFHAKP has issued a GETMAIN request to the SMGF domain in order to create a new journal minimum list entry for its own internal use. However, an unexpected response has been received from the request. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. CICS is then terminated abnormally with a dump, with an MVS user abend of 0161.

User Response: See the related message from the domain that detected the original error.

Module: DFHAKP

AJCM

Explanation: At the commencement of processing the journal minimum list entries, DFHAKP has attempted to locate the first JCT entry in the journal control table, but has failed to do so. This is probably due to an internal error.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS is then terminated abnormally with a dump, with an MVS user abend of 0161.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHAKP

AJCN

Explanation: DFHAKP has issued a GETMAIN request to the SMGF domain in order to create a new keypoint directory entry. However, this has resulted in an unexpected response from the domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. CICS is then terminated abnormally with a dump, with an MVS user abend of 0161.

User Response: See related message from the domain that detected the original error.

Module: DFHAKP

AJCO

Explanation: While processing existing keypoint directory entries, DFHAKP has issued a request to the SMGF domain to FREEMAIN a KPDE. However, this request has returned an unexpected response from the domain call. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. CICS is then terminated abnormally with a dump, with an MVS user abend of 0161.

User Response: See related message from the domain that detected the original error.

Module: DFHAKP

AJCP

Explanation: An abend has occurred in the journal exit program, DFHXJCO, after a link has been executed from DFHJCO.

System Action: The task which issued the request is abended and a transaction dump is produced. Message DFH4588 is produced in response to the detection of this abend.

User Response: Use the transaction dump and follow the guidance in message DFH4588 to solve the problem.

Module: DFHJCO

AJCQ

Explanation: An abend has occurred in the journal exit program, DFHXJCC, after a link has been executed from DFHJCC.

System Action: The task which issued the request is abended with a CICS transaction dump. Message DFH4588 is produced.

User Response: Use the dump and the guidance in message DFH4588 to solve this problem.

Module: DFHJCC.

AJCR

Explanation: A task abends with this code if it attempts to access a CRUCIAL journal that is not available.

System Action: The transaction is abnormally terminated.

User Response: See transaction abend AJCA, and messages DFHJC4513, DFHJC4517, and DFHJC4518.

Module: DFHJCP

AKCA

Explanation: The CICS transaction manager (DFHKCP) component has received an invalid request code.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to determine the reason for the failure. The invalid request code is in field TCATCTR of the failing task's task control area (TCA). The caller of DFHXCPC is most likely to be in error.

Module: DFHXCPC

AKCB

Explanation: The CICS transaction manager restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AKCB.

System Action: CICS writes a transaction dump for the transaction manager restart task.

CICS sends three messages to the console, one to identify the error detected by the transaction manager restart task, one to say that the task has failed, and one that gives you the option of canceling CICS or letting it continue. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Module: DFHKCRP

AKCC

Explanation: The CICS transaction manager has abended the transaction because the purge threshold of its TRANCLASS has been reached. This is specified by the PURGETHRESH parameter on CEDA DEFINE TRANCLASS. See the *CICS/ESA Resource Definition Guide* manual for more details of this parameter.

System Action:

+ **APAR PN82224**

+ The transaction is abended and messages DFHAC2004 and DFHAC2036 are issued. The transaction dump is suppressed for this abend code.

User Response: Resubmit the transaction. The cause of the abend may be a temporary stress condition in the system.

If the problem persists, determine why the TRANCLASS purge threshold has been reached. Ensure that PURGETHRESH has been specified correctly. Also, ensure that the MAXACTIVE value of the TRANCLASS has not been set too low. Transactions attached after the MAXACTIVE limit has been reached are immediately queued subject to the PURGETHRESH limit.

If PURGETHRESH and MAXACTIVE are set correctly, look for a more general problem which has caused a decrease in the capacity of the system to execute transactions in the TRANCLASS. The decrease might, for example, be caused by a connected CICS region which processes requests for transactions in the TRANCLASS, if this connected region has slowed down.

Examine all resources (files, links, storage, and so on) used by the transactions in the TRANCLASS which is reaching the purge threshold and determine why the capacity of the system is reduced.

Modules: DFHXMAT, DFHXMCL

AKCE

Explanation: While CICS transaction manager was recording changes to a transaction or profile definition, a write to the system log failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the log failed.

Module: DFHKCQ

AKCF

Explanation: While CICS transaction manager was recording changes to a profile definition, a write to the catalog failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the catalog failed.

Module: DFHKCQ

AKCR

Explanation: Transaction manager has received an invalid request code. The last AP F000 trace entry before the program control program (PCP) ABEND TRACE entry (TRACE ID 'F2', request code X'6000') will contain the invalid transaction manager request code in the fifth byte of the first section of the trace.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the invalid request code and correct the problem.

Modules: DFHXCP, DFHXCP

AKCS

Explanation: A deadlock timeout condition has been detected. This condition may occur within a transaction that specifies DTIMOUT to be nonzero on its installed transaction definition. Deadlock timeout occurs when a transaction was been waiting or has been suspended for longer than the time specified in DTIMOUT.

The abend may be driven by a variety of internal CICS events, for example:

- A short on storage condition
- A temporary storage shortage
- ENQUEUE
- An ALLOCATE request
- A RETRIEVE WAIT request.

The abend can also occur if CICS stops running for a time, for example while an sdump is taken. This is because deadlock timeout is based on total elapsed time, and not just the time CICS is executing.

Analysis: The transaction receiving the AKCS abend must have been suspended or must be waiting for a reason such as a short on storage, enqueued on a lock, a short on temporary storage, a suspend after RETRIEVE WAIT, a suspend after ALLOCATE, or an implicit ALLOCATE within function shipping or terminal sharing support. If none of these apply, the trace might reveal some event that has caused CICS to stop running for a time.

- + **System Action:** The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction
- + dump code AKCS indicates that one should be taken.

User Response: The transaction should be reexecuted, and the situation causing the SUSPEND to occur may clear itself.

The AKCS abend is to be expected occasionally, unless DTIMOUT is set to zero. No special action is necessary.

Modules: DFHXCP, DFHXCP

AKCT

Explanation: A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

If an EXEC CICS HANDLE ABEND has been issued for this task, the read that was timed-out is still outstanding. To cancel this read you should issue an EXEC CICS ABEND at the end of the user exit routine so that CICS can clean up the terminal's TCTTE.

System Action: The transaction is abnormally terminated. A transaction dump is not provided.

User Response: This abend is a normal one. Coding RTIMOUT in the PROFILE entry asks for the task to be abnormally terminated if the terminal does not send input within the specified time.

Module: DFHXCP

AKCV

Explanation: A bad return code was passed as a result of the resume of a task suspended by ICP.

System Action: The transaction is terminated with a dump.

User Response: Check the response from the resume in the trace to determine the cause of the error.

Module: DFHALP

AKC0

Explanation: An attempt has been made to run the CICS internal task CSSY as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSSY as a user transaction.

Module: DFHAPATT

AKC1

Explanation: A DFHKC WAIT request was issued when the ECB was already marked as waiting.

System Action: There is a probable user error. The transaction is abnormally terminated.

User Response: Correct the program that issued the request.

Module: DFHXCP

AKC2

Explanation: A bad response has been received from a dispatcher (DS) domain call.

System Action: The transaction is abnormally terminated with a transaction dump and a trace entry.

User Response: Examine the trace entry for further information.

Modules: DFHXCP, DFHXCP

AKC3

AKC3

Explanation: The task has been purged, probably due to operator action such as a CEMT TASK PURGE command.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

Modules: DFHXCP, DFHXCPC, DFHXMAT, DFHXMCL, DFHXMIQ, DFHXMTA

AKC4

Explanation: An attempt to obtain and initialize storage for the transaction being attached failed.

System Action: A storage GETMAIN failure other than insufficient storage occurred on transaction attach. The transaction is abnormally terminated with abend code AKC4.

User Response: Examine the trace entry for further information.

Module: DFHXCP

AKC5

Explanation: An invalid response has been received from a storage manager (SM) domain call.

System Action: The transaction is abnormally terminated.

User Response: Examine the trace entry for further information. Increasing the EDSA storage limit on the CICS bring-up may help.

Module: DFHXCP

AKC6

Explanation: DFHRC RESUME should always be preceded by DFHRC SUSPEND. If this protocol is violated then the transaction is abnormally terminated with abend code AKC6.

System Action: Transaction is abnormally terminated with abend code AKC6.

User Response: Examine the trace entry for further information.

Module: DFHXCP

AKC7

Explanation: A bad response has been received from an XMSU call during the ATTACH of a transaction.

System Action: The transaction is abnormally terminated with abend code AKC7.

User Response: Examine the trace entry for further information.

Module: DFHXCPC

AKC8

Explanation: A bad response has been received from a call to the kernel (KE) domain during the processing of a task purge request.

System Action: The transaction is abended with a transaction dump.

User Response: Examine the dump and any exception trace entries for further information.

Module: DFHXCP

AKEA

Explanation: A program check has been detected by the kernel (KE) domain.

System Action: If an application is in control, the ASRA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine where the program check has occurred.

Module: DFHKESTX

AKEB

Explanation: An operating system abend has been detected by the kernel (KE) domain.

System Action: If an application is in control, the ASRB abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Check the console for any MVS messages that may have caused this abend.

Look at the kernel domain section of the system dump to determine where the abend has occurred.

Module: DFHKESTX

AKEC

Explanation: The kernel (KE) domain has detected runaway.

System Action: If an application is in control, the AICA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine where the runaway has occurred.

Modules: DFHKESTX, DFHKERRU

AKED

Explanation: The kernel (KE) domain has been requested to initiate abend processing as a result of a deferred abend request.

System Action: Abend processing starts for the task that is subject to the deferred abend request.

User Response: The task is not abended with AKED but by an abend code specified by the requestor of the deferred abend. See the description of this abend for further guidance.

Module: DFHKEEDA

AKEF

Explanation: The kernel (KE) domain has detected an error while processing a domain call. The error may have been caused by a domain gate that was not yet active during initialization

System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: See any related messages from the kernel domain.

Look at the kernel domain section of the system dump to determine where the error has occurred. Check that a call has not been made to a domain gate that has not yet been made active. Check that the caller has NOT specified KERNERROR(YES).

Module: DFHKERKE

AKEG

Explanation: The kernel (KE) domain issued an MVS GETMAIN for kernel stack storage, but the GETMAIN request failed.

System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine why sufficient storage was not available.

Check that the REGION parameter for the CICS job is large enough. For information about how to do this, refer to the *MVS/ESA JCL Reference manual*.

Module: DFHKESGM

AKEZ

Explanation: A user attach has failed because there are insufficient kernel tasks available. This indicates an internal logic error.

System Action: Message DFHKE0001 is issued and a system dump is taken. The attach of the user transaction fails.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHKETA

AKSE

Explanation: A user has generated an addition to the keyword table, but code has not been added to process this keyword.

System Action: The transaction is abnormally terminated and a dump is taken.

User Response: Add code to process the keyword.

Module: DFH99KC

ALIA

Explanation: CICS has issued a GETMAIN request during the initialization phase for an OS/VS COBOL application program in order to get run time storage for the task global table and working storage areas. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIB

Explanation: CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain run time execution storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIC

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage above the 31-bit line. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALID

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage below the 31-bit line. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIE

Explanation: CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain thread storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIF

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain thread storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIG

Explanation: CICS has been unable to determine the language of the user application program about to be executed. Either the program was compiled against an old level of compiler that is no longer supported by CICS, or the language of the program is not supported by CICS.

System Action: CICS abnormally terminates the task

+

+ and disables the program. CICS processing continues.

User Response: Ensure that the program to be run is written in one of the languages and compiled against a level of compiler supported by CICS. See the *CICS/ESA Application Programming Guide* for details of the languages and compilers currently supported.

Module: DFHAPLI

AMI1

Explanation: When the mirror task is resumed, a bad response other than a time out or a cancellation was given by the dispatcher.

System Action: The mirror transaction is abnormally terminated with a transaction dump.

User Response: Use the dump and the trace to determine the cause of the error.

Module: DFHMIRS

AMNA

Explanation: An exception response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA1 field in the user parameter contains an invalid address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the DATA1 value passed to the monitoring (MN) domain was invalid.

Module: DFHCMP

AMNB

Explanation: An exception response has been received from the monitoring (MN) domain whilst processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA2 field in the user parameter contains invalid data.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the DATA2 value passed to the monitoring (MN) domain was invalid.

Module: DFHCMP

AMNZ

Explanation: An unexpected error response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This indicates a possible error in CICS code. An earlier CICS message is issued from the monitoring domain. Follow the user response for that message.

Module: DFHCMP

AMSA

Explanation: An input data stream received from a 3270 begins with a set buffer address (SBA) order but is not followed by two 1-byte address fields. This is probably due to a hardware error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: It may be possible to bypass the problem by entering two spaces before the data to be entered.

If the problem persists, you need further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHMSP

AMSB

Explanation: An internal logic error has been detected in module DFHMSP.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Retry the CMSG transaction, specifying operands in a different order. If this fails, keep the dump and contact your IBM Support Center.

Module: DFHMSP

AMSC

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHMSP

AMSD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related error message produced by the domain that detected the original error.

Module: DFHMSP

APCF

Explanation: A CICS task has invoked a program which was defined as PL/I, but the program was not compiled with a supported PL/I compiler.

System Action: CICS terminates the task

+ APAR PN88432

+ and disables the program.

User Response: Check that the program is PL/I. If the program is PL/I, recompile it with the PL/I optimizing compiler; you may need to change the source program. If the program is not PL/I, redefine it correctly.

Module: DFHAPLI

APCG

Explanation: The transaction was purged either by master terminal actions or due to deadlock timeout actions as part of a request to the loader for a usable program copy. Deadlock timeout could be caused by a program whose size exceeds the available space in the DSAs or EDSAs.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to investigate why the transaction was purged. This may be due to waiting for loader resources or for program storage. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

Modules: DFHACP, DFHCRNP, DFHCRSP, DFHDBCT, DFHDBDSC, DFHDLRP, DFHDLX, DFHEDFP, DFHEIP, DFHEIPSH, DFHEIQIR, DFHEIQSJ, DFHFBCBP, DFHFEP, DFHICP, DFHJCBSP, DFHJCC, DFHJCEOV, DFHJCO, DFHKCQ,

DFHMCP, DFHMCPE, DFHMSP, DFHPCPG, DFHPHP, DFHPSIP, DFHPUP, DFHRCP, DFHRCRP, DFHRDCAL, DFHRTC, DFHSI1, DFHSIJ1, DFHSPP, DFHSTP, DFHTACP, DFHTBSGB, DFHTCBP, DFHTCRP, DFHTDX, DFHTSPA, DFHTSRP, DFHUSBP, DFHXRCBP, DFHXRE, DFHXRSP, DFHZATA, DFHZATD, DFHZCPLN, DFHZGAI, DFHZQ00, DFHZGAI, DFHZNCA, DFHZOPA, DFHZXCU

APCH

Explanation: A request for a COBOL2 program could not be executed because a problem has occurred during system initialization for COBOL2. This is probably due to the absence of COBOL2 or Language Environment/370 support.

System Action: The transaction is abnormally terminated

+ APAR PN88432

+ and the program is disabled.

User Response: Redefine the program or ensure that the correct Language Environment/370 or COBOL2 support is present.

Module: DFHAPLI

APCI

Explanation: A request for a PL/I program could not be executed because execution of PL/I programs has been disabled.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the PL/I libraries are included in DFHRPL.

Module: DFHAPLI

APCJ

Explanation: A request for a C program could not be executed either because C/370 was unable to recognize the program as having been compiled under the C/370 Compiler, or because the program was not link-edited with the attribute AMODE(31).

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS; or, if necessary, recompile the program using the current level of the C/370 Compiler.

Module: DFHAPLI

APCK

Explanation: A request for a C program could not be honored; execution of C programs has been disabled either because CICS was unable to load the required C/370 support module EDCCICS, or because C/370 initialization failed. This abend may be accompanied by message DFHFC0410.

System Action: The transaction is terminated abnormally and the program is disabled.

User Response: Refer to the explanation for message DFHFC0410 and, in particular, check that C/370 has been installed correctly.

Module: DFHAPLI

APCL

APCL

Explanation: An attempt to run the program failed because Language Environment/370 was unable to determine its language.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS.

If the language of the program is PL/1, and the level of LE/370 is version 1.2 or later, ensure that the program has been relinked. See the *Language Environment 370 Programming Guide* for more information.

Module: DFHAPLI

APCN

Explanation: An attempt to release an internal CICS program, a mapset, or a partitionset because the program, mapset or partitionset has not been loaded or has already been deleted. This is probably an internal CICS error.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The name of the program for which the RELEASE was attempted can be found in the abend dump at TCAPCPPI.

User Response: This is either an internal CICS error or is due to the overwriting of CICS internal control blocks. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed. DFHAMPEN, DFHFEP, DFHMCP, DFHMCPPE, DFHPHP, DFHRCRP, DFHTBSSP, DFHZCPLN

APCS

Explanation: An attempt to run the program failed because CICS was unable to make a successful connection with Language Environment/370 to determine the run-time characteristics of the program. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual for the meaning of the reason code, and take whatever action is necessary to correct the error.

Module: DFHAPLI

APCT

Explanation: One of the following has occurred:

1. The program name in the EXEC CICS HANDLE ABEND program is not usable at the time an abend occurs because:
 - The program is not on the relocatable program library (RPL).
 - The program is disabled.
 - The program cannot be loaded.
2. An attempt to load a mapset or partitionset failed because although the program is defined to CICS
 - It is not available on the RPL, or
 - It is disabled, or

- It cannot be autoinstalled.

3. An attempt to link to, load, or release an internal CICS program failed because:

- The program is not on the RPL.
- The program is disabled.
- The program cannot be loaded.

Problem Determination: The trace preceding the abend indicates the program, mapset, or partitionset that could not be loaded, linked to, or released. The name is also in TCAPCEPI.

APAR PN88867

TCAPLEPI changed to TCAPCEPI

System Action: The transaction requiring the program is abnormally terminated with a CICS transaction dump.

User Response: In cases 1 and 2, define the program, mapset partitionset to CICS using CEDA and ensure it is enabled.

In case 3, the definition of a CICS-provided module is incorrect. Check for associated messages issued during CICS start up.

Modules: DFHACP, DFHAMPEN, DFHCRSP, DFHDLX, DFHEDFP, DFHEIP, DFHEIPSH, DFHEIQSJ, DFHFEP, DFHICP, DFHJCEOV, DFHJCO, DFHMCP, DFHMCPPE, DFHMELDE, DFHPCPG, DFHPHP, DFHPUP, DFHRCRP, DFHRDCAL, DFHSII1, DFHTBSGB, DFHTSRP, DFHZCPLN, DFHZQ00, DFHZXCU

APCW

Explanation: The program language is defined as COBOL but the level of the compiler under which it was originally compiled cannot be determined. Most probably, the program was compiled under an OS/VS COBOL II compiler but the required level of support for that compiler is not present in the system.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Check that OS/VS, COBOL II or Language Environment/370 support is present in the system and that the required interface modules (IGZECIC or CEECCICS) have been correctly loaded during system startup.

Module: DFHAPLI

APCY

Explanation: In an MVS/ESA environment, a CICS macro request has been issued from a PL/I or COBOL application. Alternatively, it is possible that the application program has been link edited without the EXEC interface module (for example, DFHECI or DFHELII) which is used by the CICS high-level language programming interface. See the *CICS/ESA System Definition Guide* for details of what has to be done to include this module.

System Action: The transaction is abnormally terminated

APAR PN88432

and the program is disabled.

User Response: Remove the macro request from the application program.

Module: DFHAPLI

APARs PN77114 and PN79580

+ APCZ

+ **Explanation:** An attempt has been made to run either an 'old-style' application program (that is, a program with a pre-release 1.6 or a DFHE program stub) or an OS/VS COBOL program, either having been link-edited with either the RENT or REFR attributes. These types of program are not reentrant and therefore cannot be loaded into read-only storage.

+ **System Action:** The transaction is abnormally terminated

+ **APAR PN88432**

+ and the program is disabled.

+ **User Response:** Relink the program without the RENT and REFR attributes.

+ **Module:** DFHAPLI

| APC0

| **Explanation:** A serious error occurred in a call to the program manager domain when trying to link a system program.

| **System Action:** CICS terminates the task with a transaction dump.

| **User Response:** Use the dump to investigate why the error occurred. Look at the trace records prior to the error for abnormal conditions in processing the PGLK domain call. This may be due to a problem with directory manager, loader, or storage manager. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

| **Module:** DFHPCP

APC1

Explanation: A request for a TGT exceeding 64KB has been detected.

System Action: CICS abnormally terminates the transaction and disables the installed program definition.

User Response: Change the application program to reduce the working storage requirement. Perform CEMT NEWCOPY and ENABLE for the program when it has been corrected.

| **Module:** DFHAPLI

APC2

Explanation: An illegal branch has been attempted by a Language Environment/370 user program following an abend condition with an active handle label abend. Usually an Out-Of-Block GOTO will have resulted, implying that the program tried to branch to, for example, an inactive block. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.

+ **User Response:** Refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual for the meaning of the reason code, and amend the program to avoid the GOTO in error.

Module:

| **Module:** DFHAPLI

APC3

Explanation: An attempt to run the program failed because the program appeared to be defined to CICS as Language Environment/370 but no Language Environment/370 support was present in the system and no other language environment was able to run the program.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Redefine the program to CICS in a language other than Language Environment/370.

| **Module:** DFHAPLI

| APC4

| **Explanation:** A call to the loader domain to define program ILBOCOM failed.

| **System Action:** The transaction is abnormally terminated.

| **User Response:** Check that the library containing the OS/VS COBOL runtime library modules is named in the DFHRPL DD concatenation.

| **Module:** DFHPCPC2

| APC5

| **Explanation:** A call to the loader domain to load program ILBOCOM failed.

| **System Action:** The transaction is abnormally terminated.

APAR PQ26111

User Response: Check that the library containing the OS/VS COBOL runtime library modules is included in the DFHRPL concatenation. If it is, obtain and check a trace of the failure. If no reasonable explanation is found (such as lack of storage), you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Module:** DFHPCPC2

| APC6

| **Explanation:** An internal error has occurred.

| **System Action:** The transaction is abnormally terminated.

+ **User Response:** See the associated X'F230' exception trace entry for further diagnostic information.

+ For an ACQUIRE error ensure the associated module is in a library in the CICS DFHRPL concatenation.

+ For an IDENTIFY error make sure that the associated module has not been MVS LOADED; for example, by the inadvertent link-editing of a VS COBOL2 program with a COBOL subprogram.

| **Module:** DFHPCPC2

| APC7

| **Explanation:** An MVS IDENTIFY call has given a non zero return code. The IDENTIFY call was being used to make the entry point ILBOCOM0 known to MVS.

| **System Action:** The transaction is abnormally terminated.

| **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

| **Module:** DFHPCPC2

APC8

APC8

Explanation: An MVS LOAD of ILBOCOM0 has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APC9

Explanation: An MVS LOAD of ILBOCOM has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APLx

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the *OS PL/I Optimizing Compiler: Programmer's Guide* or in the *LE/370 Diagnosis Guide*.

APP1

Explanation: The DFHIC TYPE=GET response code was not a normal response.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Analyze the dump. The response code is in the low-order byte of register 0.

Module: DFHP3270

APP2

Explanation: The length of data that has been passed to DFHP3270 via temporary storage is less than or equal to 5.

Problem Determination: Register 6 points to the data retrieved from temporary storage via a DFHIC TYPE=GET macro invocation. The layout of this data is:

- Terminal data area length (2 bytes)
- Write control indicator (1 byte)
- Write control or carriage control character (1 byte)
- Data (variable length)

Analysis: DFHP3270 has been called to handle a print request from a 3270 Information Display System terminal. It obtains from temporary storage the data to be printed, via a DFHIC TYPE=GET invocation. It ensures that some data to be printed is present. The area returned from temporary storage contains the data to be printed preceded by 4 bytes as described above. DFHP3270 has found that, because the length of data passed to it is less than or equal to 5, there is no data to be printed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the user DFHTEP. If it is not at fault, submit an APAR.

If this abend has occurred, the data that DFHP3270 obtained from temporary storage was probably put there with an incorrect length. The user may have requested indirectly that this data be placed in

temporary storage either by an application request for printing (for example ISSUE PRINT) or by pressing the Print Request key. However, CICS should control the data length for this request. Under normal circumstances, the only way the user could have requested directly that data is to be placed in temporary storage is in the user's TEP. The user should check any invocations of DFHIC TYPE=PUT in handling print requests, particularly when dealing with the "printer unavailable or busy" condition, and ensure that the length field is set correctly.

Module: DFHP3270

APP3

Explanation: An attempt to request data has been sent to a nonprinter or unsupported device type by either:

- A terminal operator entering CSPP as a transaction code, or
- A transaction issuing a DFHTEP request.

System Action: The transaction is abnormally terminated. A CICS transaction dump is **not** provided.

User Response:

1. Ensure that the terminal operator ceases to use CSPP as a transaction code, or
2. Correct the user DFHTEP program.

Module: DFHP3270

APR1

Explanation: An abnormal DFHIC TYPE=PUT response code was received during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in low-order byte of register 0.

Module: DFHPRK

APSJ

Explanation: The abending transaction invoked the system spooler initialization program (DFHPSIP) illegally, that is from a program other than the CICS module, DFHSIJ1.

System Action: CICS terminates the transaction abnormally. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Remove any calls or links to DFHPSIP from your application programs. If you can find no invocation of DFHPSIP in your application, you need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPSIP

APST

Explanation: A task issued a SPOOL command without the mandatory NOHANDLE operand.

System Action: CICS terminates the task abnormally with a dump.

User Response: Correct the syntax of the command, specifying NOHANDLE.

Module: DFHEPS

APSU

Explanation: The CICS SVC passed an invalid JES interface return code to the CICS system spooler (an MVS subtask).

System Action: CICS terminates the task abnormally.

User Response: This is an internal error – check any JES failures that occurred at the same time.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPST

APSV

Explanation: A storage area for VSAM macro return codes contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHSPST

APSW

Explanation: An abend occurred within a CICS system spooler subtask.

System Action: CICS terminates the task abnormally with a dump.

User Response: This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPST

APSX

Explanation: A CICS storage area used for notification of invalid parameters contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHSPST

APSY

Explanation: A CICS storage area for MVS macro return codes contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHSPST

APSZ

Explanation: A CICS area, used to store a JES interface return code, contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPST

APTI

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHSPST

APTJ

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHSPST

APUA

Explanation: An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP (PUPF).

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

APUB

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUB

Explanation: An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP (PUPU).

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUC

Explanation: An internal error was detected when module DFHPUP was invoked. An invalid function code was supplied for a domain call to DFHPUP.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUD

Explanation: The RDO language definition table (DFHEITSP) could not be located in the library.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUE

Explanation: The RDO language definition table (DFHEITSP) could not be loaded because of a lack of available storage.

System Action: Processing is abnormally terminated with an operating system dump.

User Response: Allocate more storage and resubmit the offline COPY or APPEND command(s) that failed.

Modules: DFHPUP (Batch environment)

APUF

Explanation: Either the RDO language definition table is invalid or it is missing from the library.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUG

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the CSD record buffer.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUH

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the argument list.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUI

Explanation: An internal error was detected in module DFHPUP. Storage cannot be freed for the argument list.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUJ

Explanation: An internal error was detected in module DFHPUP. Storage cannot be freed for the CSD record buffer.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUK**Explanation:**

- In a CICS environment, storage could not be acquired for a buffer to contain logged RDO commands in the CEDA transaction.
- In a batch environment, storage could not be acquired for a buffer to contain back-translated resource definitions from the CSD.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUL

Note: The description of this abend also applies to APUM, APUN and APUO.

Explanation: CICS cannot find a match for a function code in the language definition table, because the parameterized resource definition contains an unrecognized resource type code.

The abend code issued depends on the DFHPUP operation that was invoked before the error occurred:

Abend	DFHPUP operation
APUL	FLATTEN
APUM	TRANCASE
APUN	COMPARE
APUO	BACKTRANS

The cause of the abend is either:

1. A language definition table (DFHEITSP or DFHEITCU) in the library is invalid for the CICS release you are running, **or**
2. A CICS logic error has occurred.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Your response depends on which of the two possible reasons apply:

1. Ensure that the DFHEITSP and DFHEITCU modules in the library are valid for this release of CICS.
2. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUM

Explanation: Refer to the description of abend APUL.

APUN

Explanation: Refer to the description of abend APUL.

APUO

Explanation: Refer to the description of abend APUL.

APUP

Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. There was a stack error building a keyword list for the syntax tree.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUQ

Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. Too many keywords found in syntax expansion.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUR

Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The data type for a keyword field conflicts with the data type specified in the language definition table.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUS

Explanation: An internal error occurred in DFHPUP processing of a CSD record buffer. The integer data length for a keyword field is invalid.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUT

Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The keyword existence bit number, which is the KEP(1) value in language definition table DFHEITSP, is not valid.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUZ

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. Thisabend can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Avoid operations on groups containing definition-types that are unsupported by the CICS release you are running.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

ARCA

Explanation: The CICS recovery control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ARCA.

System Action: CICS writes a transaction dump for the recovery control restart task. CICS then terminates abnormally with a system dump.

CICS sends two messages to the console, one to identify the error detected by the recovery control restart task, and one to say that the task has failed. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Module: DFHRCRP

ARCB

Explanation: CICS has attempted to enable a task-related user exit, or a global user exit during initialization, but failed because the exit program could not be found.

On all types of start, CICS attempts to enable DFHEDP, the EXEC DLI task-related user exit. On an emergency restart, CICS enables transaction backout exit programs as specified by the TBEXITS system initialization parameter.

System Action: CICS issues a message to the console indicating which exit program is involved. CICS initialization then terminates abnormally with a system dump.

User Response: If the associated message indicates that program DFHEDP could not be found, check that IBM-supplied group DFHEDP is included in the group list used at CICS cold start time.

For transaction backout exit programs, ensure the program has been defined and is in a library available to CICS.

If necessary, use the dump to find out why the exit program could not be enabled.

Module: DFHRCEX

ARHA

Explanation: The SAA resource recovery interface has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIR

ARHB

Explanation: The SAA resource recovery interface has been invoked with an invalid number of parameters for the call.

System Action: the transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the SAA resource recovery verb name that was issued incorrectly. Use this to determine where the application program was in error and amend application program accordingly. The *SAA Resource Recovery Reference Manual*, SC31-6821, provides a detailed description of the SAA resource recovery verbs and how they should be called.

Module: DFHCPIR

ARHC

Explanation: The SAA resource recovery interface has detected an unexpected return code from the syncpoint program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIR

ARL1

Explanation: Transaction CSLG was entered to CICS, but was not internally initiated by a task attach.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not reenter the CSLG transaction identification.

Module: DFHZRLG

ARPA

Explanation: An unexpected response from DFHSUSN has occurred when trying to sign off a user of the CRTE transaction in the target system when processing a CANCEL request.

This abend can be caused by incorrect use of the VTAM VARY INACT command. Otherwise it indicates that there may be an error in CICS.

System Action: The CSSF transaction (CRTE cancel processor transaction) is terminated with an ARPA abend.

User Response: Ensure that the VTAM VARY inact command is used correctly. If this is not the cause of the abend, you need further assistance from IBM to correct this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTC

ARTA

Explanation: The task does not own a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

Module: DFHRTE

ARTB

Explanation: There is no input TIOA or the data length is zero.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

Module: DFHRTE

ARTC

Explanation: The link to the required system is not usable for an unknown reason.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTE

ARTD

Explanation: An internal logic error has been detected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTE

ARTE

Explanation: An error was encountered when attempting to read from or write to temporary storage.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the temporary storage problem and correct it.

Module: DFHRTE

ARTF

Explanation: An attempt has been made to use the routing transaction (CRTE) from a terminal that has a permanent transaction code set.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer.

Module: DFHRTE

ARTG

Explanation: CICS could not find the profile specified for a transaction being routed.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check your transaction and profile definitions.

Module: DFHRTE

+ ARTH

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHRTE during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: CICS terminates the task abnormally with a dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHRTE

ASCA

Explanation: A DFHSC TYPE=GETMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

ASCB

Explanation: A DFHSC TYPE=FREE MAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

ASCP

Explanation: A task which has issued an unconditional DFHSC TYPE=GETMAIN request has been purged while waiting for sufficient contiguous main storage to become free.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This will either have been as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out

after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the task was purged by the master terminal operator then this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded then this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHSMSCP

ASCR

Explanation: A DFHSC macro request has been issued with an invalid request type.

System Action: The transaction is terminated with a CICS transaction dump.

Detection of the invalid request by DFHSMSCP causes a console message and a system dump to be produced.

User Response: Use the associated console message and system dump to investigate the problem.

Module: DFHSMSCP

ASFA

Explanation: An internal logic error occurred in DFHSFP because of an unexpected response from EXEC CICS. This abend code is usually accompanied by message DFHCE3598 which contains the associated return codes.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSFP

ASFB

Explanation: An attempt was made to execute the CICS signoff program without an associated terminal.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASFC

Explanation: An attempt was made to execute the CICS signoff program against an APPC session.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASIA

Explanation: An error has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. CICS then terminates abnormally.

User Response: See the related message from the domain that detected the original error.

Module: DFHSII1

ASIB

Explanation: An attempt has been made to run the CICS internal task CPLT as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CPLT as a user transaction.

Module: DFHSIPLT

ASNA

Explanation: An internal logic error occurred in DFHSNP because of an unexpected response from EXEC CICS.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSNP

ASNB

Explanation: An attempt was made execute the CICS sign on program without an associated terminal. This abend code is usually accompanied by message DFHCE3548.

System Action: CICS terminates the transaction with a dump.

User Response: Only use the sign on program when there is a related terminal.

Module: DFHSNP

ASNC

Explanation: The signon program attempted to send a request to the user but failed to do so.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSNP

ASPA

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

If CICS is abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

Modules: DFHSPP, DFHSPZ

ASPB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

User Response: See the related message from the domain that detected the original error. If CICS was abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

Modules: DFHSPP, DFHSPZ

ASPD

Explanation: An error has occurred while trying to reset the dynamic log. The syncpoint may represent either a user syncpoint or a syncpoint at the end of a logical unit of work or during restart of a transaction.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Notify the system programmer of the error, which probably occurred while reading the dynamic log from temporary storage. The dump can be used to ascertain why the log could not be read.

Module: DFHSPP

ASPE

ASPE

Explanation: A syncpoint rollback command has been issued but CICS cannot link to DFHDBP (the dynamic backout program) from the syncpoint program.

System Action: The task is abnormally terminated with a transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Ensure that DFHDBP is available and correctly specified as a system initialization parameter.

Module: DFHSPP

ASPF

Explanation: A syncpoint has been attempted with an intersystem session which has returned ROLLEDBACK to syncpoint program. As a result, the transaction is abnormally terminated because the logical unit of work which was being syncpointed has been backed out.

This could result from shutting down IRC or from the failure of a connected CICS region.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine why the remote intersystem session returned a ROLLEDBACK response to the syncpoint request. Once this has been corrected retry the transaction.

To avoid ASPF abends in future, ensure that no in-flight units of work exist before shutting down IRC.

Module: DFHSPP

ASPG

Explanation: The local transaction program was about to participate in a syncpoint with a partner transaction program connected via APPC synclevel 2. While initializing a URD control block for the partner, the local system detected an invalid format in the partner's fully qualified LU name. As a result, no syncpoint operations could complete with integrity.

This error is caused by an invalid LU name in the partner's EXCHANGE LOG NAMES command

System Action: The transaction program is abnormally terminated with a CICS transaction dump and CICS backs out of all recoverable changes.

User Response: Ask the operator of the partner to help resolve the problem, and ensure that EXCHANGE LOG NAMES completes successfully before synclevel 2 activity is attempted.

Module: DFHSPZ

ASPH

Explanation: The local transaction program was about to participate in a syncpoint with a partner transaction program connected via APPC synclevel 2. At the start of syncpoint processing, no logname for the partner LU was found, indicating that EXCHANGE LOG NAMES has not completed successfully. As a result, no syncpoint operations can complete with integrity.

This error is caused by EXCHANGE LOG NAMES processing failing to complete successfully.

System Action: The transaction program is abnormally terminated with a CICS transaction dump and CICS backs out of all recoverable changes.

Message DFHZN2111, DFHZN2112, or DFHZN2113 may have been issued when EXCHANGE LOG NAMES failed.

User Response: See any related messages for further guidance.

Ask the operator of the partner to help resolve the problem, and ensure that EXCHANGE LOG NAMES completes successfully before synclevel 2 activity is attempted.

Module: DFHSPZ

ASPJ

Explanation: During CICS synclevel 1 commit, unexpected syncpoint message data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

System Action: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

User Response: Examine the transaction dump to determine why the message data was invalid. It is likely that the error is in the remote system.

Module: DFHSPZ

ASPK

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, an error was detected when the commit message was sent to a synclevel 1 function shipped resource.

System Action: A CICS transaction dump is taken, and the local transaction is abended after committing as many synclevel 1 partners as possible.

User Response: Examine the CSMT message queue and look for messages DFHZN2131, DFHZN2132 or DFHZN2133. These provide more information about the error.

Module: DFHSPZ

ASPL

Explanation: An error occurred while CICS was writing syncpoint information to the system log. The syncpoint may represent either a user syncpoint or the end of the transaction.

Problem Determination: At the time of the abend, the journal error return code is in the JCA, field JCAJCRC. The JCA is addressed by TCAJCAAD.

Analysis: DFHSPP tests the return code from the journal control program following a logging operation during syncpoint processing. If an error has occurred, DFHSPP abends with code ASPL.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Use the dump to ascertain why the log record could not be written correctly.

Module: DFHSPP

ASPM

Explanation: An internal logic error has occurred in DFHSP due to an unexpected response from a resource manager. This abend code is usually accompanied by DFHRM0101.

System Action: CICS terminates the transaction with a system dump.

User Response: Keep the dump. Refer to message DFHRM0101 for further guidance.

Module: DFHSP

ASPN

Explanation: A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives or issues an abend, or receives a backout request on a protected conversation.

System Action: CICS terminates the transaction with a transaction dump.

User Response: The application should have an explicit syncpoint command coded before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed. A subsequent EXEC CICS RETURN then completes successfully.

Module: DFHSP

ASP1

Explanation: An intersystem session failed while a syncpoint was being taken. In consequence, the transaction is abnormally terminated because the logical unit of work that has updated a remote database cannot be completed normally.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: None, as a result of this abnormal termination alone. However, DFHZN2101 may also be produced, which itself may require some action.

Module: DFHSPZ

ASP2

Explanation: A syncpoint has been attempted with the intersystem links in an invalid state. This may be because the syncpoint protocol for transaction to transaction has been violated by failing to be in send mode for all sessions for which syncpoint has not been received.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Ensure that all applications are in the correct state on all conversations before issuing the syncpoint. If this fails, you need further assistance to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPZ

ASP3

Explanation: The abnormal termination occurs because a remote system on which the unit of work depends fails to take a syncpoint. The transaction cannot commit its changes until all coupled systems to which function has been transmitted also commit. This may be because the syncpoint protocol for transaction to transaction has been violated by failing to be in send mode for all sessions for which syncpoint has not been received.

Problem Determination: Register 12 addresses the current TCA. Register 3 addresses the remote system TCTTE. The terminal control operation request byte TCATPOS1 indicates the nature of the request being made to the remote system. Its possible values are:

TCATPPRP (X'01') - Prepare request
TCATPSPR (X'02') - SPR request

The request response code byte TCATPAPR gives the response from the remote system:

X'00' - operation successful
X'0C' - session failure
other - remote system error

Analysis:

Register	Label	Description
R3=@TCTTE R12=@TCA	SPIS340	In response to a prepare request either a remote system error occurred, or no SPR was received.
R3=@TCTTE R12=@TCA	SPIS453	An SPR request was sent, but a remote system error occurred.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Run enquiries to discover whether or not remote database changes were successfully backed out. If they were, retry the transaction. If they were not, take user-defined action to resynchronize the local and remote databases.

Check why the remote system failed to respond to the request. If any database changes on the remote system were successfully backed out, the transaction may be retried; failing which, application-dependent procedures must be taken to ensure resynchronization of the databases on both systems.

Modules: DFHSP, DFHSPZ

ASP4

Explanation: A resource manager involved in syncpoint protocols has replied 'backed out' to a single phase commit request. A non-CICS resource manager communicating through a task related user exit can drive this abend.

This abend is caused by a prior problem, namely the resource manager being forced to back out updates made in this logical unit of work (LUW). An example is a loss of communication between CICS and the resource manager at the time of syncpoint.

System Action: CICS terminates the task abnormally with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Determine what caused the resource manager thread to terminate abnormally and back out.

Module: DFHSP

ASP5

Explanation: The task does not own its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPZ

ASP6

Explanation: An unsuccessful attempt was made to flush out data that was waiting to be shipped to the system that owns the terminal that is the principal facility of this task.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSPZ

ASP7

Explanation: A resource manager involved in syncpoint protocols has replied 'No' to a request to 'Prepare'. A non-CICS resource manager communicating through a task related user exit can drive this abend.

System Action: CICS terminates the task abnormally with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: This abend is caused by a prior problem: for example, the resource manager cannot flush its buffers because of an I/O error, or it cannot communicate with CICS because of a TP failure. Correct the earlier problem.

Module: DFHSPP

ASP8

Explanation: The transaction requested syncpoint rollback, but was using a type of processing for which syncpoint rollback is not supported.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: This error is either an application error or a configuration error. Some communication sessions, (for example, LU6.1) do not support syncpoint rollback, and if CICS detects such a session during rollback processing, the task is abended. This restriction is described in the *CICS/ESA Intercommunication Guide*. To resolve the problem, either:

- Change the application so that it does not issue syncpoint rollback commands while the non-supporting sessions are allocated, or
- Change the configuration so that either APPC or MRO sessions are used for communication. These are the only two session types which support syncpoint rollback.

Module: DFHSPZ

ASP9

Explanation: An attempt to free a TCTTE owned by this task failed.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHSPP, DFHSPZ

ASRA

Explanation: The task has terminated abnormally because of a program check.

System Action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001. Message DFHSR0622 may also be issued.

User Response: Refer to the description of the associated message or messages to determine and correct the cause of the program check.

Module: DFHSRP

ASRB

Explanation: An operating system abend has occurred and CICS has been able to abend the current transaction.

System Action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001.

User Response: Refer to the description of the associated message to determine the cause of the original operating system abend, and take the necessary corrective action.

Module: DFHSRP

ASRD

Explanation: The task has been abnormally terminated for one of these reasons:

- A program contains an assembler macro call which is no longer supported by CICS.
- An invalid attempt has been made to access the CSA or TCA. This abend could be caused by an attempt to address the CSA through OS/VS COBOL BLL cells. For example:
 - + When an OS/VS COBOL program is invoked by CICS for
 - + MVS/ESA, CICS inserts the address of the fetch-protected
 - + dummy CSA into the first of the application-managed BLL cells.
 - + If an attempt is made to access this storage before the
 - + application has reinitialized the BLL cell, abend ASRD will
 - + occur.
- A non-assembler program has been wrongly defined to CICS as an assembler program.

This error appears as a program check.

System Action: The task is abnormally terminated and CICS issues message DFHSR0618, followed by either DFHAP0001 or DFHSR0001.

User Response: Refer to the description of the associated messages to determine and correct the error.

It is likely that either R12 which usually addresses the TCA or R13 which usually addresses the CSA is pointing to an area of storage that you are not allowed to access.

- + For more information about OS/VS COBOL BLL cells and associated problems, see the *CICS/ESA Problem Determination Guide*.

Module: DFHSRP

ASRK

Explanation: The AP domain recovery stub, DFHSR1, has been invoked to deal with a program check, operating system abend, or another error within a transaction environment. However, DFHSR1 has been unable to call the system recovery program, DFHSRP, because register 12, which should be pointing to the task control area (TCA), is null. This indicates that the caller of DFHSR1, has not set the address of the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHSR1

ATCA

Explanation: The system was in a final quiesce mode when the CICS application program issued a DFHTC macro.

System Action: The task requesting the I/O is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHZARQ

ATCB

Explanation: The CICS application program issued two consecutive DFHTC writes or two consecutive DFHTC reads, but in either case did not issue an intervening wait.

Problem Determination: A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAAA address the TCTTE associated with this task. In TCATPOS2, bit TCATPOWR (X'01') indicates that a write is requested by the DFHTC macro, and bit TCATPORR (X'10') indicates that a read is requested. In TCTTEOS, bit TCTTEOWR (X'01') indicates that a write is in progress, and bit TCTTEORR (X'10') indicates that a read is in progress.

Analysis:

Register	Label	Description
R10=@TCTTE R12=@TCA	TCZARQ05 (TCZAQ1W)	Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEOWR is on in byte TCTTEOS.
R10=@TCTTE R12=@TCA	TCZARQ05 (TCZAQ2W)	Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.
R10=@TCTTE R12=@TCA	TCZARQ12	Bit TCATPORR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Take corrective action within the program being executed.

This is almost certainly an application program error. Determine the flow of control through the application and determine why an intervening wait is not issued. The trace table may be useful to discover where the application is issuing the read and write requests. If necessary, start trace or auxiliary trace using the master terminal command and rerun the transaction to obtain a trace. The output of the auxiliary trace can be printed using the trace utility program, DFHTU410.

Module: DFHZARQ

ATCC

Explanation: An application program, using a pipeline session, has either issued more than one write request or issued a read request.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program so that it will not issue more than one consecutive WRITE to a pipeline session terminal.

Module: DFHZARQ

ATCD

Explanation: This abend code is used whenever a CTYPE request or a QUEUE request is issued and VTAM or a ZCP function has not been included in the system.

It is also used to abend a task that issues an APPC command when the CICS system is not at a level to support APPC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the transaction so that it does not issue a CTYPE macro instruction if VTAM is not generated into the system, or include the ZCP function for which the CTYPE or QUEUE request was issued.

Modules: DFHZDSP, DFHZERH

ATCE

Explanation: A CICS application program has issued a DFHTC request without specifying the address of a TIOA, but the request is not an ERASE ALL UNPROTECTED or a READBUF request for a 3270 data stream terminal.

Problem Determination: A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAAA addresses the TCTTE associated with this task. Register 8 and TCTTEDA should contain the address of the TIOA to be used in the I/O request, but actually they contain zero. For a 3270 data stream terminal, byte TCTETDST has bit TCTETTSI (X'01') set. An erase-all-unprotected request is indicated by the setting of bit TCTTEEUI (X'40') in byte TCTTEEUB, and a read buffer request is indicated by the setting of bit TCTTERBI (X'80') in byte TCTTERBB. **Analysis:**

ATCF

Register	Label	Description
R10=@TCTTE	TCZARQ41	NIOABAR (register 8) contains zero.
R8=0		Register 8 has been loaded field TCTEDA of the TCTTE associated with this task.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the error in the user program by ensuring that a terminal input/output area (TIOA) is provided at write time.

This is almost certainly an application program error. Determine the flow of control through the application and determine why a TIOA has not been specified.

Module: DFHZARQ

ATCF

Explanation: A DFHTC CTYPE macro was issued to a non-VTAM terminal control table terminal entry (TCTTE), or a DFHTC CTYPE=COMMAND or RESPONSE macro was issued to a VTAM 3270 TCTTE.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the program issues CTYPE macros to VTAM terminals only, and does not issue CTYPE=COMMAND or RESPONSE to a VTAM 3270.

Module: DFHZCRQ

ATCG

Explanation: A CICS application program has issued a DFHTC request for a terminal that it does not own. The problem of ownership may be because the task previously issued a WRITE, LAST request (which would have detached the terminal from that task) or because the task incorrectly specified the terminal to which the request is directed.

Problem Determination: Register 12 addresses the current TCA and register 10 contains the address of the TCTTE. The address of the TCTTE was obtained either from TCAFCAAA in the case of a non-ISC transaction, or from TCATPTA if bit TCATPTTA (X'40') is on in byte TCATPOC3 (this indicates that TERM=YES was specified on the DFHTC request and that this is an ISC transaction). In the TCTTE thus located, the field TCTTECA does not contain the address of the TCA, indicating that this TCA is not owned by this task.

Analysis: A DFHTC request has been issued specifying a TCTTE in which the field TCTTECA does not contain the address of the TCA.

Register	Label	Description
R10=@TCTTE	TCZARQ05	TCTTECA is not equal to register 12.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is most probably an application error (unless storage has been completely overwritten). Determine the flow from the trace table and when a request to the DFHZCP detach routine, DFHZDET, or a DFHTC WRITE, LAST was issued.

Module: DFHZARQ

ATCH

Explanation: The task was purged before a domain call was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Modules: DFHBSM62 DFHBSS DFHBSSZ DFHBSTZ
+ DFHBSTZV DFHBSTZ1 DFHBSTZ2 DFHDLBP DFHFCBP
+ DFHTBSB DFHTBSBP DFHTBSD DFHTBSDP DFHTBSL
+ DFHTBSLP DFHTBSQ DFHTBSR DFHTBSRP DFHTBSSP
+ DFHTCBP DFHTCRP DFHTOASE DFHTOATM DFHTOLCR
+ DFHTOLUI DFHTRZCP DFHTRZIP DFHTRZPP DFHTRZXP
+ DFHTRZYP DFHTRZPP DFHUSBP DFHZCQCH DFHZCQDL
+ DFHZCQIQ DFHZCQIS DFHZCQRS DFHZCQ00

ATCJ

Explanation: This abend is issued by DFHZATA in the following circumstances:

- Transaction CATA is issued from a terminal
- The address of the AWE (TCAFCAAA) is 0
- The AWE is invalid (TCTWETYP should be TCTTEAWE)
- An abend is issued early in DFHZATA.

This abend is issued by DFHZATD in the following circumstances:

- Transaction CATD is issued from a terminal
- The address of the AWE (TCAFCAAA) is 0
- TCAFCAAA is an AWE and not a terminal
- An abend is issued early in DFHZATD.

This abend is issued by DFHZATR in the following circumstances:

- Transaction CATR is issued from a terminal
- An abend is issued early in DFHZATR.

System Action: CICS rejects the request.

User Response: Determine the issuing program and the reason for the abend and take the appropriate action as follows:

Do not try to invoke CATA, CATD or CATR from a terminal.

If the address in TCAFCAAA is incorrect, the calling mechanism has failed. This is a CICS logic error.

If an abend has been issued, use the transaction dump to determine where the abend occurred. This is a CICS logic error.

Modules: DFHZATA DFHZATD DFHZATR

ATCK

Explanation: An application program has issued a WRITE to a VTAM terminal specifying CCOMPL=NO without being authorized to do so.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Specify CHAINCONTROL in the transaction profile.

Module: DFHZARQ

ATCL

Explanation: An error has occurred either during automatic journaling or automatic logging of terminal messages to or from this transaction. The message being logged will be one associated with an explicit READ or WRITE in the application program.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' - WRITE
X'8003' - PUT

Possible response codes are:

X'01' - IDERROR - Journal identification error
X'02' - INVREQ - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
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R4=@JCA TCZARQPJ JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Modules: DFHETL, DFHTPCM, DFHZARQ

ATCM

Explanation: An error has occurred while writing syncpoint information for the terminal associated with this transaction on the CICS system log. The sync point may represent either a user syncpoint or the end of the transaction.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' - WRITE
X'8003' - PUT

Possible response codes are:

X'01' - IDERROR - Journal identification error
X'02' - INVREQ - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

Analysis:

Register	Label	Description
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For DFHZSYN:
R4=@JCA TCZSYNS4 JCAJCRC is nonzero indicating that a journal error has occurred.

For DFHZDWE:
R2=@JCA TCZDWE03 As above

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the log record could not be written correctly. This may be a CICS system problem.

Modules: DFHZDWE, DFHZSYN

ATCN

Explanation: An error has occurred during the automatic journaling or automatic logging of the initial input message of this transaction. This input message is the message that actually caused the transaction to be invoked.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' - WRITE
X'8003' - PUT

Possible response codes are:

X'01' - IDERROR - Journal identification error
X'02' - INVREQ - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

Analysis:

Register	Label	Description
----------	-------	-------------

R4=@JCA TCZARQJP JCAJCRC is nonzero.
TCZSUPJW Journal error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the log record could not be written correctly. For a guide to analyzing the dump, see abend code ATCM.

If a journal record length error is indicated, TIOATDL (X'08') may have been corrupted.

Module: DFHZSUP

ATCO

Explanation: An application program has attempted to perform a function not supported by a terminal or system.

Possible errors are:

1. **SIGNAL not supported.**

A DFHTC TYPE=SIGNAL request with the WAIT=YES option was issued to a VTAM logical unit that CICS does not support for the receipt of the SIGNAL indicator.

2. **WRITE STRUCTURED FIELD not supported.**

This write may have been attempted as a result of a SEND command with the STRFIELD keyword to a device that does not support this function.

3. **APPC mapped conversation not supported.**

The application has attempted to perform a normal terminal control command on a session that is in use for an APPC unmapped conversation. (Only EXEC CICS GDS commands are permitted.)

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program.

Module: DFHZARQ

ATCP

Explanation: DFHJCP detected an error while attempting a PUT request when a response to a protected message has been received. This PUT request would log that a positive response has been received.

Problem Determination: The journal control request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' - WRITE
X'8003' - PUT

Possible response codes are:

X'01' - IDERROR - Journal identification error
X'02' - INVREQ - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR - Journal record length error
X'07' - IOERROR - I/O error.

Analysis:

Register	Label	Description
----------	-------	-------------

R2=@JCA	TCZRLG30	JCAJCRC is nonzero indicating that a journal error has occurred.
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System Action: The CSLG response-logging transaction is abnormally terminated with a CICS transaction dump. It is subsequently reattached and, if possible, the log record is then written.

User Response: Use the dump to ascertain why the log record could not be written correctly.

Module: DFHZRLG

ATCQ

Explanation: The application program issued a write operation to a terminal that was in send status. In order to allow this write to proceed, a signal command was sent, and DFHZCP started to read data from the terminal waiting for the change direction indication. As each data record is received, it is placed on temporary storage and, for one of these operations, a temporary storage error has occurred.

Problem Determination: Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR containing the temporary storage response code. The temporary storage response code may be one of:

X'04' - IOERROR - I/O error
X'08' - NOSPACE - No temporary storage space
X'20' - INVREQ - Invalid request.

The temporary storage identification is constructed by concatenating the character string "DFHQ" with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSDI.

Register 8 and field TCTTEDA address the TIOA that is being written to temporary storage. The address passed to temporary storage is that of TIOATDL.

Analysis: After the DFHTS TYPE=PUTQ, the temporary storage response code was not zero.

Register	Label	Description
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R12=@TCA	ZRAQ60	TCATSTR is nonzero.
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System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that temporary storage has been included in the system and that it has sufficient space.

If an invalid request is indicated, check that the length of the data being written to temporary storage is not greater than the VSAM control interval size minus 84. The length of the data is in TIOATDL (which is 8 greater than the length of the data that is read in by DFHZCP).

Module: DFHZRAQ

ATCR

Explanation: An application program has issued a read operation, after a previous write operation has caused DFHZCP to read-ahead data from the terminal in order to avoid a lock-out. DFHZCP has now issued a DFHTS GETQ to retrieve the saved data from temporary storage, and an error has occurred.

Problem Determination: Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR that contains the temporary storage response code. The temporary storage response code may be one of:

X'01' - ENERROR - Entry error
X'02' - IDERROR - Identification error
X'04' - IOERROR - I/O error
X'20' - INVREQ - Invalid request

The temporary storage identification is constructed by concatenating the character string "DFHQ" with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSDI.

Analysis: After the DFHTS TYPE=GETQ, the temporary storage response code was not zero.

Register	Label	Description
----------	-------	-------------

R12=@TCA	ZRAR90	TCATSTR is not zero.
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System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the temporary storage error and correct it.

If a temporary storage identification error is indicated, examine TCTTETI for a valid terminal identification.

Module: DFHZRAR

ATCS

Explanation: An application program attempted to send data to a logical unit after a SIGNAL data flow command with an RCD (request change direction) has been received. This condition arises when the application handles the IGREQCD exceptional condition incorrectly.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Handle the IGREQCD exceptional condition correctly.

Module: DFHZARQ

ATCT

Explanation: An attempt to build a surrogate TCTTE to represent a remotely-owned terminal failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSUP

ATCU

Explanation: An application program attempted to send data to a logical unit, but was in receive mode (EIBRECV is set), and read-ahead queuing was not specified in installed profile definition (RAQ=NO).

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either change the application program to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition (If RAQ=YES is specified, ensure that all input messages are read before the transaction is terminated.)

Module: DFHZARQ

ATCV

Explanation: An application attempted an operation on a logical unit, but was not in the correct mode for one of the following reasons:

1. When issued by DFHZARQ, CICS cannot perform the current request because another request is outstanding (EIBSYNC is set). This holds for APPC or non-APPC systems
2. When issued by DFHETL, the application is communicating with an APPC system, and is not in the correct state to perform the attempted operation. This holds for APPC systems only
3. When issued by DFHZISP, a TCTTE free was requested, and there is an outstanding sync point request. This holds for non-APPC systems only
4. When issued by DFHZISP, a TCTTE free was requested, the TCTTE is in receive mode, and RAQ=NO was specified in the

installed profile definition. This holds for non-APPC systems only.

Problem Determination: Register 12 addresses the current TCA. Register 10 and field TCAFCAAA address TCTTE. The terminal byte TCTTECRE has bit TCTEUCOM (X'02') set if sync point is required, and TCTEUFRT (X'04') set if Free Session is required; TCTESMDI has TCTEUSMD (X'02') set if the application is in SEND mode. TCTERCVI has TCTEURCV (X'01') set if the application is in RECEIVE mode. Bit TCTESRAQ (X'80') in byte TCTEIRAQ indicates that read-ahead queuing is coded on the installed profile definition for this transaction.

The type-of-request bits in the TCA are set as follows:

- TCATPOS1 TCATPIS (X'01') Signal requested.
 - TCATPFRE (X'03') Free TCTTE.
- TCATPOS2 TCATPORR (X'10') Receive requested.
 - TCATPOWR (X'01') Send requested.

Analysis:

Number	Label	Description
DFHZARQ		
1.	TCZAQW8	Attempting to receive when sync point or Free Session outstanding.
2.	TCZAQ2W	Attempting to send while in receive mode.
3.	ZARQNOPG	Issuing SIGNAL while in send mode.
DFHZISP		
4.	ZISPVTCK	Attempting to free session while sync point request is outstanding.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The response depends on the reason for the error as follows:

1. Issue a sync point and then issue the request.
2. Issue the free request and reallocate the session.
3. Either change the application to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition. (If you specify RAQ=YES in the installed profile definition, ensure that all input messages are read before the transaction is terminated.)
4. See the *CICS/ESA Distributed Transaction Programming Guide*, where rules for the correct use of commands are given. Then correct the application.

The application program has attempted an operation on a logical unit that is invalid, because the program's current status on the session with that logical unit does not permit it. An investigation of the TCTTE (that is, Session), status bytes, and TCA type of request bytes will reveal which of the above problems are relevant.

When the cause of the problem has been ascertained, the application program should be changed to ensure that the session-oriented information is acted upon before any further requests are sent across that session. The session status information is made available to the application program in the exec interface block (EIB) immediately following the execution of RECEIVE, CONVERSE, or RETRIEVE requests across the session. The relevant bytes must be tested, strictly in the order shown, and acted upon, before any further operations are attempted on the session. In addition, the status information bytes themselves are necessarily volatile in that they are reset before the execution of every EXEC CICS... statement. Thus it is good

ATCW

programming practice to save them into application user storage after a RECEIVE, CONVERSE, or RETRIEVE for later testing. The states are:

- 1. EIBSYNC** the application must take a syncpoint
- 2. EIBFREE** the application must free the session (or terminate when the session will be freed automatically)
- 3. EIBRECV** the application must continue receiving data by issuing further RECEIVE commands; by definition, data cannot be sent while in this state.

Some of these status tests can sometimes be omitted (for example, testing of the EIBSYNC status is not essential if it is known that the application program on the remote system never issues sync point requests itself). However, the tests should always be carried out, particularly if the remote application might be amended at a future date, in which event the session handling logic may well be altered. Also, it may be that the remote transaction itself causes an unsuspected flow on the session. For example, if the remote program issues EXEC CICS SEND..... LAST across the session, followed by RETURN, a syncpoint request (RQD2) will be added onto the transmitted data. (The application programmer is referred to the *CICS/ESA Distributed Transaction Programming Guide* for a full discussion of this topic). As a result of this addition, an unsuspected syncpoint request is received by the local application, which abend if the session is freed without the sync point request being honored.

Note: An ATCV abend is also raised by module DFHETL if a state error occurs during processing of an APPC mapped application (that is, the program attempts to perform an operation while in the wrong state). The handling of APPC mapped applications is described in the *CICS/ESA Diagnosis Reference*. Some commands are processed by DFHZARQ, as above, and others by various other modules invoked by DFHETL. Rules for using commands for APPC are given in the *CICS/ESA Distributed Transaction Programming Guide*, and reference to this Guide should reveal the programming error.

Modules: DFHETL, DFHZARQ, DFHZISP

ATCW

Explanation: The system has been generated without an installed profile definition for an LU6.1 or APPC session.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error.

Module: DFHZSUP

ATCX

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

An application program that issues terminal control requests after an ATCX abend may cause further problems.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Modules: DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSZZS, DFHAPRT, DFHCRP, DFHDLBP, DFHFCBP, DFHQRY, DFHTCBP, DFHUSBP, DFHZARL, DFHZARQ, DFHZERH, DFHZGET, DFHZFRE, DFHZNAC, DFHZRVS, DFHZSUP, DFHZTSP, DFHZXST

ATCY

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

- + If the inbound FMH is from a system with an earlier release CICS, you may need to set USEDFLTUSER. See 'Attach Time Security and the USEDFLTUSER option' in the *CICS/ESA CICS-RACF Security Guide*.

Modules: DFHZARQ, DFHZSUP

ATCZ

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on the SET_NETWORK_IDENTIFIER call to the security domain as part of opening the CICS VTAM ACB (for example, EXEC CICS SET VTAM OPEN or CEMT SET VTAM OPEN). The domain that detected the original error provides an exception trace, a console message, and depending on the options specified in the dump table, a system dump.

System Action: The task is abnormally terminated with a CICS transaction dump. The VTAM ACB is closed.

User Response: Use the dump, the trace and the console message to diagnose and correct the original error. Retry the command when the earlier error is resolved.

Module: DFHZSLS

ATC1

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ATC1.

System Action: CICS writes a transaction dump for the terminal control restart task.

CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and one, DFH1001, to say that the task has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHTCRP

ATC2

Explanation: A CICS SET VTAM OPEN command has failed due to VTAM rejecting a CICS request.

System Action: The explanatory message DFH2302, DFH2304 or DFH2307 is sent to the console, and CICS terminates the transaction abnormally with a transaction dump.

User Response: The RPL with the VTAM request code and return code can be found in the RA pool addressed from TCTVRVRA. Use the *VTAM Programming* manual, to determine the cause of the error and the actions necessary to correct it. After correcting the error, either retry the request or terminate CICS and restart the network in your own time.

Module: DFHZSLS

APAR PQ27702

ATC3

Explanation: A write to a TLX device was issued with a data length of zero, or there was an error when trying to issue a DCE security attach FMH5.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response:

For an error writing to a TLX device correct the error in the user program by ensuring that a data length for data to be placed in the terminal input/output area (TIOA) is provided at write time.

For an error trying to issue a DCE security attach FMH5 use the dump to ascertain why the FMH5 could not be issued correctly. This may be a CICS system problem.

Modules: DFHZARL DFHZARQ DFHZGXA

ATC4

Explanation: A serious CAVM error has occurred. The XRF TCB has abended.

System Action: CICS abnormally terminates with a system dump.

User Response: Use the dump and the guidance in any messages issued by other system components to diagnose and correct the original error.

See the *CICS/ESA Problem Determination Guide* for further guidance on using system dumps.

Module: DFHTCRP

ATC5

Explanation: An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match the state which is jointly maintained by DFHETL and DFHZARM.

This problem could also arise when CICS is receiving application data. CICS may receive and end of chain notification before receiving all the data expected.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

ATC6

Explanation: DFHETL has a SEND DATA request with a data length greater than 65528 bytes which is the maximum that it can process.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

ATC7

Explanation: DFHZSUP has detected a bad response from an INITIAL-CALL request to DFHZARL. This response is returned to DFHZSUP in the DFHLUC parameter list.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine field LUCCDRCD in the DFHLUC parameter list. This appears in the ENTRY/EXIT trace points for DFHZARL. If trace is switched off, then it can be found in DFHZSUP's LIFO entry in the transaction dump.

- LUCCDRCD = 'A0000100' - session failure
- LUCCDRCD = 'A0010100' - read timeout
- LUCCDRCD = 'A0010000' - deadlock timeout.

(The offset for LUCCDRCD can be found in *CICS/ESA Data Areas*).

If LUCCDRCD is X'00000000', the error is the result of a connection failure. In this case examine the CSMT log for further diagnostic information.

Module: DFHZSUP

ATC8

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

Module: DFHETL

ATC9

Explanation: A DFHKC RESUME macro call has been issued for a task without first issuing DFHKC SUSPEND. DFHKC RESUME must be preceded by DFHKC SUSPEND.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace entry to locate the error.

Module: DFHZNCE

ATDD

ATDD

Explanation: The transaction attempted to access a transient data destination that is disabled. (The master terminal operator can control the status of the destination.)

This abend cannot be issued by this release of CICS. It can only be issued by a connected CICS system.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check with the master terminal operator why the destination is disabled.

Module: DFHTDP

ATDI

Explanation: DFHTDP does not support the type of destination that is indicated by the DCT entry for the requested destination. Either DFHTDP has been assembled without support for this destination type, or the DCT entry had been overwritten. Valid types are X'10' (remote), X'20' (indirect), X'40' (extrapartition), and X'80' (intrapartition).

Note: This abend cannot be issued by this release of CICS. It can only be issued by a connected CICS system.

Problem Determination: This abend is issued at only one place in DFHTDP, following label TDEATR. A transaction dump is provided. In the dump, register 12 addresses the TCA and register 13 the CSA. Register 3 addresses the DCT entry (which is not printed in a transaction dump). The destination ID is in TCATDDI.

R3=@DCT entry

TDDCTDT contains the destination type:
TDEXTRBM (X'40') - extrapartition
TDINDTBM (X'80') - intrapartition
TDINDBM (X'20') - indirect
TDRMTBM (X'10') - remote

TDDCTIDI contains the address of the DCT entry of the indirect destination if bit TDINDBM is set in field TDDCTDT.

Analysis: The destination type is always tested for remote. Abend AISM is issued if the type is remote, because remote requests are permitted only at the command level, which does not invoke DFHTDP locally.

The destination type is tested for intrapartition only if DFHTDP contains support for intrapartition destinations, and for extrapartition only if DFHTDP contains support for extrapartition destinations. For indirect destinations, the address at TDDCTIDI is followed and the appropriate tests are performed on the final target destination. If the destination type is not one of those for which a test is made, the ATDI abend is issued.

Register Label Description

Register	Label	Description
R3=@DCT entry	TDIDER	TDDCTDT does not contain any of the bits TDEXTRBM (extrapartition type), TDINDTBM (intrapartition type), TDRMTBM (remote type, or TDINDBM (indirect type), which this version of DFHTDP tests for.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the destination type by looking at the DCT assembly listing. If the type is indirect, follow the destination

pointed to until a non-indirect destination is found. Check that DFHTDP has been generated with support for that destination type.

Determine the destination type by looking at the DCT assembly listing. If the type is indirect, follow the chain of indirect destinations until a non-indirect destination is found. Check that DFHTDP has been generated with support for that destination type.

If it is suspected that the DCT entry has been overwritten, examine the trace table to find a recent execution of a transaction that might have overwritten the DCT entry. If necessary, restart CICS and use trace or auxiliary trace to obtain a sufficiently large trace table. The auxiliary trace data set may be printed using the DFHTU410 trace utility program.

Reproduce the error and use the master terminal command to take a snap dump (CEMT PERFORM SNAP). Examine the DCT in the dump and try to identify the code in error from the data overwriting the DCT entry.

Module: DFHTDP

ATDL

Explanation: An error was detected by journaling, which was called by DFHTDP to log a DCT entry image to support recovery of an intrapartition queue with physical recovery (DESTRCV=PH on DFHDCT macro). This abend can occur only when DFHTDP has intrapartition and recovery support, and the destination in the DFHTD request has physical recovery specified.

This abend cannot be issued by this release of CICS. It can only be issued by a connected CICS system.

Problem Determination: When this abend is issued, the CSA is addressed by register 13 and the TCA of the abending transaction is addressed by register 12.

The abend occurs in module DFHTDP on encountering an abnormal response from DFHJCP for a DFHJC TYPE=PUT request. The condition is detected at one place in DFHTDP, in routine TDPRLR, which issues the journal request and abends if NORESP is not returned.

Relevant fields in the JCA are:

JCATR1 Request type byte 1 X'03' PUT.

JCAJCRC Response byte (see under Analysis for abnormal response codes).

JCAJRTID Journal record type ID (2 bytes) (Copybook DFHFIMIDS defines the codes).

Set near label	Byte	Value	Value	Function
TDGLRAF	1	FIDTDPRL	X'83'	QZERO detecting while getting
TDPIEI	1	FIDTDPGT	X'82'	GET
TDWDBL	1	FIDTDPLP	X'81'	first PUT
TDPGRAE	1	FIDTDPLG	X'84'	PURGE
TDPRLR	2	MODITD	X'12'	identifies TDP
JCAJFID				Journal file ID byte (system log = X'01')
JCAECN				Event control number (4 bytes)
JCALDATA				Length of DCT entry = X'0054' (2 bytes)
JCAADATA				Address of DCT entry

The log routine TDPRLR in DFHTDP will have been called from one of four places in DFHTDP. Register 9 is the link register to this routine.

Information about the original transient data request can be found in the trace table. At the time of the abend, register 3 is addressing the DCT entry for the associated queue. However, the DCT entry is not printed in the transaction dump.

Analysis: Determine the abnormal response code from the journal control request by examining the JCA in the transaction dump.

Register	Label	Description
R8=@JCA	JCAJCRC = X'01'	IDERROR Journal ID not in JCT
	X'02'	INVREQ Invalid request type
	X'05'	NOTOPEN Journal not available
	X'06'	LERROR Record length error
	X'07'	IOERROR Output I/O error

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the log record could not be written correctly.

If the abnormal response code in the JCA indicates a possible error in the JCT, for example, IDERROR or LERROR, check that the JCT entry for the system log is both present and correct. If NOTOPEN is indicated, this may be for one of several reasons, the most likely being (1) that OPEN=DEFERRED was specified in the JCT entry for the system log and no attempt has been made by the user to open the data set during execution by issuing a DFHJC TYPE=OPEN macro, or (2) that OPEN=INITIAL was in effect but a DFHJC TYPE=CLOSE macro has been issued subsequently against the journal. The trace table may help in establishing why the journal file has become unavailable.

If either INVREQ or LERROR is indicated and the JCT entry for the journal appears to be correct, suspect either a storage overwrite or a problem in DFHTDP or DFHJCP. If IOERROR is indicated, an irrecoverable I/O error has occurred on output to the journal data set and this is indicated by message DFHJC4513 sent to the operator's console.

Module: DFHTDP

ATDT

Explanation: The transient data program DFHTDP has found an invalid request code in field TCATDTR.

Note: This abend cannot be issued by this release of CICS. It can only be issued by a connected CICS system.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the application program for a valid transient data request at the point of request. Also, check whether DFHTDP was generated with the options required to support the service requested.

Module: DFHTDP

ATDY

Explanation: Transient data initialization has failed. A console message, DFH12xx, gives the reason for the failure.

System Action: Transient data initialization terminates abnormally. This abend is always followed by an ATDZ abend for the failing function, and by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which prompts you to reply GO or CANCEL.

User Response: See the associated console message for information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

Module: DFHTDRP

ATDZ

Explanation: A CICS function invoked by transient data initialization has failed. If the failing function is a transient data routine, this abend is preceded by a console message and an ATDY abend.

System Action: Transient data initialization terminates abnormally. This abend is always followed by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which asks you to reply GO or CANCEL.

User Response: Refer to the associated console message for further information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

Modules: DFHTDP, DFHTDRP

ATD3

Explanation: The task was purged before a GETMAIN request to storage manager (SM) domain was able to complete successfully. domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHTDP

ATD4

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHTDP

ATFE

Explanation: A FREEMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

System Action: CICS abnormally terminates the task with a transaction dump.

User Response: Use the dump and any associated messages issued by the storage manager to investigate the FREEMAIN failure.

Module: DFHTOUT1

ATGE

Explanation: A GETMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

System Action: CICS abnormally terminates the task with a transaction dump.

User Response: Use the dump and any associated messages issued by the storage manager to investigate the GETMAIN failure.

Module: DFHTOUT1

ATMA

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHTMP

ATMB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHTMP

ATNA

Explanation: A terminal operator entered the transaction identification for NACP.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not reenter the NACP transaction identification (CSNE).

Module: DFHZNAC

#

APAR PQ25851

ATNB

Explanation: The application program has issued a terminal control request for a terminal for which a previous request was terminated with an abend AZCT, because of a read timeout condition. The terminal control blocks are not in a fit state to allow a new request to be processed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Change the application program to issue an abend when handling an abend AZCT.

Module: DFHZARQ

ATND

Explanation: The node error program (NEP) or NACP decides that a task should abnormally terminate, but the task is at a critical point of processing and immediate termination would put the integrity of the system at risk.

System Action: The task is abnormally terminated with a CICS transaction dump when the task next requests any action against the terminal, or issues a sync point request involving the terminal.

User Response: Check destination CSMT for possible further information. Use the dump to determine why the task was abnormally terminated by NEP.

Modules: DFHZARQ, DFHZARL, DFHZSUP

ATNI

Explanation: There are two forms of this abend:

VTAM form

The node error program (NEP) or NACP decides the task should be abnormally terminated. DFHZNAC informs the request module to abend the transaction after the TC unit has completed.

Non-VTAM form

The terminal error program (TEP) or terminal abnormal condition program (TACP) decides the task should be abnormally terminated. DFHTACP informs DFHZARQ to abend the transaction after the TC unit has completed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This usually occurs when, due to a hardware failure, a network device rejects the data stream sent to it. The device itself may indicate an error code that will give a specific reason for the rejection. Check the CSMT log for further information.

This abend can also result from an error in a connected system such as a mirror transaction abend.

- + Abend ATNI can occur if a user application does not correctly
- + handle an error return code from an external resource manager,
- + such as DB2.

For the NEP (VTAM) form, run a VTAM trace type=BUF for the logical unit and repeat the error.

For the TEP (non-VTAM) form, run a link trace for the line or local channel address for the device.

Examine the data stream and error response to determine the cause of the error.

This type of error occurs if the definitions in the TCT do not match the attributes of the actual device.

Modules:

- + Abend ATNI can also occur if a user application does not correctly
- + handle an error return code from an external resource manager,
- + such as DB2. DFHZARL, DFHZARM, DFHZARQ, DFHZRAQ, DFHZSUP

ATOA

Explanation: You have attempted to invoke the CESC transaction with a terminal as principal facility. This is not allowed.

System Action: CICS terminates the CESC transaction. No dump is produced.

User Response: Ensure that the CESC transaction is not run against a terminal.

Module: DFHCESC

ATOB

Explanation: CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CESC) request. This is caused by an internal error.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOC

Explanation: CICS has received an abnormal response from a request to DFHZCUT to timeout a local userid table (LUIT). This is caused by an internal error in DFHZCUT.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOD

Explanation: CICS has received an abnormal response from an EXEC CICS CANCEL TRANSACTION(CESC) request.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOE

Explanation: CICS cannot determine the time at which an XRF takeover began.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOF

Explanation: CICS has received an abnormal response from an EXEC CICS DELAY TRANSACTION(CESC) request.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOG

Explanation: CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CEGN) request. This is caused by an internal error.

System Action: CICS terminates the CEGN transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOH

Explanation: An attempt has been made to invoke the CESC transaction with an invalid function code. The CESC transaction should only be invoked by CICS. Valid codes are TERM_TIMEOUT, XRF_TIMEOUT, and ENABLE_TIMEOUT.

The most likely cause of this error is an invalid attempt by a user to invoke CESC.

System Action: CICS terminates the CESC transaction with a transaction dump.

User Response: Determine how CESC was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOT

Explanation: An error has occurred in the invocation of the CEGN transaction. CEGN has issued an EXEC CICS RETRIEVE command to retrieve the CEGN parameter list. Either the EXEC CICS RETRIEVE command has failed or it has succeeded but the retrieved data is invalid.

The most likely cause of this error is an invalid attempt by a user to invoke CEGN (for example, from a terminal or via an EXEC CICS START request).

System Action: CICS terminates the CEGN transaction with a transaction dump.

User Response: Determine how CEGN was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATOU

Explanation: The CEGN transaction has attempted to issue an EXEC CICS RETURN but the command has failed.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATOV

Explanation: The CEGN transaction has attempted to issue an EXEC CICS GETMAIN, ASSIGN, or SEND but the command has failed.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATPA

Explanation: An error occurred when trying to estimate the length of a CICS message owned by the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPR.

ATPB

Explanation: An error occurred when trying to retrieve a CICS message from the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPR.

ATPC

Explanation: An error occurred when trying to estimate the length of a CICS message owned by the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPQ.

ATPD

Explanation: An error occurred when trying to retrieve a CICS message from the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPQ.

ATPE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another

possibility is to increase the value of the DTIMOUT option for the transaction.

Modules: DFHTPQ, DFHTPR.

ATPF

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Modules: DFHTPQ, DFHTPR.

ATRA

Explanation: The field engineering global trap exit program, DFHTRAP, requested task abnormal termination. However, the currently active task was **not** a system task (for example, journal control or task dispatcher) and it was not about to abend.

System Action: CICS disables the trap exit so that it will not be reentered, and terminates the currently active task abnormally.

User Response: This is a user-requested task abend.

If you want to use the trap again, you must reactivate it as follows:

CSFE DEBUG,TRAP=ON

You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHTRP

ATSA

Explanation: The CICS temporary storage restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminates itself with code ATSA.

System Action: CICS writes a transaction dump for the temporary storage restart task.

CICS sends two messages to the console, one to identify the error detected by the temporary storage restart task, and one, DFHTS1313, to say that temporary storage restart has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, MVS).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without support for temporary storage. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHTSRP

ATSB

Explanation: An attempt to use temporary storage has failed because the temporary storage restart task failed.

System Action: The transaction trying to use temporary storage terminates abnormally with a CICS transaction dump.

User Response: Temporary storage restart has failed with abend ATSA and associated DFH messages. See the description of that code for guidance in solving the temporary storage problem.

Module: DFHTSP

ATSC

Explanation: The task was canceled during execution of a temporary storage command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was canceled. The task has been canceled by the master terminal operator or automatically by either the deadlock timeout (DTIMEOUT) mechanism or the read timeout (RTIMEOUT) mechanism.

Module: DFHTSP

ATSD

Explanation: An INVALID or DISASTER response was received from a request to the Dispatcher (DS) Domain.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which lead to the response from DS. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHTSP

ATSL

Explanation: An error was detected by journaling, which was called by DFHTSP to log a before-image of updated data to support recovery of temporary storage data having an identifier defined as recoverable in the TST with a DFHTST TYPE=RECOVERY macro.

Problem Determination: When this abend is issued, the CSA is addressed by register 13 and the TCA of the abending transaction is addressed by register 12.

The abend occurs in module DFHTSP on encountering an abnormal response from DFHJCP to a DFHJC TYPE=PUT request. The condition is detected at one place in DFHTSP, after label TSP178, where the journal request is issued, and the abend occurs if NORESP is not returned.

Relevant fields in the JCA are:

JCATR1	Request type byte 1 X'03' PUT
JCAJCRC	Response byte (see under Analysis for abnormal response codes)
JCAJRTID	Journal record type ID (2 bytes). Copybook DFHMIDS defines the codes. Expected value is X'C013' (TSP update log)
JCAJFID	Journal file ID byte (X'01' for system log)
JCAECN	Event control number (4 bytes)
JCALDATA	Length of data (2 bytes)
JCAADATA	Address of data

ATSP

A simple way of finding the point of invocation of journal control from DFHTSP is by scanning the CICS trace table for the trace entry corresponding to the last journal control request from the current transaction.

Information about the original temporary storage request can be found in the TCA at locations TCATSTR and TCACCSV1 or, alternatively, from the trace table.

Analysis: Determine the abnormal response code from the journal control request by examining the JCA in the transaction dump.

Register	Label	Description
R1=@JCA	TSP178	JCAJCRC=X'01' IDERROR (journal ID not in JCT)
		JCAJCRC=X'02' INVREQ (invalid request type)
		JCAJCRC=X'05' NOTOPEN (journal not available)
		JCAJCRC=X'06' LERROR (record length error)
		JCAJCRC=X'07' IOERROR (output I/O error)

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The dump can be used to ascertain why the log record could not be written correctly.

If the abnormal response code in the JCA indicates a possible error in the JCT, for example, IDERROR or LERROR, check that the JCT entry for the system log is both present and correct. If NOTOPEN is indicated, this may be for one of several reasons, the most likely being (1) that OPEN=DEFERRED was specified in the JCT entry for the journal file and no attempt has been made by the user to open the data set during execution by issuing a DFHJC TYPE=OPEN macro, or (2) that OPEN=INITIAL was in effect but a DFHJC TYPE=CLOSE macro has been issued subsequently against the journal. The trace table may help in establishing why the journal file has become unavailable.

If either INVREQ or LERROR is indicated and the JCT entry for the journal appears to be correct, suspect a problem in DFHTSP or even DFHJCP. If IOERROR is indicated, an unrecoverable I/O error has occurred on output to the journal data set and this is indicated by message DFHJC4513.

Module: DFHTSP

ATSP

Explanation: A task issued a PUT or a PUTQ request to a recoverable temporary storage data identification (DATAID) and either:

1. The DATAID is currently in use as a symbolic reference to a single unit of temporary storage data, **or**
2. The task previously issued a PURGE of the data referenced by this DATAID and has not synchronized.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Depending on the cause of the abend (see Explanation), either:

1. Correct the application to avoid issuing multiple PUT requests to the same recoverable DATAID, **or**
2. Correct the application to avoid issuing a PUT(Q) request to a recoverable DATAID in a logical unit of work in which that DATAID has already been PURGED.

Module: DFHTSP

ATSQ

Explanation: A move of data to or from temporary storage has failed. The probable reason is that the size of the area being passed to CICS is inconsistent with the data length being used.

System Action: The transaction is abnormally terminated with a CICS transaction dump. If the abend occurs in DFHTSP, a CICS system dump is taken and message DFHTS1379 is issued to the CICS console.

User Response: Identify the failing temporary storage request in the application and verify whether the length supplied on the request agrees with the data area size. Correct the application as appropriate.

Note: If the error occurs in DFHTSP and not in DFHETS, there is probably an internal logic error in temporary storage. In this case you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHTSP, DFHETS

ATSS

Explanation: A program check has occurred in the DFHVSP VSAM/BSAM subtask while it was processing a VSAM request on behalf of the temporary storage control program, DFHTSP.

Problem Determination: Two task abend control blocks are anchored from TCAPCACB (TCA system area offset X'C8'). One is created by the ATSS abend in DFHTSP, and the other by the abend in DFHVSP. The two TACBs are distinguished by the program name, which is the application name or DFHVSP.

Analysis: A program check occurred in the DFHVSP VSAM/BSAM subtask.

Register	Description
R11=@VSWA	Address of the failing VSWA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer. Find the address of the failing instruction from the PSW in the DFHVSP TACB. DFHVSP should be loaded into protected storage, and it is therefore unlikely that the code is corrupted. The cause of failure is probably in the VSWA (for example, incorrect data, or an incorrect pointer).

Module: DFHTSP

ATST

Explanation: An unexpected error was returned from a DFHTSUT subroutine call. The DFHTSUT subroutine is used to maintain a directory of the temporary storage queues in the system. The error was detected when adding, deleting, or locating an entry in the directory.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHTSP

APAR PQ16171
New abend code ATSU

ATSU

Explanation: An I/O error occurred while a task was attempting to write to the temporary storage data set during syncpoint processing.

System Action: The transaction is abnormally terminated with a transaction dump. Messages DFHTS1301 and DFHME0116 may also be written to the console.

User Response: This could be a hardware error or a case of the volume assigned to the temporary storage data set being offline. Either correct the hardware error or put the volume back online.

Module: DFHTSP

ATUF

Explanation: Insufficient space exists to build the parameter list for the DYNALLOC SVC.

System Action: The task is abnormally terminated and a dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFH99KO

AUEP

Explanation: The task has been abnormally terminated because a return code of UERCPURG has been sent to the User Exit Handler by a User Exit Program. The value of UERCPURG is defined by the macro DFHUEXIT TYPE=EP, ID=xxxxxxx, where xxxxxxx is the exit point by which the exit program is enabled. This code does not apply to exit points in domains. The exit program returns this value when it has made a request for CICS services using the exit programming Interface (XPI) and when the XPI call has had a RESPONSE code of PURGED. Exit programs must not set UERCPURG return code under any other circumstance.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Refer to the *CICS/ESA Customization Guide* for the use of this return code.

Module: DFHUEH

APAR PQ03501
Web Interface messages added

AWBD

Explanation: The CICS Web Interface connection manager detected a logic error.

System Action: Message DFHWB1540 is written to the CWBO destination.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBC42

AWBF

Explanation: The CICS Web Interface alias detected an error in its initialization. The alias was not started by EXEC CICS START, or there was an error in the EXEC CICS RETRIEVE command for the start data.

System Action: If there is an error in EXEC CICS RETRIEVE, message DFHWB0103 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: If the alias was not started by EXEC CICS START, check if it is being started from a terminal. This is not allowed. Otherwise, see the associated message for guidance.

Module: DFHWBA

AWBG

Explanation: The CICS Web Interface alias detected an error in its global work area.

System Action: Message DFHWB0104 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: See the associated message for guidance.

Module: DFHWBA

AWBH

Explanation: The CICS Web Interface alias detected a logic error.

System Action: An exception trace entry A10E is written. Message DFHWB0106 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBI

Explanation: The CICS Web Interface alias received an unexpected response from EXEC CICS ASSIGN STARTCODE

System Action: An exception trace entry A103 is written. Message DFHWB0102 is written to the CWBO destination.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBA

AWBJ

AWBJ

Explanation: The CICS Web Interface alias received an unexpected response when it switched to the RP TCB.
System Action: An exception trace entry A10D is written. Message DFHWB0105 is written to the CWBO destination. A transaction dump is taken.
User Response: See the associated message for guidance.
Module: DFHWBA

AWBK

Explanation: The CICS Web Interface alias detected an abend in the converter or the CICS program servicing the request.
System Action: An exception trace entry A105 is written. Message DFHWB0108 is written to the CWBO destination.
User Response: Use related diagnostics to determine the user response.
Module: DFHWBA

AWBL

Explanation: The CICS Web Interface alias detected an error in an EXEC CICS LINK command for program DFHWBA1.
System Action: An exception trace entry A102 is written. Message DFHWB0100 is written to the CWBO destination. A transaction dump is taken.
User Response: See the associated message for guidance.
Module: DFHWBA

AWBM

Explanation: The CICS Web Interface alias detected an error response from program DFHWBA1.
System Action: Message DFHWB0101 is written to the CWBO destination. A transaction dump is taken.
User Response: See the associated message for guidance.
Module: DFHWBA

AWBQ

Explanation: The CICS Web Interface program DFHWBA1 detected an error in its parameter list.
System Action: An exception trace entry A11F is written. Message DFHWB0124 is written to the CWBO destination. A transaction dump is taken.
User Response: See the associated message for guidance.
Module: DFHWBA1

AWBR

Explanation: The CICS Web Interface program DFHWBA1 detected a logic error.
System Action: An exception trace entry A117 is written. Message DFHWB0123 is written to the CWBO destination. A transaction dump is taken.
User Response: Use related diagnostics to determine the user response.

Module: DFHWBA1

AWBU

Explanation: The CICS Web Interface connection manager could not get storage to send a message to the terminal.
System Action: Processing continues.
User Response: Use related diagnostics to determine the user response.
Module: DFHWC01

AWBV

Explanation: The CICS Web Interface connection manager detected an error response on EXEC CICS DEQ.
System Action: An exception trace entry 9EC4 is written. Message DFHWB1651 is written to the CWBO destination.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.
Module: DFHWC04

AWBX

Explanation: The CICS Web Interface connection manager was started against an invalid terminal type.
System Action: An exception trace entry 9E07 is written. Message DFHWB1522 is written to the CWBO destination.
User Response: See the associated message for guidance.
Module: DFHWC01

AWBZ

Explanation: The CICS Web Interface connection manager detected a NOTAUTH response to EXEC CICS EXTRACT EXIT.
System Action: Message DFHWB1902 is written to the CWBO destination.
User Response: See the associated message for guidance.
Module: DFHWC0B

AWB1

Explanation: The CICS Web Interface encountered an error in the server controller task while attempting to enable.
System Action: Message DFHWB0510 and other messages describing the error are written to the CWBO destination.
User Response: See the associated messages for guidance.
Module: DFHWBM

AWB2

Explanation: The CICS Web Interface encountered an error in the server controller task while attempting to disable.
System Action: Message DFHWB0513 and other messages describing the error are written to the CWBO destination. The server controller performs exception disable processing.
User Response: See the associated messages for guidance.
Module: DFHWBM

AWB3

Explanation: The CICS Web Interface encountered an error when trying to determine how the server controller was started.

System Action: The CICS Web Interface is not enabled.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBM

AWB4

Explanation: The CICS Web Interface server controller was invalidly started.

System Action: The server controller does not start.

User Response: Do not attempt to start the server controller from a terminal or with CECI. The server controller should be started only by the connection manager as part of CICS Web interface enable processing.

Module: DFHWBM

AWB7

Explanation: The CICS Web Interface environment variables program was invoked, but the task number of the invoking task was zero.

System Action: The program writes an exception trace point A302.

User Response: Determine how the environments program was invoked. The task number should not be zero. This suggests a storage overwrite or a serious error in the calling application program.

Module: DFHWBENV

AWB9

Explanation: The CICS Web Interface connection manager failed for lack of storage.

System Action: A transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBC01

| AWKY

| **Explanation:** A request to GET, PURGE, or WRITE a record using the global catalog during warm keypointing has failed.

| **System Action:** The task is abnormally terminated with a CICS transaction dump.

| **User Response:** Check for problems with the global or local catalog. See any DFHCCnnnn messages issued by the CICS catalog domain for further guidance.

| **Module:** DFHWKP

| AWKZ

| **Explanation:** A request to take a keypoint for the automatic AIDs chain has failed. This is caused by a catalog write error.

| **System Action:** The task is abnormally terminated with a CICS system dump.

| **User Response:** Check for problems with the global or local catalog. See any DFHCCnnnn messages issued by the CICS catalog domain for further guidance.

| **Module:** DFHWKP

AXFA

Explanation: The key length for a file control request that is to be sent to a remote system has to be obtained from the file control table, and has proved to be zero.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the key length has been defined either in the remote file definition that is being used, or as a length option from the application program that is using it.

Module: DFHXFP

AXFB

Explanation: An unacceptable function management header (FMH) type has been found. It must be type 05, type 06, or type 43.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFC

Explanation: The request passed to the data transformation program is unknown to CICS. This abend can also occur in an MRO/IRC system as a result of an invalid EXEC CICS START request issued from the user's node error program (DFHZNEP).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the *CICS/ESA Customization Guide* for restrictions on the use of EXEC CICS commands from within an NEP. If this is not the cause of the abend, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFD

Explanation: The request that is passed to the data transformation program cannot be sent to a remote system; for example, a storage control request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFE

AXFE

Explanation: The transformation requested does not exist; for example, a DL/I schedule reply is not recognized by the outbound request processor in the data transformation program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFF

Explanation: An unacceptable queue organization has been found in a queue model function management header (FMH).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFG

Explanation: An unacceptable argument number has been found in the data following a function management header (FMH) of type 43.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFH

Explanation: The argument number in the data following a function management header (FMH) of type 43 is acceptable, however, the argument itself is not expected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFI

Explanation: The data length for a WRITEQ TD or READQ TD, which is determined from the destination control table, is zero. The abend can also occur when determining the length for file control requests from the file control table.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFJ

Explanation: The error code held in UIBFCTR and UIBDLTR cannot be converted to an equivalent SNA error code.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFK

Explanation: An attempt is being made to ship a DL/I request, but this version of the data transformation program does not contain DL/I support.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Reassemble DFHXFP to include DL/I support.

Module: DFHXFP

AXFL

Explanation: Transformers 2 and 4 expect to receive a function management header (FMH), possibly followed by user data. A null chain of data has been received.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFM

Explanation: The ISCVNREQ condition has been raised. This can happen when the resource proves to be on yet another remote system, that is, when daisy-chaining is active.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that daisy-chaining of requests is intended and that all relevant intersystem links are in service.

Module: DFHXFP

AXFO

Explanation: The check on the DS and DBA parameters in an attach function management header (FMH) has failed. This abend represents a user error resulting from a mismatch in the system definitions for both ends of an intersystem link.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFP

Explanation: CICS requires a second function management header (FMH) to follow an attach FMH. No second FMH was received.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFQ

Explanation: Either the function management header (FMH) just received is too short or too long to be a valid FMH, or an expected FMH is not present.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the transaction profile parameter, INBFMH, is set to ALL. If communicating across a distributed program link, ensure that the requested function is supported on the partner system.

Module: DFHXFP

AXFR

Explanation: The CICS command level interface imposes a maximum length of 32 767 for data. The length of the data just received exceeds this limit.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFS

Explanation: A PSB has been scheduled successfully. However, the maximum possible length of an I/O area exceeded 65 535. This abend is likely to occur if path calls are used to retrieve large segments, and/or if FLS causes excessive expansion of segments.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFT

Explanation: An estimate of the size of the output I/O area has been made, and it exceeds the maximum possible size of 65 535.

Note: While the estimated size may exceed the actual size, the difference will only be a few bytes.

This abend is likely to occur if a database calls, inserts, or replaces multiple segments, and many qualified segment search arguments are specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFU

Explanation: A two-level cursor is present in a function management header (FMH) relating to a linear (temporary storage) queue. However, these cursors are valid only for hierarchical queues that are not supported by CICS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFV

Explanation: CICS has been started up with DL/I support, and an attempt is being made to access a local database. However, this version of the data transformation program does not contain DL/I support for local databases.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Reassemble DFHXFP to include DL/I support for local databases.

Module: DFHXFP

AXFW

Explanation: An invalid length specification has been given in a CICS command-level request corresponding to one of the data variables.

The CICS-architected FMH is followed by zero or more self-describing data variables for each parameter specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for an invalid or zero length specified in a CICS command-level request, or for data truncation in a user-written node error program (NEP).

Module: DFHXFP

AXFX

+ **Explanation:** A function shipping request by an APPC link failed.

+ **System Action:** CICS terminates the task abnormally.

+ **User Response:** Check that the request was directed to the correct remote system, and that the remote system is set up correctly.

Module: DFHXFP

AXFY

Explanation: An APPC conversation failure has occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXFP

AXFZ

AXFZ

Explanation: A SETS, ROLS, or POS DL/I request has been function shipped and the remote task is currently scheduled to a local PSB. Function shipping of these requests is not supported for local DL/I.

System Action: The task is abnormally terminated with a transaction dump.

User Response: The PSB must be migrated to use IMS/ESA DBCTL.

Module: DFHXFP

AXF0

Explanation: A task has been purged due to lack of storage in a dynamic storage area (DSA).

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, consider increasing the size limit of the CICS DSAs. You can vary the DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command.

Module: DFHXFP

AXF1

Explanation: The storage manager module, DFHSMGF, has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF2

Explanation: A task has been purged due to lack of storage in the DSA.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, increase the size of the dynamic storage area using the DFHSIT DSA parameter.

Module: DFHXFP

AXF3

Explanation: The storage manager module DFHSMMC has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF4

Explanation: The task was purged before a GET_BUFFER request to the EXEC interface service routines module (DFHEISR), was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXFX

AXF5

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the EXEC interface service routines module(DFHEISR). The domain that detected the original error provides an exception trace, a console message, and possibly, a system dump (depending on the options specified the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHXFX

AXMA

Explanation: An error has occurred obtaining a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked which issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMMA, DFHMXMD, DFHMXME

AXMB

Explanation: An error has occurred releasing a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMTA, DFHXMxD, DFHXMxE

AXMC

Explanation: An severe error has occurred allocating a unique transaction number to a new transaction.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMxE

AXMD

Explanation: An attempt has been made to run the CICS internal task CSXM as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSXM as a user transaction.

Module: DFHXMAB

AXMY

Explanation: During transaction attach an unexpected error occurred obtaining transaction class membership.

System Action: The transaction is no longer considered for class membership. It is then abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine why the transaction failed to obtain membership of its transaction class.

Module: DFHXMAT

AXMZ

Explanation: A serious failure in another component has been detected by the transaction manager domain.

System Action: The task in control is abnormally terminated with a transaction dump. Further diagnostics should have been taken by the failing component.

User Response: Look for earlier messages identifying the source of the problem. Refer to the descriptions of these messages for further guidance.

Module: DFHXMTA

AXSA

Explanation: The CICS security control task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AXSA.

System Action: CICS writes a transaction dump for the security control restart task.

CICS sends messages to the console, one to identify the error detected by the security control task, and, if the error occurred during initialization, one to say that security initialization or CEMT PERFORM SECURITY REBUILD has failed. A third message

follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without support for the external security manager. CICS security still operates. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHXS MN

AXSC

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXS MN

AXSD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHTCRP

AXTA

Explanation: The calculation of the length of data to be shipped has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTB

AXTB

Explanation: An attempt to obtain a TIOA to ship data has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTC

Explanation: An attempt to transform data ready for shipment has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTD

Explanation: No TIOA received message was received from a remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTE

Explanation: Incorrect data was received from a remote system. The data was not long enough.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTF

Explanation: No relay process function management header (FMH) was received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTG

Explanation: Transformation of data received from remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the reason for failure of the transformation process was not incorrect definition of the remote terminal. In particular check that the user area length specified for the terminal is the same in both local and remote systems. If the terminal definitions are correct, you need further assistance to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTH

Explanation: An attempt to locate terminal identifier failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTI

Explanation: The major request byte LUCOPN0 of the DFHLUC parameter list specified to the transaction-routing transformer is invalid, or corresponds to a request that is not shipped to a remote system. The parameter list will be found in the dynamic storage of XTP's caller and may be located using the output from auxiliary trace.

System Action: The task is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTJ

Explanation: An unexpected combination of bit settings in the fields XTSSTAT and XTSTCOPC in the parameter list of the transaction-routing transformer was made.

System Action: The task is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTK

Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXTP

AXTL

Explanation: The processing of APPC mapped data requires the generation of an APPC attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the command CEMT INQUIRE CONNECTION to do this. See the *CICS/ESA Intercommunication Guide* for more details of the exchange lognames process.
- The correct sync level has been requested.

Module: DFHXTP

AXTM

Explanation: An attempt has been made to route a message-protected transaction over an APPC link bound at sync level 1. The attempt has failed because such transactions can be routed only over an APPC link that has been bound at sync level 2.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If the transaction is to be routed to CICS OS/2 (which is bound at synclevel 1), remove the message protection option. If the transaction is to be routed to another host system and message protection is required, the link must be redefined so that it can be bound at synclevel 2.

Module: DFHXTP

AXTN

Explanation: Module DFHXTP detected that the application buffer chained off a TCTTE at offset TCTERCSA has a corrupted header. This is caused either by a CICS logic error or by a storage overwrite.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

AXTO

Explanation: An exception response has been returned to the DFHXTP module from the CICS security manager. Prior to the call to the CICS security manager, the DFHXTP module detected that a shipped terminal definition had preset security. DFHXTP then invoked the CICS security manager in order to perform a preset security signon for the userid sent with the shipped terminal information. It is this preset security signon attempt which failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User Response: The most likely cause of this abend is that the terminal being shipped to the application owning region (AOR) has preset security with a userid which is not valid in the AOR. To confirm this, check the associated DFHSNxxxx message on the CSCS transient data queue in the AOR which gives the precise reason for the failure of the preset security signon request. This could be the result of an unauthorized transaction routing request.

Module: DFHXTP

+

APAR PN68409

+ AXTP

+ Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from ASCII to EBCDIC for data coming from the client. However, the conversion failed.

+ System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNnnnn message to the transient data queue, CSCS.

+ User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ Module: DFHXTP

+ AXTQ

+ Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from EBCDIC to ASCII for data to be sent to the client. However the conversion failed.

+ System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNnnnn message to the transient data queue, CSCS.

+ User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

+ Module: DFHXTP

+ AXTR

+ Explanation: An exception response has been returned to the DFHXTP module from DFHPGLE FUNCTION(LOAD_EXEC) whilst trying to load EXEC program DFHCCNV.

+ System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNnnnn message to the transient data queue, CSCS.

AZAA

- + **User Response:** Examine the response and reason returned from DFHPGLE to determine why CICS was unable to call DFHCCNV.
- + **Module:** DFHXTP

AZAA

Explanation: A CICS logic error has occurred when CICS was attempting to flush application deferred data on an APPC mapped conversation. Application deferred data does not occur for APPC mapped conversations.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZAB

Explanation: DFHZARM has a SEND DATA request with a data length greater than 65528 bytes which is the maximum that it can process.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

+ AZAD

- + **Explanation:** DFHZCN1 has been started from an unexpected system. The CCIN transaction can only be issued by a client.
- + **System Action:** The transaction is abnormally terminated. Exception trace point AP3008 is written. Data1 holds the XMIQ start type.
- + **User Response:** Issue the CCIN transaction only from a client.
- + **Module:** DFHZCN1

+ AZAE

- + **Explanation:** DFHZCN1 was started from a terminal facility, but not an LU6.2 session. The CCIN transaction may only be issued by a client.
- + **System Action:** The transaction is abnormally terminated.
- + **User Response:** Issue the CCIN transaction only from a client.
- + **Module:** DFHZCN1

+ AZAF

- + **Explanation:** DFHZCN1 was started for transaction CCIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjunction with a DFHZC32nn message which explains the problem in more detail.
- + **System Action:** Exception trace point AP30xx is written. The transaction is abnormally terminated.
- + **User Response:** Look for a DFHZC32nn message on the console or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.

- + **Module:** DFHZCN1

+ AZAG

- + **Explanation:** DFHZCT1 has been started from an unexpected system. The CTIN transaction can only be issued by a client.
- + **System Action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP302A is written. Data1 holds the XMIQ start type.
- + **User Response:** Issue the CTIN transaction only from a client.
- + **Module:** DFHZCT1

+ AZAH

- + **Explanation:** DFHZCT1 was started from a terminal facility, but not an LU62 session. The CTIN transaction can only be issued by a client.
- + **System Action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP3032 is written. Data1 holds the principal facility address.
- + **User Response:** Issue the CTIN transaction only from a client.
- + **Module:** DFHZCT1

+ AZAI

- + **Explanation:** DFHZCT1 was started for transaction CTIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjunction with a DFHZC32nn message which explains the problem in more detail.
- + **System Action:** Exception trace point AP30xx is written. The transaction is abnormally terminated.
- + **User Response:** Look for a DFHZC32nn message on the console or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.
- + **Module:** DFHZCT1

+ AZAJ

- + **Explanation:** DFHZCN1 was started for transaction CCIN. However, the CCIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CCIN must be a local transaction and be run on a CICS region which is directly connected to a client.
- + **System Action:** Exception trace point AP3041 is written. The transaction is abnormally terminated.
- + **User Response:** Either use the default definitions for CCIN or ensure that it is defined as a local transaction.
- + **Module:** DFHZCN1

+ AZAK

- + **Explanation:** DFHZCT1 was started for transaction CTIN. However, the CTIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CTIN must be a local transaction and be run on a CICS region which is directly connected to a client.
- + **System Action:** Exception trace point AP3039 is written. The transaction is abnormally terminated.
- + **User Response:** Either use the default definitions for CTIN or ensure that it is defined as a local transaction.
- + **Module:** DFHZCT1

AZCA

Explanation: An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match that maintained jointly by DFHETL and DFHZARM.

The problem may also arise when CICS is assembling application data and receives end of chain before receiving all of the data that is expected.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCB

Explanation: CICS has received sense code X'088901xx' during APPC mapped processing. This should be followed by an error data GDS (generalized data stream) variable.

CICS has attempted to receive the error data. However this attempt has failed because no data has been received or because the data received is not for an CICS ISSUE ERROR of the correct length.

CICS expects the error data to indicate that the other system does not recognize GDS ID X'12F2' (function management data).

System Action: The task is abnormally terminated with a CICS transaction dump.

The erroneous GDS ID is returned to the remote system for further analysis there.

User Response: Check for session failure and for abend by the transaction in the other system.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCC

Explanation: The failing transaction has sent function management data to a transaction running in a system that does not provide support for application function management data.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the remote system can support application function management data.

Module: DFHZARM

AZCD

Explanation: An intersystem logic error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) does not match the length actually received. CICS determines the length of application data that is to be received from the LL fields and concatenation flags. However, CICS has not received all of the data that is expected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCE

Explanation: An intersystem error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) exceeds the CICS implementation limit of 32767 for receive and converse commands, or 65000 for CICS transaction routing and function shipping requests.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Reduce the amount of data that the transaction in the remote system is transmitting to CICS.

Modules: DFHETL, DFHZARM

AZCF

Explanation: An internal logic error has been detected during APPC mapped processing. An invalid request has been passed to DFHZARL.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCG

Explanation: An internal logic error has been detected during APPC mapped processing. DFHZARM expects the TCTTE passed to have been defined as APPC, TCTEILUC (TCTELUC) set on, and TCTEVCVT set to TCTEMAPD (to indicate a mapped conversation).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCH

Explanation: Sense code X'0889xxxx' has been received unexpectedly during the processing of APPC mapped data.

This represents a violation of the APPC architecture by the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCI

Explanation: The processing of APPC mapped data requires generation of an APPC attach function management header (FMH) with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions.
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the CEMT INQUIRE CONNECTION to do this. See the *CICS/ESA Intercommunication Guide* for details of the exchange lognames process.

Modules: DFHETL, DFHZARM, DFHZARQ

AZCJ

Explanation: An APPC structured field with GDS ID X'12F1' (null data) has been sent to a remote system that does not support the receipt of these fields. The remote system has responded negatively and has terminated the conversation.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The problem is in the remote system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCK

Explanation: An internal logic error has been detected during error recovery for APPC mapped processing. The conversation was being switched to RECEIVE state by an internal CICS SEND INVITE, but the conversation had already been FREEd by the partner.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCL

Explanation: CICS has received sense code X'088901xx' during APPC mapped processing. The generalized data stream (GDS) should contain a valid GDS identity in the error data but CICS does not recognize the value. The values recognized by CICS are:

```
X'12F1'    null data
X'12F2'    function management data
X'12FF'    application data.
```

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for session failure and for an abend by the transaction in the other system.

Module: DFHZARM

AZCM

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHZARM

AZCN

Explanation: The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZARM

```
# _____ APAR PQ11401 _____
# |                                     |
# | New abend code AZCO                |
# |_________________________________|
```

AZCO

Explanation: The VTAM persistent sessions initialization transaction CGRP has been started directly from a terminal. This is not permitted. This transaction can only be started internally by # CICS.

System Action: The transaction is abnormally terminated with a # transaction dump.

User Response: None.

Module: DFHZCGRP

AZCP

Explanation: A logic error has been detected in ZCP. An allocation request for a starting task cannot be satisfied.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSUP

AZCR

Explanation: A logic or protocol error has been detected during processing of an APPC SYNCPOINT ROLLBACK request. An attempt has been made to restore the conversation state to what it was after completion of the last successful unit of work. This saved state does not match flows received from the partner.

The problem arises during rollback in one of the following situations:

- The saved state is receive, and the partner sent change direction on the last flow, indicating that the partner expects CICS to be in send state
- The saved state is send, and the partner did not send the change-direction indicator on the last flow, indicating that the partner expects CICS to be in receive state.

System Action: The task is abnormally terminated with a CICS transaction dump. Other processing continues.

User Response: The problem can arise because of a failure in CICS, or a failure in the partner. To determine which is failing, analyze the flows at the last successful syncpoint. Try to determine the states the two LUs were in at this point. Look at the last syncpoint flow into CICS from the partner, before the abend. From this flow, calculate whether the change-direction indicator on the SPCMOD modifier byte is on. (See the *SNA Formats* manual for further information on the SPCMOD modifier byte.) The indicator must only be set when the saved CICS conversation state is send. If the last CICS state was send, and the indicator is on, CICS is at fault. Similarly, if the last CICS state was receive, and the indicator is off, CICS is at fault.

If the last CICS state was send and the indicator is off, or the last CICS state was receive, and the indicator is on, CICS has received a change-direction indicator when it was not expecting one. In this case, examine the partner for a logic error.

Module: DFHZARL

AZCT

Explanation: A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

Coding RTIMOUT in the PROFILE entry causes the task to be abnormally terminated if the terminal does not send input within the specified time.

- + **System Action:** The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction
- + dump code AZCT indicates that one should be taken.

User Response:

APAR PQ25851

- # If a HANDLE ABEND command has been issued for this task, the read that was timed-out is still outstanding. In order to cancel this
- # read, issue an ABEND command at the end of the user exit
- # routine so that CICS can clean up the terminal's TCTTE. No
- # further terminal control commands should be issued.

Module: DFHZARQ

AZCU

Explanation: The COVR transaction has been started directly from a terminal, or by a START command. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated. No transaction dump is taken.

User Response: None.

Module: DFHZCOVR

AZCV

Explanation: A logic error has been detected in the COVR transaction while trying to connect to VTAM.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZCOVR

AZCW

Explanation: An attempt has been made to run the CICS internal task CSTP as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSTP as a user transaction.

Module: DFHZCSTP

AZIA

Explanation: The transaction attempted to acquire or free storage during MRO processing. The response from the CICS storage manager (SM) domain indicated that the request was invalid.

System Action: The task is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS2

AZIB

Explanation: The transaction was purged whilst waiting for storage to receive MRO data from a connected subsystem. The purge may have been the result of operator action, such as CEMT SET TASK PURGE, or as the result of the waiting time exceeding the DTIMOUT value for the transaction.

System Action: The task is abnormally terminated with a dump.

User Response: If the condition is caused by time-out, examine the DTIMOUT value for the failing transaction and increase it if it is too low.

Module: DFHZIS2

AZIC

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message, and possibly a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Please see the related message from the domain that detected the original error.

Module: DFHZIS2

AZID

Explanation: A PURGED condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZIS2

AZIE

Explanation: An interregion communication (IRC) ISSUE-ERROR or ISSUE-ABEND flow has been received in violation of IRC protocols. This can be caused by:

- A CICS logic error. IRC protocols are not available to MRO distributed transaction processing applications. They are for CICS internal use only.
- A transaction abend on a connected system. This results in an FMH 7 flow over an LU6.2 connection and causes this abend to be issued.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Check whether a mixture of mapped and unmapped conversations are being used as this can cause this abend. Check for any other reasons for transactions to be abending on the attached system.

If a CICS logic error is involved, you will need further assistance from IBM. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI1

Explanation: An IRC data transmission request has been issued, but cannot be completed because the transmission protocol has been violated.

If the session is not used for distributed transaction processing, that is if it is used for function shipping or transaction routing, then the problem is caused by a CICS logic error.

If the session is used for distributed transaction processing, then the following are possible causes of the abend:

- An invalid terminal control command, such as ISSUE SIGNAL, was issued
- A send request was issued but the session was not in send state, or a read request was issued but the session was not in receive state.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the abend and if appropriate, correct the application. For further guidance, refer to the section on the EXEC Interface block (EIB) in the *CICS/ESA Intercommunication Guide*. The EIB describes the state of the session after a request has been issued.

Module: DFHZARQ

AZI2

Explanation: An IRC data transmission request has been issued but cannot be completed. Possible causes of the problem include:

- The transaction running in the connected system has been purged, or
- The transaction running in the connected system has been timed out, or
- The abending transaction has attempted to SEND while in RECEIVE state, or
- The abending transaction has attempted to RECEIVE while in SEND state.

If the abend was caused by DFHIRP rejecting the transmission request, the dump will contain DFHIRP's return code in the field TCTEIRET for the TCTTE representing the failed IRC session. The address of this TCTTE is in field B of the trace entry representing the DFHTC data transmission request.

The meanings of the DFHIRP return codes are given in the copybook, DFHIRSDS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If the cause of the error was a purge or a time-out, no further action is required.

If the error was caused by a condition such as an attempted SEND while in RECEIVE state or vice versa, analyze the dump and correct the protocol violation.

Module: DFHZARQ

AZI3

Explanation: A terminal control request issued by an application to a remotely-owned terminal failed because the conversation with the other system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI4

Explanation: An IRC data transmission request has been issued, but cannot be completed because the other system has become unavailable for interregion communication.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Rerun the transaction when IRC is available.

Module: DFHZARQ

AZI5

Explanation: An IRC data transmission request has been issued, but the data sent by the connected system in response to the request violated IRC protocols.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI6

Explanation: The transaction was connected to another transaction in another CICS system via an IRC link. This other transaction has abnormally terminated.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the cause of the abend in the connected transaction.

Module: DFHZARQ

AZI7

Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. The 'wait' request was rejected by the CICS dispatcher.

System Action: The transaction is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS2

AZI8

Explanation: The error log data received with an ISSUE-ABEND flow on an IRC connection was not in the correct format.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS1

AZI9

Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. During the wait, the failing transaction was purged. The purge can only have been the result of operator action, such as a CEMT SET TASK PURGE.

System Action: The task is abnormally terminated with a dump.

User Response: Investigate the reason the transaction was purged.

Module: DFHZIS2

AZRA

Explanation: DFHZARRC detected that the address of an FMH in the APPC was not in the receive buffer. The cause could either be a storage overwrite or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRC

AZRB

Explanation: Module DFHZARR0 was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR0

AZRD

Explanation: The logical and physical APPC receive buffers have become out of step. This problem is caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRE

Explanation: The logical APPC receive buffer (addressed by TCTERBLA) starts before or after the physical receive buffer (addressed by TCTERBLA). This is not valid as the logical receive buffer is the part of the physical receive buffer that is yet to be processed. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

AZRF

User Response: If this problem is reproducible then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRF

Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRG

Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRH

Explanation: The DFHZARR state variable RECEIVE_TYPE, used to control receive processing, has been set to an invalid value. The only other module that has access to this variable is DFHZARRF. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRI

Explanation: One of the parameters passed to DFHZARR1. was invalid. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See

Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR1

AZRJ

Explanation: The length of a record that DFHZARR0 has been requested to remove from the APPC receive buffer, is longer than the buffer itself. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRK

Explanation: The DFHLUC parameter list passed back from DFHZERH to DFHZARRF contained an invalid combination of LUCCIERR, LUCCIFRE, and LUCCIRBK fields. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRL

Explanation: Module DFHZARRF was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRM

Explanation: Module DFHZARR called one of its own internal routines at the wrong time. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRN

Explanation: The DFHLUC parameter list passed back from DFHZERH to DFHZARRF did not have LUCCIERR set on. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRO

Explanation: Module DFHZARER was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZRP

Explanation: Module DFHZARER detected an invalid response from DFHZNAC. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZRQ

Explanation: Module DFHZARRA was called with an invalid parameter. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRR

Explanation: Module DFHZARRA detected that the application buffer chained off of a TCTTE at offset TCTERCSA had a corrupted header. This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRA

AZRS

Explanation: Module DFHZARRA is unable to acquire main memory for a new application buffer into which it is supposed to copy some data. This is because the DFHLUC receive request is SUBTYPE=LLID, SET=YES and DFHZARRA does not know the length to acquire on the GETMAIN. DFHZARRA requires the length of the record currently being received, but it has been set to 0 in error. This is a CICS logic error. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRT

Explanation: Module DFHZARRA has detected that the application buffer, into which it is supposed to copy some data, is invalid. This is either because the address of the buffer is zero or because its length is less than that of the data to be copied into it. This is a CICS logic error. The exception trace point that accompanies this abend code gives the buffer address and length plus the data address and length.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRU

Explanation: Module DFHZARRF detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRV

AZRV

Explanation: Module DFHZARR1 detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: One of the parameters passed to DFHZARR1

AZRW

Explanation: Module DFHZARRA detected a negative record length in the TCTTE (field TCTELLC). This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address and the value of TCTELLC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRA

AZRY

Explanation: Module DFHZARR detected an unexpected response from DFHZARRC. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRZ

Explanation: Module DFHZARR detected an unexpected response from an internal subroutine. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZR2

Explanation: Module DFHZARRA is unable to acquire main memory for a new application buffer because the storage manager GETMAIN failed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the trace to identify the failing return from the storage manager and analyze the reason for failure.

Module: DFHZARRA

AZR3

Explanation: During a GETMAIN request, the storage domain detected that the task has been purged.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the trace to investigate why the task was purged. Check if the master terminal operator was responsible.

Module: DFHZARRA

AZR4

Explanation: An unexpected response has been received from a dispatcher domain call.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZR5

Explanation: An unexpected response has been received from a dispatcher domain call.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR1

AZSO

Explanation: An invalid request was passed via the DFHZSTAM macro to the processing DFHZSTAP program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS1

Explanation: No TCTTE pointer was passed via the DFHZSTAM macro to the processing DFHZ program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS2

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program does not relate to an MRO or an APPC Conversation. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS3

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program for an APPC Conversation, but the LUC Extension Control Block was not located. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS4

Explanation: While processing a DFHZSTAM request in DFHZSTAP, the DFHZUSRM LUC State Machine was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS5

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS6

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZTA

Explanation: The task does not own a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTB

Explanation: An attempt to install or delete a remote terminal in this CICS system has failed. This abend can also occur if the CITS/CDTS/CMTS/CFTS transactions are not available (that is, if the transactions have not been installed).

System Action: DFHZTSP is abnormally terminated with a CICS transaction dump.

User Response: Verify that the listed transactions exist and have been installed. If they have, you need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTC

Explanation: An attempt to install or delete a remote terminal in this system has failed. This is because a short-on-storage (SOS) condition has caused the failure of a GETMAIN for the attach of CITS, CDTS, or CFTS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason for the SOS condition. See the *CICS/ESA Problem Determination Guide* for guidance on dealing with the SOS condition.

Retry the transaction later.

Module: DFHZTSP

AZTF

Explanation: DFHZTSP tried to GETMAIN or FREEMAIN a TCTTE whose length (TCTTETEL) is longer than the largest TCTTE SUBPOOL and is therefore invalid. This implies a storage violation or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to identify the TCTTE in error. First, check whether this is a storage overwrite. If so, check in your statistics to see if you are getting a number of storage violations caused by the same transaction. If this is the

AZTG

case, then a user-supplied application is probably causing the problem.

If it is not a storage violation problem, or if there is a random storage violation, there might be an error in CICS. In this case, you need further assistance to resolve the problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTG

Explanation: An attempt has been made to attach a task on a remotely-owned terminal without an intersystem TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTH

Explanation: An error response was received from the remote terminal control macro.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTI

Explanation: An attempt has been made to attach a task on a remotely-owned terminal, but the terminal is not defined in this system as a remotely-owned terminal.

Alternatively, another task holds a lock on this terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the terminal control table definitions in the systems involved. If the definitions are correct, check that no other tasks have locks held on the terminal (CECI, for example).

Module: DFHZTSP

AZTL

Explanation: An attempt has been made to attach a task to a remotely-owned terminal that cannot be used to run this transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Check the terminal control table definitions in the systems involved.

Module: DFHZTSP

AZTM

Explanation: The data received from the remote system does not contain an FMH (function management header).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTN

Explanation: Conversation with a remote system has been unexpectedly terminated.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTO

Explanation: The TCTTE ownership chain is in error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTP

Explanation: A BMS TYPE=STORE request issued on behalf of a remote transaction failed.

System Action: The task abnormally terminates with a CICS transaction dump.

User Response: Inform the system programmer. Check that the required BMS support has been generated.

Module: DFHZTSP

AZTQ

Explanation: Invalid BMS data received from remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTR

Explanation: A BMS TYPE=PAGEOUT request issued on behalf of a remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the required BMS support has been generated.

Module: DFHZTSP

AZTS

Explanation: An attempt to ship data to a remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the conversations with the remote system failed. The transaction on the remote system has probably been abnormally terminated or the session has failed.

Module: DFHZTSP

AZTU

Explanation: The task does not own the link TCTTE after a sync point has been taken.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTV

Explanation: An invalid function management header (FMH) has been received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTW

Explanation: An attempt was made to attach a task on a remotely-owned terminal that was already running a task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the terminal control table definitions in the systems involved.

Module: DFHZTSP

AZTY

Explanation: A session TCT entry for a remotely owned APPC terminal or connection could not be created because to do so would exceed the maximum number of APPC sessions permitted.

#

The maximum number of sessions depends on whether the PTF shipped for APAR PQ27822 is installed. The basic limit is 46656 and the names are in the range -AAA to -999. The APAR doubles this limit to 93312 giving an additional range of AAA- to 999-.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Either wait for the system to become less busy, or delete some APPC sessions.

#

The system programmer should consider increasing the number of # CICS TORs.

Module: DFHZTSP

AZTZ

Explanation: The CICS relay program DFHCRT has been attached in an unsupported manner.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: The relay transaction executes with an MRO session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by APPC terminal sharing logic and not directly by a user transaction.

If the transaction is being attached by APPC terminal sharing logic, you need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT1

Explanation: The task has been attached improperly in the application-owning region when transaction routing.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: The conversation with the routing system should be an MRO session or an LU type 6.2 conversation. Ensure that the transaction is being attached by the CICS relay program in the connected system and not by a user program.

If the transaction is being attached by the CICS relay program in the connected system, you need further assistance to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT3

Explanation: The task is being routed back to the region from where it came.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: Correct the transaction definition.

Module: DFHZTSP

AZVA

Explanation: DFHZTSP has timed out waiting for service transaction CITS to complete during the creation of a remote terminal while attaching a task in the application-owning region.

+ The probable cause of this is that the application-owning region is very busy, so the CITS transaction has been waiting to be dispatched for longer than the timeout value allowed by DFHZTSP.
+ Lack of storage on the target system is one possible reason why CITS has not been dispatched, or has been dispatched but has not completed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the system becomes less busy.

+ For more information on improving transaction throughput on the target system, see the *CICS/ESA Performance Guide*.

Module: DFHZATS

AZVB

AZVB

Explanation: DFHZCQ has failed to create the remote terminal definition. A previous message or messages should indicate the reason for the failure.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the previous message or messages for further guidance.

Module: DFHZATS

AZVC

Explanation: An unexpected error has occurred in DFHZATS. This is probably caused by DFHZATS being unable to address the CSA, EIB or the TCA. It can also occur if DFHZATS is called with an EXEC CICS START command for transactions CITS, CFTS, CMTS or CDTS. These are internal CICS transactions and should not be called in this way.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVD

Explanation: An unexpected error has occurred in the install procedure of DFHZATS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVE

Explanation: DFHZATS is trying to install a remote terminal with the same terminal id as an existing TCT entry.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Change the terminal names to ensure that a duplicate does not occur in the same system.

Module: DFHZATS

AZVF

Explanation: One of the remote install or delete transactions of DFHZATS (CITS, CFTS, CMTS or CDTS) has been started directly from a terminal. This is not permitted. These transactions can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATS

AZVG

Explanation: An error has occurred in the remote delete routines.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVH

Explanation: An error has occurred in the remote delete routine during the mass deletion of remote terminals.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVI

Explanation: An error has occurred in the remote delete routine while an attempt was being made to delete a single remote terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVJ

Explanation: An error has occurred during the mass deletion of remote terminals. This is caused by a CICS logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVK

Explanation: An unexpected return code has been received from the remote delete routine during the deletion of a single remote terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Look for an accompanying DFHZC6911 message indicating the reason for the delete failure, and take appropriate action.

Module: DFHZATS

AZVL

Explanation: An error has occurred during the mass flagging of remote terminals for deletion.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVM

Explanation: An error has occurred in DFHZATMF. This is probably caused by DFHZATMF being unable to address the CSA, EIB, or the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMF

AZVN

Explanation: The remote delete flag transaction of DFHZATMF (CRMF) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATMF

AZVO

Explanation: The remote delete transaction of DFHZATMD (CRMD) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATMD

AZVP

Explanation: An error has occurred in DFHZATMD. This is probably caused by DFHZATMD being unable to address the CSA, EIB, or the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMD

+ AZVQ

Explanation: A request to install a shipped terminal definition has been rejected by the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHZATS

+ AZVR

Explanation: A request to install a shipped terminal definition has failed because the autoinstall user program has issued an invalid return code.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine why this code was issued.

Module: DFHZATS

+ AZVS

Explanation: A request to install a shipped terminal definition has failed because an error has occurred in the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine why this code was issued.

Module: DFHZATS

AZXA

Explanation: An unexpected error, with reason code 5, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

AZXB

Explanation: An unexpected error, with reason code 4, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

System dump codes

Whenever a CICS system dump is requested, CICS references a system dump code that corresponds to the event that caused the dump request to be made. This is done in order to see what further action should be taken. More information about this can be found in the *CICS/ESA Problem Determination Guide*.

In most cases, system dump codes correspond to a DFH message with the DFH tag stripped off. For example, system dump code DM0001 corresponds to message DFHDM0001 with the DFH tag

removed. For further information, look up the relevant message where appropriate.

However, there are some exceptions to this format, as shown in the following list.

System dump code	Corresponding message or exception condition
ABNDU603	This system dump code refers to a USER abend code and is associated with message DFHSR0603.
ABNDU605	This system dump code refers to a USER abend code and is associated with message DFHSR0605.
APTRAPPC	This system dump code is associated with message DFHTR1001.
APTRAPUS	This system dump code is associated with message DFHTR1000.
APUSER	This system dump code is issued through the use of the system dump macro compatibility interface module (DFHFDP).
APXRFTO	This system dump code has no DFH message associated with it. An error in the currently active CICS system has occurred. An alternate CICS system is now taking control and is requesting that the active CICS system produces a dump of itself.
MT0001	This system dump code has no DFH message associated with it. It indicates that a dump was requested by a user of CEMT, issuing either a PERFORM SNAP or a PERFORM DUMP.

DHxx (IMS/ESA) abend codes

If the IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or if DL/I has returned a status code to HLPI which indicates an error, IMS/ESA returns a status code xx to CICS/ESA. For the meaning of the HLPI status code, refer to the *IMS Messages and Codes manual*.

DSNC (DB2) abend code

DSNC

Explanation: This is a DB2 transaction abend code.

System Action: The task terminates abnormally with a CICS transaction dump.

User Response: Refer to the *IBM DATABASE2 Messages and Codes*, for the meaning of the code.

01xx (translator) abend codes

0100 LISTING FILE CANNOT BE OPENED

Explanation: The listing data set has not opened successfully.

System Action: The CICS command level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: Ensure correct JCL or determine what is causing the open error.

Modules: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

0101 UNRECOVERABLE TRANSLATOR ERROR

Explanation: The translator encountered a program check from which it could not recover.

System Action: The CICS command-level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

02xx (DFHPD410) abend codes

0211 RECURSIVE PROGRAM CHECK

Explanation: A program check has occurred while the system dump formatting program was handling an earlier program check.

System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: The program check preceding the abend is accompanied by message DFHPD0123. See the description of this message for more guidance.

Module: DFHPD410

0212 TOO MANY PROGRAM CHECKS

Explanation: A sixth program check has occurred during execution of the system dump formatting program.

System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: This abend is preceded by five DFHPD0123 messages, one for each of the five earlier program checks. See the description of this message for more guidance.

Module: DFHPD410

03xx (DFHCSDUP) abend codes

0300

Explanation: The SYSIN data set has not opened successfully.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the JCL is correct and that the SYSIN data set exists in sequential form. If necessary, examine the SYSIN DD statement to determine the cause of the error.

Module: DFHCSDUP

0301

Explanation: The RECFM parameter specified in the SYSIN data set is invalid.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the RECFM parameter in the SYSIN data set is either F or V.

Module: DFHCSDUP

0302

Explanation: The record length specified in the SYSIN data set is invalid.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the record length specified in the SYSIN data set is no greater than 80.

Module: DFHCSDUP

0303

Explanation: The SYSPRINT data set did not open successfully.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the SYSPRINT data set exists. If necessary, examine the SYSPRINT DD statement to determine the cause of the error.

Module: DFHCSDUP

0330

Explanation: The cross reference table size for the table being migrated is too small.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

04xx (external CICS interface) abend codes**0401**

Explanation: An external CICS interface (EXCI) request was issued using the CALL API or the EXEC API, and the EXCI stub DFHXCSTB link-edited with the application detected that it was running in AMODE 24. The external CICS interface only supports calls made in AMODE 31.

System Action: The application terminates abnormally.

User Response: Change the application so that EXCI calls are made in AMODE 31, or relink-edit the application AMODE 31.

Module: DFHXCSTB.

0402

Explanation: The external CICS interface module DFHXCPRH issued an MVS ESTAE macro to establish a recovery environment, but a nonzero return code was returned from MVS.

System Action: The application terminates abnormally with a dump.

User Response: Examine the dump and any associated MVS messages produced to determine why the MVS ESTAE request failed.

If the error occurred while processing an INITIALIZE_USER request on behalf of the application, an attempt to format the dump using the CICS IPCS dump formatter does not produce any formatted output. This is because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0403

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request to obtain storage for its XCGLOBAL block, but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0403 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCGLOBAL_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(602).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0404

Explanation: The external CICS interface module DFHXCPRH needed to take an MVS SDUMP for an earlier reported problem. However the error has occurred too early in EXCI initialization for EXCI dump services to be available.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0404 which invokes its ESTAE routine from which a SYSDUMP is taken instead of an SDUMP to capture the earlier reported problem.

User Response: Examine the SYSDUMP to determine the cause of the earlier reported problem.

An attempt to format the SYSDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0405

Explanation: The external CICS interface module DFHXCPRH issued an IEFSSREQ SSI verify request to MVS to determine the number of the CICS SVC type 3 SVC to use. The SSI VERIFY request failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0405 which invokes its ESTAE routine to clear up its environment. A SYSDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(SS1_VERIFY_FAILED) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the SSI verify failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(606).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the SSI VERIFY request failed.

An attempt to format the SYSDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0406

Explanation: The external CICS interface module DFHXCPRH called the CICS SVC to initialize the EXCI environment. The CICS SVC call failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0406 which invokes its ESTAE routine to clear up its environment. A SYSDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(CICS_SVC_CALL_FAILURE) in its return area. The subreason1 field of the return area contains the R15 return code from the CICS SVC indicating why it failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(607).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the CICS SVC call failed.

An attempt to format the SYSDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0407

Explanation: The external CICS interface module DFHXCPRH issued a call to the CICS SVC to check whether the SVC in use is at the correct level to be used with the external CICS interface. The check failed indicating that the CICS SVC is not at the correct level.

System Action: Message DFHEX0100 is output, and module DFHXCPRH issues an MVS abend with abend code 0407 which invokes its ESTAE routine to clear up its environment. A SYSDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(INCORRECT_SVC_LEVEL) in its return area. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(627).

User Response: See the explanation of message DFHEX0100 for guidance.

An attempt to format the SYSDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0408

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for its working storage but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0408 which invokes its ESTAE routine to clear up its environment. A SYSDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(WS_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(601).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0409

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for storage required for its SSI VERIFY request, but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0409 which invokes its ESTAE routine to clear up its environment. A SYSDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(VERIFY_BLOCK_GM_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code

from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(605).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0410

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for an XCUSER block but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0410 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCUSER_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(603).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

Module: DFHXCPRH

0411

Explanation: The external CICS interface dump module DFHXCDMP was attempting to call the CICS SVC in order for an MVS SDUMP to be taken to capture an earlier problem. DFHXCDMP was unable to call the SVC as no SVC number was available. DFHXCDMP issued an 0411 abend in order that the callers ESTAE routine is invoked which takes a SYSMDUMP instead.

System Action: A SYSMDUMP is taken instead of an SDUMP for an earlier reported problem.

User Response: Use the SYSMDUMP produced to diagnose the earlier reported problem.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCDMP

0412

Explanation: The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it contained a function that is not supported by the external CICS interface.

System Action: The application is abnormally terminated with a dump.

User Response: This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify the correct EXCI EXEC API command.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

Module: DFHXCEIP

0413

Explanation: The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it did not require the mandatory RETCODE parameter in which return codes are returned to the application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

System Action: The application is abnormally terminated with a dump.

User Response: This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify RETCODE.

Module: DFHXCEIP

0414

Explanation: The external CICS interface module DFHXCEIP issued an MVS ESTAE macro to establish a recovery environment but a nonzero return code was returned from MVS.

System Action: The application terminates abnormally with a dump.

User Response: Examine the dump and any associated MVS messages to determine why the MVS ESTAE request failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

Module: DFHXCEIP

0415

Explanation: The external CICS interface module DFHXCEIP detected an error early in EXCI initialization before EXCI dump services were available. DFHXCEIP issues abend 0415 so that its ESTAE routine is invoked from where an SYSMDUMP is taken instead to capture the error.

System Action: The application terminates abnormally with a dump.

User Response: Examine the SYSMDUMP to determine the cause of the earlier reported error.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCEIP

1xxx - 9xxx (COBOL II) abend codes

Abend codes with 1 through 9 as the first character are issued by COBOL II applications running on CICS. The last three digits of the abend code, xxx, correspond to the digits xxx in the associated COBOL II run-time message, IGZxxx1. For example, if you receive

Transaction Dump Codes

an abend code of 1001, the associated run-time message is IGZ0011.

COBOL II run-time messages are described in *VS COBOL II Application Programming Debugging*.

+ Chapter 3. Transaction Dump Codes

+ A transaction dump is normally taken as a result of one of two events:

- + • When an application abends, or issues an EXEC CICS ABEND request.
- + In this case, the dump code is the same as the transaction abend code.
- + • When either CICS or an application issues an EXEC CICS DUMP TRANSACTION request.
- + In this case, the dump code is the value specified in the DUMPCODE operand of the request.

+ CICS-requested Transaction Dump Codes

+ AUTO

- + **Explanation:** The IBM-supplied sample PL/I terminal autoinstall program DFHZPTDX issues an EXEC CICS DUMP TRANSACTION request with this dump code if the autoinstall program is called with an unexpected request.
- + **System Action:** DFHZPTDX is ended.
- + **User Response:** Check and correct the request made to the sample autoinstall program.
- + **Module:** DFHZPTDX

+ CSXP

- + **Explanation:** The CEDF transaction has abended.
- + **System Action:** CEDF captures diagnostic information which may be used by IBM.
- + **User Response:** Check for a previous message which will indicate which abend caused CEDF to end abnormally. Investigate this abend.
- + See Part 4 of the *CICS/ESA Problem Determination Guide* for guidance on how to proceed.
- + **Module:** CEDF

+ ERRS

- + **Explanation:** A CICS sample program has encountered an error and issued an EXEC CICS DUMP TRANSACTION request.
- + **System Action:** The sample program terminates abnormally.
- + **User Response:** Ceck and correct the source of the sample program which issued the DUMP TRANSACTION request.
- + **Module:** DFH\$AAL, DFH\$ABRW, DFH\$ACOM, DFH¢AREN, DFH\$DALL, DFH\$DBRW, DFH\$DCOM, DFH¢DREN, DFH\$PALL, DFH\$PBRW, DFH\$PCOM, DFH¢PREN, DFH0CALL, DFH0CBRW, DFH0CCOM, DFH0CREN

+ LDIN

- + **Explanation:** See dump code CSXP.

+ PAGE

- + **Explanation:** See dump code CSXP.

+ RMIN

- + **Explanation:** See dump code CSXP.

Appendix

New messages

The following messages have been added.

Note: This list includes messages added to replace deleted DFHnnnn messages. In these cases, the numerical part of the obsolete message identifier is retained.

DFHAC2050	DFHDL3922	DFHIC0002	DFHIR3782
DFHAC2051	DFHDL3924	DFHIC0200	DFHIR3785
DFHAC2052	DFHDL3926	DFHIC0310	DFHIR3795
DFHAC2053	DFHDL3928	DFHIC0360	DFHIR3797
DFHAC2054	DFHDL3929	DFHIC0801	DFHIR3799
DFHAC2055	DFHDL3930	DFHIC0802	DFHJC2900
DFHAC2056	DFHDL3932	DFHIR2321	DFHJC2901
DFHAC2057	DFHDL3936	DFHIR3700	DFHJC2902
DFHAK3106	DFHDL3940	DFHIR3701	DFHJC2903
DFHAK5802	DFHDL3941	DFHIR3702	DFHJC2904
DFHAK5803	DFHDL3942	DFHIR3703	DFHJC2905
DFHAM4884	DFHDL3943	DFHIR3704	DFHJC2906
DFHAM4887	DFHDM0107	DFHIR3705	DFHJC2907
DFHAP0601	DFHDU0103	DFHIR3706	DFHJC2908
DFHAP0602	DFHDU0211	DFHIR3707	DFHJC2909
DFHAP0603	DFHDU0212	DFHIR3708	DFHJC2910
DFHAP0706	DFHDU1601	DFHIR3709	DFHJC2911
DFHAP0707	DFHDU1602	DFHIR3710	DFHJC2912
DFHAP1212	DFHDU1603	DFHIR3711	DFHJC2913
DFHAP1213	DFHDU1604	DFHIR3712	DFHJC2914
DFHAP1214	DFHDU1609	DFHIR3713	DFHJC2915
DFHCE3506	DFHDX8300	DFHIR3714	DFHJC2916
DFHCE3507	DFHDX8301	DFHIR3715	DFHJC2917
DFHCE3539	DFHDX8302	DFHIR3716	DFHJC2918
DFHCE3551	DFHDX8303	DFHIR3717	DFHJC2919
DFHCE3570	DFHDX8304	DFHIR3718	DFHJC2920
DFHCE3571	DFHER2813	DFHIR3719	DFHJC2921
DFHCE3588	DFHER5724	DFHIR3720	DFHJC2922
DFHCE3589	DFHER5725	DFHIR3721	DFHJC2923
DFHDB8199	DFHER5730	DFHIR3722	DFHJC2924
DFHDB8228	DFHER5731	DFHIR3723	DFHJC2925
DFHDB8229	DFHER5732	DFHIR3724	DFHJC2926
DFHDB8230	DFHER5750	DFHIR3725	DFHJC2927
DFHDB8231	DFHER5751	DFHIR3726	DFHJC2928
DFHDB8232	DFHER5752	DFHIR3727	DFHJC4500
DFHDB8233	DFHER5760	DFHIR3728	DFHJC4501
DFHDB8234	DFHER5761	DFHIR3729	DFHJC4502
DFHDB8235	DFHER5762	DFHIR3730	DFHJC4503
DFHDB8236	DFHER5763	DFHIR3731	DFHJC4504
DFHDB8237	DFHER5763	DFHIR3732	DFHJC4505
DFHDB8238	DFHEX0001	DFHIR3733	DFHJC4506
DFHDB8239	DFHEX0002	DFHIR3734	DFHJC4507
DFHDB8240	DFHEX0003	DFHIR3735	DFHJC4508
DFHDB8241	DFHEX0100	DFHIR3736	DFHJC4509
DFHDB8242	DFHEX0101	DFHIR3737	DFHJC4510
DFHDB8297	DFHEX0110	DFHIR3738	DFHJC4511
DFHDD0001	DFHEX0111	DFHIR3739	DFHJC4514
DFHDD0002	DFHEX0112	DFHIR3740	DFHJC4516
DFHDL3900	DFHEX0113	DFHIR3741	DFHJC4519
DFHDL3911	DFHEX0114	DFHIR3742	DFHJC4521
DFHDL3913	DFHEX0115	DFHIR3743	DFHJC4522
DFHDL3914	DFHEX0116	DFHIR3744	DFHJC4523
DFHDL3915	# DFHFC0208	DFHIR3745	DFHJC4524
DFHDL3916	DFHFC0484	DFHIR3746	DFHJC4525
DFHDL3917	DFHFC0937	DFHIR3747	DFHJC4526
DFHDL3918	DFHFC0988	DFHIR3747	DFHJC4527
DFHDL3919	DFHFC0989	DFHIR3750	DFHJC4528
	DFHFC0998	DFHIR3765	

DFHJC4529	DFHMN0220	DFHMU0165	DFHSI1529
DFHJC4530	DFHMN0221	DFHMU0166	DFHSI1536
DFHJC4531	DFHMU0102	DFHMU0167	DFHSI1539
DFHJC4532	DFHMU0103	DFHMU0169	DFHSI1550
DFHJC4533	DFHMU0104	DFHMU0170	DFHSI1551
DFHJC4534	DFHMU0105	DFHMU0999	DFHSI1552
DFHJC4536	DFHMU0106	DFHPA1108	DFHSI1580
DFHJC4559	DFHMU0107	DFHPA1932	DFHSI1581
DFHJC4560	DFHMU0108	DFHPA1934	DFHSI1585
DFHJC4561	DFHMU0109	DFHPA1935	DFHSI1586
DFHJC4562	DFHMU0110	DFHPA1936	DFHSI2810
DFHJC4563	DFHMU0111	DFHPA1937	DFHSM0122
DFHJC4565	DFHMU0112	DFHPA1938	DFHSM0123
DFHJC4571	DFHMU0113	DFHPC0401	DFHSM0124
DFHJC4580	DFHMU0114	DFHPC0402	DFHSM0125
DFHJC4582	DFHMU0115	DFHPC0405	DFHSM0126
DFHJC4583	DFHMU0116	DFHPC0408	DFHSM0127
DFHJC4584	DFHMU0117	DFHPC0409	DFHSM0128
DFHJC4585	DFHMU0118	DFHPC0411	DFHSM0129
DFHJC4586	DFHMU0119	DFHPD0130	DFHSM0130
DFHJC4588	DFHMU0120	DFHPD0131	DFHSM0131
DFHJC4592	DFHMU0121	DFHPG0001	DFHSM0132
DFHJC4593	DFHMU0122	DFHPG0002	DFHSM0133
DFHJC4594	DFHMU0123	DFHPG0004	DFHSM0134
DFHJC4596	DFHMU0124	DFHPG0101	DFHSM0135
DFHJC4597	DFHMU0125	DFHPG0102	# DFHSM0136
DFHJC4598	DFHMU0126	DFHPG0103	DFHSN0001
DFHJC4599	DFHMU0127	DFHPG0104	DFHSN0004
DFHJC6100	DFHMU0128	DFHPG0201	DFHSN1100
DFHJC6101	DFHMU0129	DFHPG0202	DFHSN1101
DFHJC6102	DFHMU0130	DFHPG0203	DFHSN1102
DFHJC6103	DFHMU0131	DFHPG0204	DFHSN1103
DFHJC6104	DFHMU0132	DFHPG0205	DFHSN1104
DFHJC6105	DFHMU0133	DFHPG0206	DFHSN1105
DFHJC6107	DFHMU0134	DFHPG0207	DFHSN1106
DFHJC6110	DFHMU0135	DFHPG0208	DFHSN1107
DFHJC6111	DFHMU0136	DFHPG0209	DFHSN1108
DFHJC6199	DFHMU0137	DFHPG0210	DFHSN1112
DFHKC0302	DFHMU0138	DFHPG0211	DFHSN1113
DFHKC0308	DFHMU0139	DFHRD0109	DFHSN1114
DFHKE0303	DFHMU0140	DFHRU2800	DFHSN1115
DFHKE0401	DFHMU0141	DFHRU2801	DFHSN1116
DFHKE0402	DFHMU0142	DFHRU2802	DFHSN1117
DFHKE0403	DFHMU0143	DFHRU2803	DFHSN1118
DFHKE0404	DFHMU0144	DFHRU2804	DFHSN1119
DFHKE0405	DFHMU0145	DFHRU2805	DFHSN1120
DFHKE0406	DFHMU0146	DFHRU2806	DFHSN1129
DFHKE0407	DFHMU0147	DFHRU2807	DFHSN1130
DFHKE0408	DFHMU0148	DFHRU2808	DFHSN1131
DFHMC4000	DFHMU0149	DFHRU2809	DFHSN1132
DFHMC4001	DFHMU0150	DFHRU2811	DFHSN1150
DFHME0120	DFHMU0151	DFHRU2812	DFHSN1200
DFHME0135	DFHMU0152	DFHRU2814	DFHSN1211
DFHME0136	DFHMU0153	DFHRU2815	DFHSN1212
DFHME9996	DFHMU0154	DFHRU2816	DFHSN1213
DFHME9997	DFHMU0155	DFHRU2820	DFHSN1214
DFHME9998	DFHMU0156	DFHRU2821	DFHSN1215
DFHME9999	DFHMU0157	DFHRU2830	DFHSN1216
DFHMN0216	DFHMU0158	DFHRU2831	DFHSN1250
DFHMN0217	DFHMU0159	DFHRU2839	DFHSN1300
DFHMN0218	DFHMU0160	DFHSI1516	DFHSN1400
DFHMN0219	DFHMU0162	DFHSI1520	DFHSN1401
	DFHMU0163		DFHSN1410

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DFHSN1500	DFHSZ4153	DFHWK3107	DFHXC6636
DFHSN1501	DFHSZ4154	DFHXA6521	DFHXC6637
DFHSN1604	DFHSZ4155	DFHXA6526	DFHXC6638
DFHSN1605	DFHSZ4156	DFHXA6528	DFHXC6640
DFHSN1606	DFHSZ4157	DFHXA6540	DFHXC6641
DFHSN1800	DFHSZ4158	DFHXA6541	DFHXC6642
DFHSN1801	DFHSZ4159	DFHXA6560	DFHXC6643
DFHSN1850	DFHSZ4201	DFHXA6561	DFHXC6644
DFHSN1851	DFHSZ4202	DFHXA6563	DFHXC6645
DFHST0217	DFHSZ4203	DFHXA6564	DFHXC6646
DFHST0218	DFHTC1011	DFHXA6566	DFHXC6649
DFHST0219	DFHTC1012	DFHXA6567	DFHXC6650
DFHST0220	DFHTC1013	DFHXA6568	DFHXC6651
DFHST0221	DFHTC1022	DFHXA6569	DFHXG6215
DFHST0222	DFHTC1023	DFHXA6570	DFHXG6400
DFHST0223	DFHTC1024	DFHXA6571	DFHXG6401
DFHSZ4001	DFHTC1034	DFHXA6572	DFHXG6402
DFHSZ4002	DFHTC1035	DFHXA6573	DFHXG6403
DFHSZ4003	DFHTC1036	DFHXA6574	DFHXG6404
DFHSZ4004	DFHTC1040	DFHXA6575	DFHXG6405
DFHSZ4005	DFHTC1041	DFHXA6576	DFHXG6406
DFHSZ4006	DFHTC1042	DFHXA6577	DFHXG6407
DFHSZ4007	DFHTC1043	DFHXA6578	DFHXG6408
DFHSZ4008	DFHTC1044	DFHXA6580	DFHXG6409
DFHSZ4009	DFHTC1045	DFHXA6581	DFHXG6410
DFHSZ4010	DFHTC1046	DFHXA6582	DFHXG6411
DFHSZ4011	DFHTC1047	DFHXA6583	DFHXG6415
DFHSZ4012	DFHTC1575	DFHXC6600	DFHXG6416
DFHSZ4013	DFHTD0183	DFHXC6601	DFHXG6417
DFHSZ4014	DFHTD0343	DFHXC6602	DFHXG6422
DFHSZ4015	DFHTD1278	DFHXC6603	DFHXG6423
DFHSZ4099	DFHTD1279	DFHXC6604	DFHXG6427
DFHSZ4101	DFHTD1280	DFHXC6605	DFHXG6429
DFHSZ4102	DFHTF0001	DFHXC6606	DFHXG6440
DFHSZ4103	DFHTF0002	DFHXC6607	DFHXG6441
DFHSZ4104	DFHTF0100	DFHXC6608	DFHXG6442
DFHSZ4105	DFHTF0101	DFHXC6609	DFHXG6443
DFHSZ4106	DFHTM1703	DFHXC6610	DFHXG6444
DFHSZ4107	DFHTM1715	DFHXC6611	DFHXG6445
DFHSZ4108	DFHTM1783	DFHXC6612	DFHXG6446
DFHSZ4109	DFHTO6022	DFHXC6613	DFHXG6447
DFHSZ4110	DFHTO6025	DFHXC6614	DFHXG6450
DFHSZ4111	DFHTS1305	DFHXC6615	DFHXG6451
DFHSZ4112	DFHTS1308	DFHXC6616	DFHXG6452
DFHSZ4113	DFHTS1312	DFHXC6617	DFHXG6453
DFHSZ4114	DFHTS1315	DFHXC6618	DFHXG6454
DFHSZ4115	DFHTS1379	DFHXC6620	DFHXG6475
DFHSZ4116	DFHTS1380	DFHXC6621	DFHXG6476
DFHSZ4117	DFHUP0201	DFHXC6622	DFHXG6477
DFHSZ4118	DFHUP0202	DFHXC6623	DFHXG6479
DFHSZ4119	DFHUP0203	DFHXC6624	DFHXG6480
DFHSZ4120	DFHUP0204	DFHXC6625	DFHXG6482
DFHSZ4121	DFHUS0001	DFHXC6626	DFHXG6483
DFHSZ4122	DFHUS0002	DFHXC6627	DFHXG6484
DFHSZ4123	DFHUS0004	DFHXC6628	DFHXG6485
DFHSZ4124	DFHUS0006	DFHXC6629	DFHXG6486
DFHSZ4125	DFHUS0050	DFHXC6630	DFHXG6490
DFHSZ4126	DFHUS0150	DFHXC6631	DFHXG6491
DFHSZ4127	DFHUS0200	DFHXC6632	DFHXG6492
DFHSZ4128	DFHVC4700	DFHXC6633	DFHXG6493
DFHSZ4151	DFHVC4702	DFHXC6634	DFHXG6500
DFHSZ4152	DFHVC4710	DFHXC6635	DFHXG6501
	DFHVC4720		DFHXG6502

DFHXG6503	DFHXO6721	DFHZC0170
DFHXG6507	DFHXS0001	DFHZC0171
DFHXG6511	DFHXS0002	DFHZC0172
DFHXG6512	DFHXS0004	DFHZC0173
DFHXG6513	DFHXS0006	DFHZC0174
DFHXG6514	DFHXS1100	DFHZC0199
DFHXG6516	DFHXS1101	DFHZC0200
DFHXG6517	DFHXS1102	DFHZC0201
DFHXG6518	DFHXS1103	DFHZC2114
DFHXG6519	DFHXS1104	DFHZC2115
DFHXG6520	DFHXS1105	DFHZC2300
DFHXG6522	DFHXS1106	DFHZC2301
DFHXG6523	DFHXS1107	DFHZC2302
DFHXG6524	DFHXS1108	DFHZC2303
DFHXG6539	DFHXS1109	DFHZC2304
DFHXG6680	DFHXS1110	DFHZC2307
DFHXG6681	DFHXS1111	DFHZC2308
DFHXG6682	DFHXS1112	DFHZC2309
DFHXG6683	DFHXS1201	DFHZC2310
DFHXM0001	DFHXS1202	DFHZC2312
DFHXM0002	DFHXS1203	DFHZC2320
DFHXM0004	DFHXS1205	DFHZC2350
DFHXM0101	DFHXS1211	DFHZC2351
DFHXM0103	DFHXS1213	DFHZC2352
DFHXM0105	DFHXS1214	DFHZC4923
DFHXM0110	DFHXS1215	DFHZC4929
DFHXM0111	DFHZC0001	DFHZC4948
DFHXM0112	DFHZC0002	DFHZC5909
DFHXM0113	DFHZC0003	DFHZC6341
DFHXM0114	DFHZC0004	DFHZC6305
DFHXM0115	DFHZC0101	DFHZC6350
DFHXM0116	DFHZC0110	DFHZC6361
DFHXM0201	DFHZC0111	DFHZC6362
DFHXM0203	DFHZC0112	DFHZC6363
DFHXM0205	DFHZC0120	DFHZC6364
DFHXM0211	DFHZC0121	DFHZC6365
DFHXM0212	DFHZC0122	DFHZC6366
DFHXM0213	DFHZC0123	DFHZC6367
DFHXM0301	DFHZC0124	DFHZC6368
DFHXM0302	DFHZC0125	DFHZC6369
DFHXM0303	DFHZC0126	DFHZC6370
DFHXM0304	DFHZC0127	DFHZC6371
DFHXM0305	DFHZC0128	DFHZC6914
DFHXM0306	DFHZC0129	DFHZC6920
DFHXM0307	DFHZC0130	DFHZC6921
DFHXM0308	DFHZC0131	DFHZC6922
DFHXM0309	DFHZC0132	DFHZC6923
DFHXM0310	DFHZC0133	DFH5173
DFHXM0501	DFHZC0136	DFH5259
DFHXM0502	DFHZC0137	DFH5535
DFHXM0503	DFHZC0140	DFH5536
DFHXO6700	DFHZC0144	DFH5537
DFHXO6702	DFHZC0145	DFH5538
DFHXO6703	DFHZC0146	DFH7004
DFHXO6704	DFHZC0147	DFH7005
DFHXO6705	DFHZC0148	
DFHXO6706	DFHZC0149	
DFHXO6707	DFHZC0150	
DFHXO6708	DFHZC0155	
DFHXO6709	DFHZC0156	
DFHXO6712	DFHZC0160	
DFHXO6720	DFHZC0161	
	DFHZC0162	

Appendix

Deleted abends

The following abends have been deleted.

ADLI
ADCN
AEC4
AEXA
AEXB

AEXD
AEXE
APCA
APCB
APCC

APCD
APCM
APCN
APCP
APCQ

APCR
APCU
APTA
APTB
AXSB

AZT2

Deleted messages

The following messages have been deleted.

Note: Many of these messages have been replaced by new DFHCCnnnn messages.

DFHAC2046	DFHSI1557	DFHSN0604	DFH0310
DFHAC2049	DFHSM0112	DFHSN0605	DFH0401
DFHAC2210	DFHSM0116	DFHSN0606	DFH0405
DFHAC2211	DFHSM0117	DFHSN0607	DFH0407
DFHAC2212	DFHSM0118	DFHSN0608	DFH0408
DFHAC2213	DFHSM0121	DFHSN0609	DFH0409
DFHAC2214	DFHSM0005	DFHSN0700	DFH0801
DFHAC2240	DFHSM0100	DFHSN0701	DFH0802
DFHAC2241	DFHSM0101	DFHSN0800	DFH1001
DFHAC2242	DFHSM0102	DFHSM0801	DFH1003
DFHAC2243	DFHSM0103	DFHSM0802	DFH1011
DFHAC2244	DFHSM0104	DFHSZ9999	DFH1012
DFHAP0400	DFHSM0105	DFHTM1701	DFH1013
DFHAP1210	DFHSM0106	DFHTM1702	DFH1022
DFHBP6803	DFHSM0107	DFHTM1713	DFH1023
DFHBP6804	DFHSM0108	DFHTM1714	DFH1024
DFHCE3505	DFHSM0109	DFHXS0100	DFH1034
DFHCR4313	DFHSM0112	DFHXS0101	DFH1035
DFHDS0102	DFHSM0113	DFHXS0205	DFH1036
DFHFC0404	DFHSM0114	DFHXS0206	DFH1040
DFHFC0992	DFHSM0115	DFHXS0207	DFH1041
DFHFC0993	DFHSM0117	DFHXS3604	DFH1042
DFHFC0994	DFHSM0118	DFHXS3605	DFH1043
DFHIW4923	DFHSM0119	DFHXS3606	DFH1044
DFHKC0101	DFHSM0120	DFHZC2306	DFH1045
DFHKC0103	DFHSM0200	DFHZC3473	DFH1046
DFHKC0105	DFHSM0212	DFHZC5935	DFH1047
DFHKC0306	DFHSM0213	DFHZC6486	DFH1060
DFHPA1925	DFHSM0214	DFHZE2603	DFH1305
DFHPC0101	DFHSM0215	DFHZE2605	DFH1308
DFHPC0102	DFHSM0400	DFHZE2606	DFH1312
DFHPC0103	DFHSM0401	DFH0302	DFH1516
DFHPC0406	DFHSM0500	DFH0308	DFH1520

DFH1529	DFH2909	DFH3741	DFH4528
DFH1575	DFH2910	DFH3742	DFH4529
DFH1585	DFH2911		DFH4530
DFH1586	DFH2912	DFH3743	DFH4531
DFH1601	DFH2913	DFH3744	DFH4532
DFH1602		DFH3745	
DFH1603	DFH2914	DFH3746	DFH4533
DFH1604	DFH2915	DFH3760	DFH4534
	DFH2916		DFH4536
DFH1609	DFH2917	DFH3765	DFH4559
DFH1708	DFH2918	DFH3782	DFH4560
DFH2101		DFH3785	
DFH2102	DFH2919	DFH3793	DFH4561
DFH2103	DFH2920	DFH3795	DFH4562
	DFH2921		DFH4563
DFH2104	DFH2922	DFH3797	DFH4564
DFH2105	DFH2923	DFH3900	DFH4565
DFH2106		DFH3911	
DFH2107	DFH2924	DFH3913	DFH4580
DFH2108	DFH2925	DFH3914	DFH4582
	DFH2926		DFH4583
DFH2110	DFH2927	DFH3915	DFH4584
DFH2111	DFH2928	DFH3916	DFH4585
DFH2112		DFH3917	
DFH2122	DFH3106	DFH3918	DFH4586
DFH2123	DFH3107	DFH3919	DFH4588
	DFH3700		DFH4592
DFH2124	DFH3701	DFH3922	DFH4593
DFH2302	DFH3702	DFH3924	DFH4594
DFH2303		DFH3926	
DFH2304	DFH3703	DFH3928	DFH4596
DFH2305	DFH3704	DFH3929	DFH4597
	DFH3705		DFH4598
DFH2306	DFH3706	DFH3930	DFH4599
DFH2307	DFH3707	DFH3931	DFH4700
DFH2308		DFH3932	
DFH2312	DFH3708	DFH3936	DFH4702
DFH2316	DFH3709	DFH3940	DFH4710
	DFH3710		DFH4720
DFH2318	DFH3711	DFH3941	DFH4923
DFH2319	DFH3712	DFH3942	DFH5144
DFH2320		DFH3943	
DFH2800	DFH3713	DFH4000	DFH5150
DFH2801	DFH3714	DFH4500	DFH5151
	DFH3715		DFH5152
DFH2802	DFH3716	DFH4501	DFH5153
DFH2803	DFH3717	DFH4502	DFH5154
DFH2804		DFH4503	
DFH2805	DFH3718	DFH4504	DFH5155
DFH2806	DFH3719	DFH4505	DFH5156
	DFH3720		DFH5157
DFH2807	DFH3721	DFH4506	DFH5158
DFH2808	DFH3722	DFH4507	DFH5160
DFH2809		DFH4508	
DFH2811	DFH3723	DFH4509	DFH5162
DFH2812	DFH3724	DFH4510	DFH5163
	DFH3725		DFH5170
DFH2813	DFH3726	DFH4511	DFH5604
DFH2814	DFH3727	DFH4512	DFH5704
DFH2815		DFH4513	
DFH2816	DFH3728	DFH4514	DFH5724
DFH2820	DFH3729	DFH4516	DFH5725
	DFH3730		DFH5730
DFH2821	DFH3731	DFH4517	DFH5731
DFH2900	DFH3732	DFH4518	DFH5732
DFH2901		DFH4519	
DFH2902	DFH3733	DFH4521	DFH5750
DFH2903	DFH3734	DFH4522	DFH5751
DFH2904	DFH3735		DFH5752
DFH2905	DFH3736	DFH4523	DFH5760
DFH2906	DFH3737	DFH4524	DFH5761
DFH2907	DFH3738	DFH4525	DFH5762
DFH2908	DFH3739	DFH4526	DFH5802
	DFH3740	DFH4527	DFH5803

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DFH6100	DFH6496	DFH6615
DFH6101	DFH6497	DFH6616
DFH6102	DFH6498	DFH6617
DFH6103	DFH6499	DFH6618
DFH6104	DFH6500	DFH6620
DFH6105	DFH6501	DFH6621
DFH6107	DFH6502	DFH6622
DFH6110	DFH6503	DFH6623
DFH6111	DFH6507	DFH6624
DFH6199	DFH6511	DFH6625
DFH6215	DFH6512	DFH6626
DFH6400	DFH6513	DFH6627
DFH6401	DFH6514	DFH6628
DFH6402	DFH6516	DFH6629
DFH6403	DFH6517	DFH6630
DFH6404	DFH6518	DFH6631
DFH6405	DFH6519	DFH6632
DFH6406	DFH6520	DFH6633
DFH6407	DFH6521	DFH6634
DFH6408	DFH6522	DFH6635
DFH6409	DFH6523	DFH6636
DFH6410	DFH6524	DFH6637
DFH6411	DFH6526	DFH6638
DFH6415	DFH6528	DFH6640
DFH6416	DFH6539	DFH6641
DFH6417	DFH6540	DFH6642
DFH6422	DFH6541	DFH6643
DFH6423	DFH6560	DFH6644
DFH6427	DFH6561	DFH6645
DFH6429	DFH6563	DFH6646
DFH6440	DFH6564	DFH6649
DFH6441	DFH6566	DFH6650
DFH6442	DFH6567	DFH6651
DFH6443	DFH6568	DFH6680
DFH6444	DFH6569	DFH6681
DFH6445	DFH6570	DFH6682
DFH6446	DFH6571	DFH6683
DFH6447	DFH6572	DFH6700
DFH6450	DFH6573	DFH6702
DFH6451	DFH6574	DFH6703
DFH6452	DFH6575	DFH6704
DFH6453	DFH6576	DFH6705
DFH6454	DFH6577	DFH6706
DFH6475	DFH6578	DFH6707
DFH6476	DFH6580	DFH6708
DFH6477	DFH6581	DFH6709
DFH6479	DFH6582	DFH6710
DFH6480	DFH6583	DFH6711
DFH6482	DFH6600	DFH6712
DFH6483	DFH6601	DFH6720
DFH6484	DFH6602	DFH6721
DFH6485	DFH6603	DFH8300
DFH6486	DFH6604	DFH8301
DFH6487	DFH6605	DFH8302
DFH6488	DFH6606	DFH8303
DFH6489	DFH6607	DFH8304
DFH6490	DFH6608	
DFH6491	DFH6609	
DFH6492	DFH6610	
DFH6493	DFH6611	
DFH6494	DFH6612	
DFH6495	DFH6613	
	DFH6614	

Changed messages

The following messages have been changed.

DFHAC2044	# DFHSM0135	DFHZC4901	DFH5175
DFHCP0756	DFHSN0002	DFHZC4922	DFH5176
DFHCR4310	DFHSR0622	DFHZC4928	DFH5177
DFHCR4311	DFHTC1001	DFHZC4945	DFH5178
DFHDL3909	DFHTC1060	DFHZC4947	DFH5179
DFHDL3945	DFHTC2522	DFHZC6596	DFH5180
DFHFC0202	# DFHTO6000	DFHZC6901	DFH5181
DFHFC0203	# DFHTO6001	DFHZC6935	DFH5182
DFHFC0204	# DFHTO6002	DFHZC6966	DFH5183
DFHFC0205	# DFHTO6003	DFHZE2604	DFH5184
DFHFC0940	# DFHTO6004	DFHZN2104	DFH5186
DFHFC0941	# DFHTO6005	DFH5100	DFH5187
DFHFC0942	# DFHTO6006	DFH5101	DFH5188
DFHFC0943	# DFHTO6007	DFH5102	DFH5189
DFHFC0945	DFHTO6008	DFH5103	DFH5190
DFHFC0946	# DFHTO6009	DFH5104	DFH5191
DFHFC0947	# DFHTO6010	DFH5105	DFH5192
DFHFC0948	# DFHTO6011	DFH5107	DFH5193
DFHFC0987	# DFHTO6013	DFH5108	DFH5194
DFHFC0990	DFHTO6015	DFH5109	DFH5195
DFHFC0991	# DFHTO6016	DFH5110	DFH5196
DFHFE3310	# DFHTO6017	DFH5114	DFH5197
DFHIR3780	# DFHTO6018	DFH5115	DFH5198
DFHIR3788	DFHTO6019	DFH5116	DFH5199
DFHJC4564	# DFHTO6020	DFH5117	DFH5200
DFHKC0102	# DFHTO6022	DFH5120	DFH5201
DFHKC0104	# DFHTO6025	DFH5121	DFH5202
DFHKC0106	DFHTR0112	DFH5122	DFH5203
DFHKC0301	DFHTR1000	DFH5123	DFH5204
# DFHKE0409	DFHTR1001	DFH5124	DFH5205
# DFHKE0410	DFHTR1002	DFH5125	DFH5206
# DFHKE0411	DFHTS1301	DFH5126	DFH5207
DFHKE0999	DFHTS1307	DFH5127	DFH5210
DFHPA1926	DFHTS1313	DFH5128	DFH5211
DFHPA1931	DFHTS1314	DFH5130	DFH5212
DFHPD0110	DFHTS1324	DFH5131	DFH5213
DFHPD0114	DFHTS1325	DFH5132	DFH5214
DFHPD0118	DFHTS1340	DFH5133	DFH5215
DFHPD0119	DFHTS1341	DFH5134	DFH5216
DFHPD0121	DFHTS1342	DFH5135	DFH5217
DFHPD0122	DFHTS1576	DFH5136	DFH5220
DFHPD0123	DFHTS1599	DFH5140	DFH5222
DFHRD0101	DFHXG6494	DFH5141	DFH5223
DFHRD0102	DFHXG6495	DFH5142	DFH5224
DFHRD0103	DFHXG6496	DFH5143	DFH5225
DFHRD0104	DFHXG6497	DFH5145	DFH5227
DFHRD0105	DFHXG6498	DFH5146	DFH5228
DFHRD0106	DFHXG6499	DFH5147	DFH5229
DFHRD0107	DFHZC2411	DFH5148	DFH5230
DFHRD0108	DFHZC2433	DFH5149	DFH5231
DFHRM0103	DFHZC2443	DFH5159	DFH5232
DFHRT4417	DFHZC2447	DFH5164	DFH5233
DFHRT4418	DFHZC2450	DFH5165	DFH5234
DFHRT4419	DFHZC3442	DFH5166	DFH5235
DFHRT4420	DFHZC3443	DFH5167	DFH5236
DFHSI1534	DFHZC3452	DFH5168	DFH5240
DFHSI1535	DFHZC3454	DFH5169	DFH5241
DFHSI1574	DFHZC3482	DFH5171	DFH5242
DFHSI1575	DFHZC3497	DFH5172	DFH5251
DFHSM0102	DFHZC4900	DFH5174	DFH5252

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DFH5253	DFH5603
DFH5254	DFH5605
DFH5255	DFH5606
DFH5256	DFH5607
DFH5261	DFH5608
DFH5262	DFH5609
DFH5263	DFH5611
DFH5264	DFH5612
DFH5265	DFH5613
DFH5266	DFH5614
DFH5267	DFH5617
DFH5268	DFH5618
DFH5269	DFH5619
DFH5270	DFH5620
DFH5271	DFH5621
DFH5272	DFH5622
DFH5273	DFH5623
DFH5274	DFH5624
DFH5275	DFH7075
DFH5276	DFH7259
DFH5277	DFH7261
DFH5280	DFH7262
DFH5281	
DFH5282	
DFH5283	
DFH5284	
DFH5285	
DFH5286	
DFH5501	
DFH5502	
DFH5503	
DFH5504	
DFH5505	
DFH5506	
DFH5507	
DFH5509	
DFH5510	
DFH5511	
DFH5512	
DFH5513	
DFH5514	
DFH5515	
DFH5516	
DFH5517	
DFH5518	
DFH5519	
DFH5520	
DFH5521	
DFH5522	
DFH5523	
DFH5524	
DFH5525	
DFH5526	
DFH5527	
DFH5528	
DFH5529	
DFH5530	
DFH5531	
DFH5532	
DFH5533	
DFH5600	
DFH5601	
DFH5602	

Converted messages

The process of converting messages to the component-id format for those messages handled by the CICS message domain, begun in CICS/ESA Version 3, is continued in CICS/ESA 4.1. Converted messages retain the numeric part of their identifier, preceded by a 2-character component identifier. The following lists of messages show the old message on the left, with the corresponding new message on the right:

Old message	New message	Old message	New message	Old message	New message
DFH0302	DFHKC0302	DFH2307	DFHZC2307	DFH2928	DFHJC2928
DFH0308	DFHKC0308	DFH2308	DFHZC2308	DFH3106	DFHAK3106
DFH0310	DFHIC0310	DFH2312	DFHZC2312	DFH3107	DFHWK3107
DFH0401	DFHPC0401	DFH2320	DFHZC2320	DFH3700	DFHIR3700
DFH0405	DFHPC0405	DFH2800	DFHRU2800	DFH3701	DFHIR3701
DFH0407	DFHPC0407	DFH2801	DFHRU2801	DFH3702	DFHIR3702
DFH0408	DFHPC0408	DFH2802	DFHRU2802	DFH3703	DFHIR3703
DFH0409	DFHPC0409	DFH2803	DFHRU2803	DFH3704	DFHIR3704
DFH0801	DFHIC0801	DFH2804	DFHRU2804	DFH3705	DFHIR3705
DFH0802	DFHIC0802	DFH2805	DFHRU2805	DFH3706	DFHIR3706
DFH1001	DFHTC1001	DFH2806	DFHRU2806	DFH3707	DFHIR3707
DFH1002	DFHTC1002	DFH2807	DFHRU2807	DFH3708	DFHIR3708
DFH1003	DFHTC1003	DFH2808	DFHRU2808	DFH3709	DFHIR3709
DFH1011	DFHTC1011	DFH2809	DFHRU2809	DFH3710	DFHIR3710
DFH1012	DFHTC1012	DFH2811	DFHRU2811	DFH3711	DFHIR3711
DFH1013	DFHTC1013	DFH2812	DFHRU2812	DFH3712	DFHIR3712
DFH1015	DFHTC1015	DFH2813	DFHER2813	DFH3713	DFHIR3713
DFH1022	DFHTC1022	DFH2814	DFHRU2814	DFH3714	DFHIR3714
DFH1023	DFHTC1023	DFH2815	DFHRU2815	DFH3715	DFHIR3715
DFH1024	DFHTC1024	DFH2816	DFHRU2816	DFH3716	DFHIR3716
DFH1034	DFHTC1034	DFH2820	DFHRU2820	DFH3717	DFHIR3717
DFH1035	DFHTC1035	DFH2821	DFHRU2821	DFH3718	DFHIR3718
DFH1036	DFHTC1036	DFH2900	DFHJC2900	DFH3719	DFHIR3719
DFH1040	DFHTC1040	DFH2901	DFHJC2901	DFH3720	DFHIR3720
DFH1041	DFHTC1041	DFH2902	DFHJC2902	DFH3721	DFHIR3721
DFH1042	DFHTC1042	DFH2903	DFHJC2903	DFH3722	DFHIR3722
DFH1043	DFHTC1043	DFH2904	DFHJC2904	DFH3723	DFHIR3723
DFH1044	DFHTC1044	DFH2905	DFHJC2905	DFH3724	DFHIR3724
DFH1045	DFHTC1045	DFH2906	DFHJC2906	DFH3725	DFHIR3725
DFH1046	DFHTC1046	DFH2907	DFHJC2907	DFH3726	DFHIR3726
DFH1047	DFHTC1047	DFH2908	DFHJC2908	DFH3727	DFHIR3727
DFH1060	DFHTC1060	DFH2909	DFHJC2909	DFH3728	DFHIR3728
DFH1305	DFHRS1305	DFH2910	DFHJC2910	DFH3729	DFHIR3729
DFH1308	DFHRS1308	DFH2911	DFHJC2911	DFH3730	DFHIR3730
DFH1312	DFHRS1312	DFH2912	DFHJC2912	DFH3731	DFHIR3731
DFH1516	DFHSI1516	DFH2913	DFHJC2913	DFH3732	DFHIR3732
DFH1529	DFHSI1529	DFH2914	DFHJC2914	DFH3733	DFHIR3733
DFH1581	DFHSI1581	DFH2915	DFHJC2915	DFH3734	DFHIR3734
DFH1584	DFHSI1584	DFH2916	DFHJC2916	DFH3735	DFHIR3735
DFH1585	DFHSI1585	DFH2917	DFHJC2917	DFH3736	DFHIR3736
DFH1586	DFHSI1586	DFH2918	DFHJC2918	DFH3737	DFHIR3737
DFH1601	DFHDU1601	DFH2919	DFHJC2919	DFH3738	DFHIR3738
DFH1602	DFHDU1602	DFH2920	DFHJC2920	DFH3739	DFHIR3739
DFH1603	DFHDU1603	DFH2921	DFHJC2921	DFH3740	DFHIR3740
DFH1604	DFHDU1604	DFH2922	DFHJC2922	DFH3741	DFHIR3741
DFH1609	DFHDU1609	DFH2923	DFHJC2923	DFH3742	DFHIR3742
DFH2302	DFHZC2302	DFH2924	DFHJC2924	DFH3743	DFHIR3743
DFH2303	DFHZC2303	DFH2925	DFHJC2925	DFH3744	DFHIR3744
DFH2304	DFHZC2304	DFH2926	DFHJC2926	DFH3745	DFHIR3745
DFH2305	DFHZC2305	DFH2927	DFHJC2927	DFH3746	DFHIR3746

Appendix

Old message	New message	Old message	New message	Old message	New message
DFH3765	DFHIR3765	DFH4561	DFHJC4561	DFH6417	DFHXG6417
DFH3782	DFHIR3782	DFH4562	DFHJC4562	DFH6422	DFHXG6422
DFH3785	DFHIR3785	DFH4563	DFHJC4563	DFH6423	DFHXG6423
DFH3795	DFHIR3795	DFH4565	DFHJC4565	DFH6427	DFHXG6427
DFH3797	DFHIR3797	DFH4580	DFHJC4580	DFH6429	DFHXG6429
DFH3900	DFHDL3900	DFH4582	DFHJC4582	DFH6440	DFHXG6440
DFH3911	DFHDL3911	DFH4583	DFHJC4583	DFH6441	DFHXG6441
DFH3913	DFHDL3913	DFH4584	DFHJC4584	DFH6442	DFHXG6442
DFH3914	DFHDL3914	DFH4585	DFHJC4585	DFH6443	DFHXG6443
DFH3915	DFHDL3915	DFH4586	DFHJC4586	DFH6444	DFHXG6444
DFH3916	DFHDL3916	DFH4588	DFHJC4588	DFH6445	DFHXG6445
DFH3917	DFHDL3917	DFH4592	DFHJC4592	DFH6446	DFHXG6446
DFH3918	DFHDL3918	DFH4593	DFHJC4593	DFH6447	DFHXG6447
DFH3919	DFHDL3919	DFH4594	DFHJC4594	DFH6450	DFHXG6450
DFH3922	DFHDL3922	DFH4596	DFHJC4596	DFH6451	DFHXG6451
DFH3924	DFHDL3924	DFH4597	DFHJC4597	DFH6452	DFHXG6452
DFH3926	DFHDL3926	DFH4598	DFHJC4598	DFH6453	DFHXG6453
DFH3928	DFHDL3928	DFH4599	DFHJC4599	DFH6454	DFHXG6454
DFH3929	DFHDL3929	DFH4700	DFHVC4700	DFH6475	DFHXG6475
DFH3930	DFHDL3930	DFH4702	DFHVC4702	DFH6476	DFHXG6476
DFH3931	DFHDL3931	DFH4710	DFHVC4710	DFH6477	DFHXG6477
DFH3932	DFHDL3932	DFH4720	DFHVC4720	DFH6479	DFHXG6479
DFH3936	DFHDL3936	DFH4923	DFHJC4923	DFH6480	DFHXG6480
DFH3940	DFHDL3940	DFH5724	DFHER5724	DFH6482	DFHXG6482
DFH3941	DFHDL3941	DFH5725	DFHER5725	DFH6483	DFHXG6483
DFH3942	DFHDL3942	DFH5730	DFHER5730	DFH6484	DFHXG6484
DFH3943	DFHDL3943	DFH5731	DFHER5731	DFH6485	DFHXG6485
DFH4000	DFHMC4000	DFH5732	DFHER5732	DFH6486	DFHXG6486
DFH4500	DFHJC4500	DFH5750	DFHER5750	DFH6487	DFHXG6487
DFH4501	DFHJC4501	DFH5751	DFHER5751	DFH6489	DFHXG6489
DFH4502	DFHJC4502	DFH5752	DFHER5752	DFH6490	DFHXG6490
DFH4503	DFHJC4503	DFH5760	DFHER5760	DFH6491	DFHXG6491
DFH4504	DFHJC4504	DFH5761	DFHER5761	DFH6492	DFHXG6492
DFH4505	DFHJC4505	DFH5762	DFHER5762	DFH6493	DFHXG6493
DFH4506	DFHJC4506	DFH5802	DFHAK5802	DFH6494	DFHXG6494
DFH4507	DFHJC4507	DFH5803	DFHAK5803	DFH6500	DFHXG6500
DFH4508	DFHJC4508	DFH6100	DFHJC6100	DFH6501	DFHXG6501
DFH4509	DFHJC4509	DFH6101	DFHJC6101	DFH6502	DFHXG6502
DFH4510	DFHJC4510	DFH6102	DFHJC6102	DFH6503	DFHXG6503
DFH4511	DFHJC4511	DFH6103	DFHJC6103	DFH6507	DFHXG6507
DFH4514	DFHJC4514	DFH6104	DFHJC6104	DFH6511	DFHXG6511
DFH4516	DFHJC4516	DFH6105	DFHJC6105	DFH6512	DFHXG6512
DFH4519	DFHJC4519	DFH6107	DFHJC6107	DFH6513	DFHXG6513
DFH4521	DFHJC4521	DFH6110	DFHJC6110	DFH6514	DFHXG6514
DFH4522	DFHJC4522	DFH6111	DFHJC6111	DFH6516	DFHXG6516
DFH4523	DFHJC4523	DFH6199	DFHJC6199	DFH6517	DFHXG6517
DFH4524	DFHJC4524	DFH6215	DFHXG6215	DFH6517	DFHXG6517
DFH4525	DFHJC4525	DFH6400	DFHXG6400	DFH6518	DFHXG6518
DFH4526	DFHJC4526	DFH6401	DFHXG6401	DFH6520	DFHXG6520
DFH4527	DFHJC4527	DFH6402	DFHXG6402	DFH6521	DFHXA6521
DFH4528	DFHJC4528	DFH6403	DFHXG6403	DFH6522	DFHXG6522
DFH4529	DFHJC4529	DFH6404	DFHXG6404	DFH6523	DFHXG6523
DFH4530	DFHJC4530	DFH6405	DFHXG6405	DFH6524	DFHXG6524
DFH4531	DFHJC4531	DFH6406	DFHXG6406	DFH6526	DFHXA6526
DFH4532	DFHJC4532	DFH6407	DFHXG6407	DFH6528	DFHXA6528
DFH4533	DFHJC4533	DFH6408	DFHXG6408	DFH6530	DFHXA6530
DFH4534	DFHJC4534	DFH6409	DFHXG6409	DFH6539	DFHXG6539
DFH4536	DFHJC4536	DFH6410	DFHXG6410	DFH6540	DFHXA6540
DFH4559	DFHJC4559	DFH6411	DFHXG6411	DFH6541	DFHXA6541
DFH4560	DFHJC4560	DFH6415	DFHXG6415	DFH6560	DFHXA6560

Old message	New message	Old message	New message
DFH6561	DFHXA6561	DFH6641	DFHXC6641
DFH6563	DFHXA6563	DFH6642	DFHXC6642
DFH6564	DFHXA6564	DFH6643	DFHXC6643
DFH6566	DFHXA6566	DFH6644	DFHXC6644
DFH6567	DFHXA6567	DFH6645	DFHXC6645
DFH6568	DFHXA6568	DFH6646	DFHXC6646
DFH6569	DFHXA6569	DFH6649	DFHXC6649
DFH6570	DFHXA6570	DFH6650	DFHXC6650
DFH6571	DFHXA6571	DFH6651	DFHXC6651
DFH6572	DFHXA6572	DFH6682	DFHXG6682
DFH6573	DFHXA6573	DFH6683	DFHXG6683
DFH6574	DFHXA6574	DFH6700	DFHXO6700
DFH6575	DFHXA6575	DFH6702	DFHXO6702
DFH6576	DFHXA6576	DFH6703	DFHXO6703
DFH6577	DFHXA6577	DFH6704	DFHXO6704
DFH6578	DFHXA6578	DFH6705	DFHXO6705
DFH6580	DFHXA6580	DFH6706	DFHXO6706
DFH6581	DFHXA6581	DFH6707	DFHXO6707
DFH6582	DFHXA6582	DFH6708	DFHXO6708
DFH6583	DFHXA6583	DFH6709	DFHXO6709
DFH6596	DFHXG6596	DFH6712	DFHXO6712
DFH6600	DFHXC6600	DFH6720	DFHXO6720
DFH6601	DFHXC6601	DFH6721	DFHXO6721
DFH6602	DFHXC6602	DFH8300	DFHDX8300
DFH6603	DFHXC6603	DFH8301	DFHDX8301
DFH6604	DFHXC6604	DFH8302	DFHDX8302
DFH6605	DFHXC6605	DFH8303	DFHDX8303
DFH6606	DFHXC6606	DFH8304	DFHDX8304
DFH6607	DFHXC6607		
DFH6608	DFHXC6608		
DFH6609	DFHXC6609		
DFH6610	DFHXC6610		
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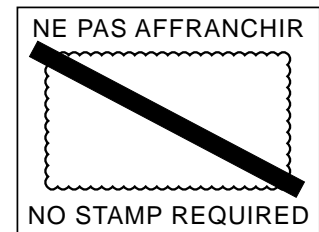
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