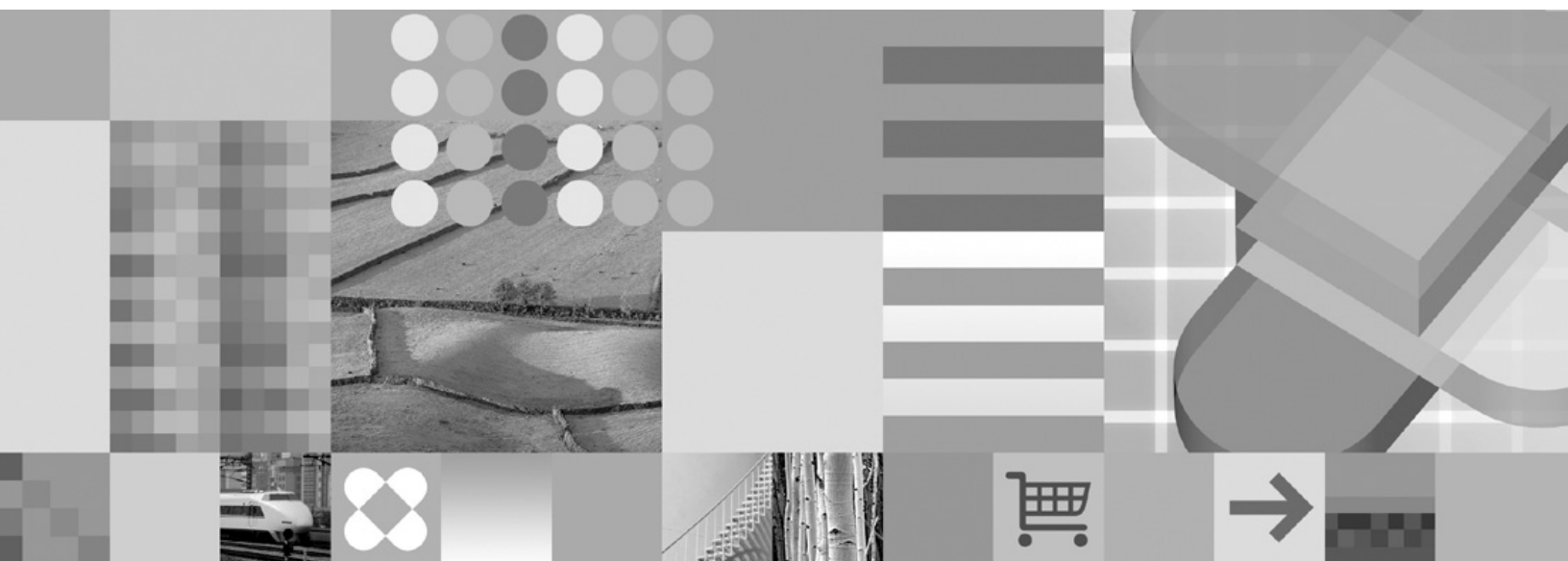




Messages and Codes



Messages and Codes

Note

Before using this information and the product it supports, read the information in "Notices" on page 311.

This edition replaces SC27-1379-07.

This edition applies to Version 8 Release 4 of IBM DB2 Content Manager OnDemand for z/OS and OS/390 (product number 5697-N93), Version 8 Release 4 of IBM DB2 Content Manager OnDemand for Multiplatforms (product number 5724-J33), and Version 5 of IBM DB2 Content Manager OnDemand for i5/OS Common Server (product number 5722-RD1) and to all subsequent releases and modifications until otherwise indicated in new editions.

This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

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About this guide

This reference guide lists the messages and codes that are returned by the IBM® DB2® Content Manager OnDemand (OnDemand) server programs.

Who should use this guide

This reference guide is of primary interest to OnDemand administrators who require more detailed information about returned messages.

How this guide is organized

This reference guide lists the messages that are returned by the OnDemand server programs.

- Part 1, “Server messages,” on page 1 lists the messages that are returned by the OnDemand server programs.
- Part 2, “OAM support services ABEND codes,” on page 155 lists the ABEND codes and reason codes that are returned by the OAM component of OnDemand for z/OS® and OS/390®, Version 7.1.
- Part 3, “JES spool data capture facility ABEND codes,” on page 165 contains ABEND codes, reason codes and messages for the ARSYSPIN program.
- Part 4, “ACIF messages,” on page 179 lists the messages that are returned by ACIF.
- Part 5, “Structured APIs messages,” on page 269 lists the messages that are returned by the structured APIs.
- Part 6, “XML messages,” on page 277 lists the messages that are returned by the arxml command line routine.
- Part 7, “Hints and tips,” on page 291 contains troubleshooting scenarios in addition to information about the PDF indexer trace facility, table space file systems, Tivoli® Storage Manager issues, and the ARSSOCK debug option.

Conventions

The format for date and time, and the characters used as separators for date and time, are intended for a system configured to use the United States national language format (code page 850). These might be different on your display, depending on the code page used by your system.

Where to find more information

Your product package includes a complete set of information to help you plan for, install, administer, and use your system. All product documentation is provided in Portable Document Format (PDF). You can view the PDF files online using the Adobe® Acrobat® Reader for your operating system. If you do not have Acrobat Reader installed, you can download it from the Adobe Web site at www.adobe.com.

Product documentation is also available from the OnDemand Web site (www.ibm.com/software/data/ondemand/) and the IBM Publication Ordering System (www.ibm.com/shop/publications/order).

The following tables list the OnDemand publications for each platform.

Table 1. IBM DB2 Content Manager OnDemand for z/OS and OS/390, Version 8 publications

Title	Order number
<i>Administration Guide</i>	SC19-1213
<i>Configuration Guide</i>	SC19-1212
<i>Indexing Reference</i>	SC19-1214
<i>Introduction and Planning Guide</i>	SC19-1217
<i>Messages and Codes</i>	SC27-1379
<i>Migration Guide</i>	SC19-1216
<i>OnDemand Distribution Facility Installation and Reference Guide</i>	GC19-1218
<i>User's Guide</i>	SC27-0836
<i>Web Enablement Kit Implementation Guide</i>	SC19-1215
<i>Windows® Client Customization Guide and Reference</i>	SC27-0837

The *IBM DB2 Content Manager OnDemand for z/OS: Introduction and Planning Guide* contains a glossary of terms for the OnDemand library. The *IBM DB2 Content Manager OnDemand: User's Guide* has a smaller glossary selected for OnDemand users rather than administrators. The *IBM DB2 Content Manager OnDemand for z/OS: OnDemand Distribution Facility Installation and Reference Guide* includes a glossary of terms that are specific to the OnDemand Distribution Facility.

Table 2. IBM DB2 Content Manager OnDemand for Multiplatforms, Version 8 publications

Title	Order number
<i>Administration Guide</i>	SC18-9237
<i>Indexing Reference</i>	SC18-9235
<i>Installation and Configuration Guide</i>	SC18-9232
<i>Introduction and Planning Guide</i>	GC18-9236
<i>Messages and Codes</i>	SC27-1379
<i>Report Distribution: Installation, Use, and Reference</i>	SC18-9233
<i>User's Guide</i>	SC27-0836
<i>Web Enablement Kit Implementation Guide</i>	SC18-9231
<i>Windows Client Customization Guide and Reference</i>	SC27-0837

The *IBM DB2 Content Manager OnDemand for Multiplatforms: Introduction and Planning Guide* contains a glossary of terms for the OnDemand library. The *IBM DB2 Content Manager OnDemand: User's Guide* has a smaller glossary selected for OnDemand users rather than administrators. The *IBM DB2 Content Manager OnDemand for Multiplatforms: Report Distribution Installation, Use, and Reference* includes a glossary of terms that are specific to the OnDemand Report Distribution feature.

Table 3. IBM DB2 Content Manager OnDemand for i5/OS Common Server, Version 5 publications

Title	Order number
<i>Administration Guide</i>	SC41-5325
<i>Common Server Administration Guide</i>	SC27-1161
<i>Common Server Indexing Reference</i>	SC27-1160
<i>Common Server Planning and Installation Guide</i>	SC27-1158
<i>Common Server Web Enablement Kit Installation and Configuration Guide</i>	SC27-1163
<i>Installation Guide</i>	SC41-5333
<i>Messages and Codes</i>	SC27-1379
<i>User's Guide</i>	SC27-0836
<i>Windows Client Customization Guide and Reference</i>	SC27-0837

Information about other products

You can find the most current information about z/OS and OS/390 from these Web sites:

- OS/390: <http://www.ibm.com/servers/s390/os390>
- z/OS: <http://www.ibm.com/servers/eserver/zseries/zos>

From the above Web sites, follow the Library link to access the z/OS and OS/390 manuals in BookManager[®] READ and Adobe PDF formats. The manuals are also available in Collections on CD-ROM that can be ordered from the IBM Publications Center on the Web.

Use the following links to find the most current information on these products:

- CICS[®]: <http://www.ibm.com/software/ts/cics/>
- DB2 Universal Database[™] (DB2): <http://www.ibm.com/software/data/db2/>
- TCP/IP: To find the most current information about TCP/IP support, refer to the z/OS Web site at <http://www.ibm.com/servers/eserver/zseries/zos> or the OS/390 Web site at <http://www.ibm.com/servers/s390/os390>.
- USS (UNIX[®] System Services): <http://www.ibm.com/servers/eserver/zseries/zos/unix/>

Note: OAM and VSAM are documented under DFSMS/MVS[™] system management software. DFSMS/MVS product information is available from the z/OS and OS/390 Web sites, listed above.

Accessibility information for OnDemand

For complete information about accessibility features that are supported by this product, see your OnDemand *Administration Guide*.

Support available on the Web

IBM provides updated product information online. Follow the Support link at one of these platform-specific Web sites for frequently asked questions, hints and tips, and technical notes.

- Multiplatforms: <http://www.ibm.com/software/data/ondemand/mp/>
- i5/OS[®]: <http://www.ibm.com/software/data/ondemand/400/>

- z/OS and OS/390: <http://www-306.ibm.com/software/data/ondemand/390/>

Education and training

IBM offers several classes for OnDemand administrators. Follow the Training and certification link at one of these platform-specific Web sites for course descriptions and prices.

- Multiplatforms: <http://www.ibm.com/software/data/ondemand/mp/>
- i5/OS: <http://www.ibm.com/software/data/ondemand/400/>
- z/OS and OS/390: <http://www-306.ibm.com/software/data/ondemand/390/>

How to send your comments

Your feedback helps IBM to provide quality information. Please send any comments that you have about this publication or other OnDemand documentation. Visit the IBM Data Management Online Reader's Comment Form (RCF) page at: www.ibm.com/software/data/rcf.

Be sure to include the name of the product, the version number of the product, and the name of the book. If you are commenting on specific text, please include the location of the text (for example, a chapter and section title, a table number, a page number, or a help topic title).

Summary of changes

This reference guide contains additions and changes to information in *IBM DB2 Content Manager OnDemand: Messages and Codes*, (SC27–1379–07). The technical additions and changes are marked with a revision bar (|) in the left margin.

Significant changes to note from SC27–1379–07 include:

- In the Part 1, "Server messages," on page 1 part, revised ARS0160E, ARS1114E, and added ARS5450E, ARS5451E, ARS5452E, ARS5453E.
- In the Part 5, "Structured APIs messages," on page 269 part, added 9120, 9121, 9122, 9123, 9124, and 9125.
- In the Part 6, "XML messages," on page 277 part, added new messages ARS7749E through ARS7788E.
- In the Chapter 2, "Common server messages," on page 5 part, added user response information for example one to message ARS0020E.
- In the Chapter 2, "Common server messages," on page 5 part, added path information for i5/OS and OS/400® systems to messages ARS0104E, ARS0105E, ARS0106E, ARS0111E, ARS0112E, ARS0114E, ARS0115E, ARS0116E, ARS0118E, ARS0119E, ARS0120E, ARS0122E, ARS0123E, ARS0125E, ARS0139E, ARS0140E, ARS0143E, ARS0144E, ARS0146E, ARS0153E, ARS0178E, ARS0189E, ARS0190E, ARS0192E, ARS0194E, ARS0195E, ARS0216E, ARS1123E, ARS1155E, ARS1180E, ARS2209E, ARS3107E, ARS3111E, ARS3115E, ARS4072E, and ARS4703E.
- In the Chapter 9, "ACIF messages," on page 183 part, revised message APK448S.
- In the Chapter 9, "ACIF messages," on page 183 part, added message APK2105I.
- In the Part 1, "Server messages," on page 1 part, added information about the maximum number of pages that can be indexed in a single report to message ARS5416E.
- In the Chapter 9, "ACIF messages," on page 183 part, enhanced the explanation and added troubleshooting information to message APK410S.

Part 1. Server messages

Chapter 1. Introduction to server messages

You can use the information in this publication to identify OnDemand server errors or problems and resolve them by using the appropriate recovery action.

Other message sources

Some server components return messages that are not described in this publication. Some of the message might include:

- Operating system
- Database manager
- Archive storage manager
- Server print manager

In most cases, these messages provide sufficient information to determine the cause of the warning or error. For more information about the product that generated the messages, see the appropriate manual where the product is documented. It is assumed that you are familiar with the functions of the operating system, database management product, archive storage manager, and server print manager that you are using with OnDemand. You should use the documentation provided for each of these products to identify errors or problems and resolve them by using the appropriate recovery actions.

When running other programs on the system, you might receive messages other than those mentioned in this reference. For information about these messages, see the publications that you received for that program product.

Message identifiers

The OnDemand programs issue the same messages for AIX[®], HP-UX, i5/OS, Sun Solaris Operating Environment (hereinafter referred to as Solaris), Windows, and z/OS.

The format of the message identifier is **ARS***nnnn***t**, where:

ARS The message prefix for OnDemand messages.

nnnn The message number

t The type and severity of the message. One of the following values:

A – Alert message. A warning for an administrator to take action to avoid performance and reliability problems.

D – Debug message. Contains information that an administrator can use to help service and development resolve problems.

E – Error message. Occurs when an OnDemand server program fails.

I – Informational message. Issued by the OnDemand server when a program completes successfully. These messages can assist in providing an audit trail.

W – Warning message. Issued by the OnDemand server when the results of a program might be in question.

The messages that are written to the OnDemand System Log do not contain the ARS prefix and the type suffix. For example, the message that is associated with the failure of a load process would be written as 88 to the system log, while it is listed as ARS0088E in this publication. However, 88 and ARS0088E are one and the same message.

In this publication, the messages and explanations are listed according to the four-digit message numbers (for example, 0088).

Chapter 2. Common server messages

The following messages are issued by the OnDemand server programs.

Unless otherwise stated, all error codes described here are internal error codes used by IBM service and IBM development. A return code of 0 (zero) means that the OnDemand program completed processing without any errors. Unless otherwise stated in a specific message explanation or response, any other return code means that the OnDemand program failed.

Note: Messages 5200 through 5399 are used by the OnDemand for OS/390 and z/OS Version 7.1 migration and are documented in the *IBM DB2 Content Manager OnDemand for z/OS: Migration Guide*.

ARS0013E DB Error: *db_text* -- SQLSTATE=*sqlstate*, SQLCODE=*sqlcode*, File=*file*, Line=*line*

Explanation: The database failed and provided the given information. The messages and codes publication for the database manager product that you are using might provide additional information, including information about database errors and SQL return codes.

Example:

DB Error: Column PATIENT# not in specified tables. -- SQLSTATE=42703, SQLCODE=-206, File=arsdoc.c, Line=624

DB Error: Row not found for UPDATE. -- SQLSTATE=02000, SQLCODE=100, File=arsdoc.c, Line=1682

DB Error: Warning: Unexpected SQL_NO_DATA -- SQLSTATE=Not Defined, SQLCODE=100, File=arsdoc.c, Line=1718

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors and SQL return codes.

ARS0014I DB Info: *text*

Explanation: The *text* information is provided by the database manager. The messages and codes publication for the database manager product that you are using might provide additional information, including information about database errors and SQL return codes.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand.

ARS0015E Unable to find SMS tablespace filesystems. Either the defined SMS filesystems are full or there are no SMS filesystems defined.

Explanation: No storage management subsystem (SMS) filesystems have been defined in *ars.dbfs*, or the SMS filesystems are full or have the wrong permissions. SMS filesystems need to have read-write-execute permissions for the database owner.

User response: Verify the configuration of the SMS filesystem. Either define SMS filesystems or extend the existing SMS filesystems. Verify that the permissions are correct. Then restart the server and resubmit the command.

ARS0016E Unable to allocate enough DMS filesystem space for table. Need(*needed_extents*), Available(*available_extents*), Extent(*extent_size*)

Explanation: There is not enough document management system (DMS) filesystem space available to complete the command.

User response: Define more DMS filesystems. Then restart the server and resubmit the command.

ARS0020E

ARS0020E SM Error: *text*, RC=*return_code*, Reason=*reason*, File=*file*, Line=*line*

Explanation: The storage manager failed. The SM Error portion of this message contains the error message provided to OnDemand by the storage manager in use. The messages and codes publication of the storage manager might provide additional information.

Example 1:

```
SM Error: ASM FAILED TO RETRIEVE OBJECT, RC=2, Reason=0, File=arssms.C, Line=789
Srvr->rdr400m.raleigh.ibm.com 10.37.63.53<-
```

Example 2:

```
ARS0020E SM Error: RC=9, REASON=0, FILE=ARSSMS.C, LINE=431
```

Example 3:

```
SM Error: ARSMVSDW: 0000000B(0000000C-7404FCDB) PROD.ONDEMAND.DATA(BAA.R11),
RC=11, REASON=0, FILE=ARSSMS.C, LINE=304 SRVR->SERVER.FQDN.COM 10.10.1.2<-
```

When RC=11 in an ARS0020E message, the first value in parentheses (0000000C-7412FCDB) corresponds to the OAM return code-reason code. In this case:

- The OAM return code is 12 (X'C).
- Byte 0 of the OAM reason code is X'74, which indicates a DB2 error.
- Bytes 2 and 3 of the OAM reason code are X'FCDB. Converted to decimal, this equates to a SQLCODE of -805 (DBRM or PACKAGE NAME...NOT FOUND IN PLAN).

Issuing the following TSO OSREQ command, using the collection and object names from the ARS0020E message, also yields the same OAM return code and reason code:

```
OSREQ QUERY PROD.ONDEMAND.DATA BAA.R11
OSREQ QUERY unsuccessful. Return code = 0000000C, reason code = 7412FCDB.
OSREQ QUERY response time is 53 milliseconds.
```

Example 4:

```
SM Error: ANS0266I (RC2302) The dsmEndTxn is ABORT, so check the reason field.,
RC=2302, Reason=29, File=arssms.C, Line=744, Srvr->spnode05<-
An unexpected error occurred. Contact your System Administrator and/or consult the
System Log. File=arsadmin.c, Line=576
Unable to store the object >2339FAAA<. Object size 239831.
Loaded 0 rows into the database.
ars_load: Thu Oct 28 17:31:04 BST 2003 -- Loading failed
```

User response: See the messages and codes publication of the storage manager product that you are using with OnDemand for information about the SM Error, RC, and Reason.

| **Example 1:** Check the Archive Storage Manager (ASM) joblog for more information.

Example 2: RC=9 indicates that OnDemand OAM support is not enabled. Check that the following ars.cfg parameters are set correctly (shown here with sample values):

```
ARS_NUM_OAMSRVR=4
ARS_OAM_DB2SSID=DSNA
ARS_OAM_PLAN=CBRIDBS
```

ARS_NUM_OAMSRVR specifies the number of OAM interface tasks to create within the ARSSOCKD address space. A value of zero disables all OAM support within OnDemand. 4 is a typical value.

ARS_OAM_DB2SSID specifies the name of the DB2 subsystem with which OAM interacts. The DB2 subsystem name must be the same as the name that is specified as the operand of the DB2SSID parameter within the IGDSMSxx member of SYS1.PARMLIB. See the *OAM Planning, Installation and Storage Administration Guide for Object Support* (SC35-0391) for further details.

ARS_OAM_PLAN specifies the name of the DB2 application plan used by OAM. See the *OAM Planning, Installation and Storage Administration Guide for Object Support* (SC35-0391) for further details.

Example 3: It is likely that a bind is needed for the CBRIDBS plan. If you recently applied OAM maintenance, ensure that binds that are indicated by hold data are performed.

Example 4: The error is a symptom of having no optical platters available for the storage set that is used by the Application Group. Verify the following:

- Scratch platters are available.
- The *max-scratch* value is set high enough.
- The platters in the storage pool have read/write permission.

ARS0021E Unable to store data to cache because there is no cache defined

Explanation: There are no cache storage filesystems defined on the system. See your *Installation and Configuration Guide* for information about defining cache storage filesystems.

User response: Define and configure one or more cache storage filesystems. Then restart the server and resubmit the command.

ARS0022E Unable to delete the Application Group >appl_group_name<. You must manually delete the TSM filespace >file_space_name< with TSM utilities

Explanation: The storage manager failed because the application group data could not be deleted from Tivoli Storage Manager. If the owner of the OnDemand instance is not root, when a user deletes an application group, OnDemand will delete the application group tables from the OnDemand database but will not delete the application group data from Tivoli Storage Manager.

User response: To delete the application group data from Tivoli Storage Manager, log on to Tivoli Storage Manager and use its utilities to delete the file space that is associated with the application group. The name of the files pace is specified in the message. See your Tivoli Storage Manager documentation for details and instructions.

ARS0023E Object >object_name< in Application Group >appl_grp_name< not found in cache, no other storage defined

Explanation: The object no longer exists in the OnDemand cache and no other storage manager was defined to store the data. The data was expired. Depending on how the application group index expiration was configured, the index information will also expire in the future.

Example:

```
Object >1FAAA< in Application Group >LOANS< not found in cache, no other storage defined
Srvr->rdr400m.raleigh.ibm.com 10.37.63.53<-
```

User response: Verify the storage management configuration on the system and verify the storage management settings for the specified application group.

ARS0024E Object >object_name< in Application Group >appl_grp_name< not found in node >node_name<

Explanation: The object cannot be found in the specified storage node. The data expired from the storage node.

Example:

```
Object >2FAA< in Application Group >JIF< not found in node >PriForever< Srvr->everest.ibm.com<-
```

User response: Verify the storage management settings for the specified application group.

ARS0025E Unable to store data because the cache is full

Explanation: The cache storage filesystems are full.

User response: Add or extend the cache storage filesystems. Then restart the server and resubmit the command.

To check for insufficient space on the filesystems, complete the following steps:

1. Look at the cache configuration file (for example, *ars.cache*) that is pointed to by the *SRVR_SM_CFG* parameter in */usr/lpp/ars/config/ars.ini*.
2. Check the directory or directories specified in *ars.ini* for available space.

ARS0026E • ARS0034I

3. Use the USS command `df -kP /ars1` (where `/ars1` is a directory specified in `ars.cache`) to see how much cache space remains.

ARS0026E Unable to perform action because this server is cache only and does not support the Storage Management Subsystem

Explanation: The system is configured for cache only. However, the storage node definitions are pointing to a storage manager that is not configured.

User response: Either define and configure the storage manager or change the storage node to be cache only. Then restart the server and resubmit the command.

ARS0027E Unable to load the TSM dynamic load library

Explanation: The command failed when attempting to load the Tivoli Storage Manager dynamic load library.

User response: Verify that Tivoli Storage Manager is correctly installed and configured. Then restart the server and resubmit the command.

ARS0030I Login: *hostname*

Explanation: A client successfully logged on to the server. This message is for your information only.

Example:

Login: `dyna.raleigh.ibm.com 9.34.172.252`

User response: No action is required.

ARS0031W Failed login: *hostname*

Explanation: A client failed when attempting to log on to the server.

Example:

Failed login: `stled32.stl.ibm.com 9.112.32.132`

User response: Verify the user ID, password, and server selection. Passwords might be case sensitive. Then resubmit the command.

ARS0032I Logoff

Explanation: A client logged off from the server. This message is for your information only.

User response: No action is required.

ARS0033I Logoff Timeout

Explanation: The server forced a client to log off from the server because the client did not perform an action on the server within the interval of time that is specified by the Inactivity Time Out value.

User response: Log off from the server and log back on to the server. Then resubmit the command. A system administrator can increase the Inactivity Time Out value for this or any other server in the OnDemand administrative client. See the online help in the OnDemand administrative client for more information.

ARS0034I User Add: Userid(*user_name*) Id(*uid*)

Explanation: The specified user was added to the system. This message is for your information only.

Example:

User Add: `Userid(TBROWN) Id(3)`

User response: No action is required.

ARS0035I User Delete: Userid(*user_name*) Id(*uid*)

Explanation: The specified user was deleted from the system. This message is for your information only.

Example:

User Delete: Userid(SBOWMAN) Id(5)

User response: No action is required.

ARS0036I User Update: Userid(*user_name*) Id(*uid*)

Explanation: The specified user was updated. This message is for your information only.

Example:

User Update: Userid(TBROWN) Id(3)

User response: No action is required.

ARS0037I User Update with new Password: Userid(*user_name*) Id(*uid*)

Explanation: The specified user's password was successfully updated. This message is for your information only.

Example:

User Update with new Password: Userid(QONDADM) Id(1)

User response: No action is required.

ARS0038W User Failed Update with new Password: Userid(*user_name*) Id(*uid*)

Explanation: An attempt to update the specified user's password failed.

Example:

User Failed Update with new Password: Userid(QONDADM) Id(1)

User response: Verify the user ID and the new password and then resubmit the command.

ARS0039I Group Add: Group(*group_name*) Id(*gid*)

Explanation: The specified group was added to the system. This message is for your information only.

Example:

Group Add: Group(SUPPORT) Id(80102)

User response: No action is required.

ARS0040I Group Delete: Group(*group_name*) Id(*gid*)

Explanation: The specified group was deleted from the system. This message is for your information only.

Example:

Group Delete: Group(Accounting) Id(80021)

User response: No action is required.

ARS0041I Group Update: Group(*group_name*) Id(*gid*)

Explanation: The specified group was updated. This message is for your information only.

Example:

Group Update: Group(ACCOUNTING) Id(80001)

User response: No action is required.

ARS0042I • ARS0048I

ARS0042I User to Group Add: User(*user_name*) Id(*uid*), Group(*group_name*) Id(*gid*)

Explanation: The specified user was added to the specified group. This message is for your information only.

Example:

User to Group Add: User(Accounting) Id(80021), Group(D:\7107\arc\admin\Arsadmin.cpp) Id(3047)
User to Group Add: User(CALLEN) Id(4), Group(Accounting) Id(80021)

User response: No action is required.

ARS0043I User to Group Delete: User(*user_name*) Id(*uid*), Group(*group_name*) Id(*gid*)

Explanation: The specified user was deleted from the specified group. This message is for your information only.

Example:

User to Group Delete: User(CALLEN) Id(4), Group(Accounting) Id(80021)

User response: No action is required.

ARS0044I Folder Add: Name(*folder_name*) Fid(*fid*)

Explanation: The specified folder was added to the system. This message is for your information only.

Example:

Folder Add: Name(CHKSTMTS1R) Fid(5015)

User response: No action is required.

ARS0045I Folder Delete: Fid(*fid*)

Explanation: The specified folder was deleted from the system. This message is for your information only.

Example:

Folder Delete: Fid(TENANT)
Folder Delete: Fid(5487)

User response: No action is required.

ARS0046I Folder Update: Name(*folder_name*) Fid(*fid*)

Explanation: The specified folder was updated. This message is for your information only.

Example:

Folder Update: Name(Check Statements Folder) Fid(5064)

User response: No action is required.

ARS0047I ApplGroup to Folder Add: Agid(*agid*) Aid(*aid*) Fid(*fid*)

Explanation: The specified application group was added to the specified folder. This message is for your information only.

Example:

ApplGroup to Folder Add: Agid(5028) Aid(0) Fid(5030)

User response: No action is required.

ARS0048I ApplGroup to Folder Delete: Agid(*agid*) Aid(*aid*) Fid(*fid*)

Explanation: The specified application group was deleted from the specified folder. This message is for your information only.

User response: No action is required.

ARS0049I ApplGroup to Folder Update: Agid(*agid*) Fid(*fid*)

Explanation: The specified application group was updated in the specified folder. This message is for your information only.

User response: No action is required.

ARS0050I Id to Folder Add: Id(*id*) Fid(*fid*)

Explanation: Permissions were added to the specified folder for the user or group with the specified ID. This message is for your information only.

Example:

Id to Folder Add: Id(2) Fid(5015)

User response: No action is required.

ARS0051I Id to Folder Delete: Id(*id*) Fid(*fid*)

Explanation: Permissions were deleted from the specified folder for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0052I Id to Folder Update: Id(*id*) Fid(*fid*)

Explanation: Permissions were updated in the specified folder for the user or group with the specified ID. This message is for your information only.

Example:

Id to Folder Update: Id(MERCH20) Fid(5065)

User response: No action is required.

ARS0053I ApplGroup Add: Name(*appl_grp_name*) Agid(*agid*)

Explanation: The specified application group was added to the system. This message is for your information only.

Example:

ApplGroup Add: Name(PatChecks) Agid(5174)

User response: No action is required.

ARS0054I ApplGroup Delete: Name(*appl_grp_name*) Agid(*agid*)

Explanation: The specified application group was deleted from the system. This message is for your information only.

Example:

ApplGroup Delete: Name(RD4575) Agid(5061)

User response: No action is required.

ARS0055I ApplGroup Update: Name(*appl_grp_name*) Agid(*agid*)

Explanation: The specified application group was updated. This message is for your information only.

Example:

ApplGroup Update: Name(LUMBER) Agid(5016)

User response: No action is required.

ARS0056I • ARS0062I

ARS0056I Id to ApplGroup Add: Id(*id*) Agid(*agid*)

Explanation: Permissions were added to the specified application group for the user or group with the specified ID. This message is for your information only.

Example:

Id to ApplGroup Add: Id(29) Agid(15224)

User response: No action is required.

ARS0057I Id to ApplGroup Delete: Id(*id*) Agid(*agid*)

Explanation: Permissions were deleted from the specified application group for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0058I Id to ApplGroup Update: Id(*id*) Agid(*agid*)

Explanation: Permissions were updated in the specified application group for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0059I Appl to ApplGroup Add: Name(*appl_name*) Aid(*aid*) Agid(*agid*)

Explanation: The specified application was added to the specified application group. This message is for your information only.

Example:

Appl to ApplGroup Add: Name(CHECKSTMTS) Aid(5514) Agid(5512)

User response: No action is required.

ARS0060I Appl to ApplGroup Delete: Aid(*aid*) Agid(*agid*)

Explanation: The specified application was deleted from the specified application group. This message is for your information only.

Example:

Appl to ApplGroup Delete: Aid(PATBILLS) Agid(5044)

User response: No action is required.

ARS0061I Appl to ApplGroup Update: Name(*appl_name*) Aid(*aid*) Agid(*agid*)

Explanation: The specified application was updated in the specified application group. This message is for your information only.

Example:

Appl to ApplGroup Update: Name(CHECKSTMTS) Aid(5063) Agid(5062)

User response: No action is required.

ARS0062I Id to Appl Add: Id(*id*) Aid(*aid*) Agid(*agid*)

Explanation: Logical views were added to the specified application for the user with the specified ID. This message is for your information only.

Example:

Id to Appl Add: Id(17) Aid(5057) Agid(5056)

User response: No action is required.

ARS0063I Id to Appl Delete: Id(*id*) Aid(*aid*) Agid(*agid*)

Explanation: Logical views were deleted from the specified application for the user with the specified ID. This message is for your information only.

User response: No action is required.

ARS0064I Id to Appl Update: Id(*id*) Aid(*aid*) Agid(*agid*)

Explanation: Logical views were updated in the specified application for the user with the specified ID. This message is for your information only.

Example:

Id to Appl Update: Id(10) Aid(5027) Agid(5024)

User response: No action is required.

ARS0065I ApplGroup Query: Name(*appl_grp_name*) Agid(*agid*) Sql(*sql*) SqlR(*sql_restrict*) TextSearch(*text_search_str*) AnnColor(*ann_color*) AnnText(*ann_text*)

Explanation: A query was run against the specified application group. This message is for your information only.

Example:

ApplGroup Query: Name(QPJOBLOG) Agid(5081) Sql(WHERE jobdate BETWEEN 11470 AND 11654) SqlR()
TextSearch() AnnColor(-1) AnnText()

User response: No action is required.

ARS0066I ApplGroup DocGet: Name(*appl_grp_name*) Agid(*agid*) ApplName(*appl_name*) Aid(*aid*)
NodeName(*node_name*) Nid(*nid*) Server(*server*) Time(*time*) FlDs(*fields*)

Explanation: A document was retrieved from the specified application group. This message is for your information only.

Example:

ApplGroup DocGet: Name(QPJOBLOG) Agid(5081) ApplName(QPJOBLOG) Aid(5082) NodeName(-CACHE-) Nid(1)
Server(-LOCAL-) Time(0.322) FlDs()

User response: No action is required.

ARS0067I ApplGroup ResGet: Name(*appl_grp_name*) Agid(*agid*) NodeName(*node_name*) Nid(*nid*) Server(*server*)
Time(*time*)

Explanation: A resource was retrieved from the specified application group. This message is for your information only.

Example:

ApplGroup ResGet: Name(INS) Agid(6843) NodeName(-CACHE-) Nid(25) Server(-LOCAL-) Time(0.069)

User response: No action is required.

ARS0068I Annotation Add: Name(*appl_grp_name*) Agid(*agid*)

Explanation: An annotation to a document was added to the specified application group. This message is for your information only.

Example:

Annotation Add: Name(CHECKSTMTS) Agid(5081)

User response: No action is required.

ARS0069I • ARS0077I

ARS0069I Annotation Id Add: Id(id) Name(appl_grp_name) Agid(agid)

Explanation: An annotation to a document was added to the specified application group for the user or group with the specified ID. This message is for your information only.

Example:

Annotation Id Add: Id(3) Name(FLASHSALES) Agid(5015)

User response: No action is required.

ARS0070I Annotation Delete: Name(appl_grp_name) Agid(agid)

Explanation: An annotation to a document was deleted from the specified application group. This message is for your information only.

User response: No action is required.

ARS0071I Annotation Id Delete: Id(id) Name(appl_grp_name) Agid(agid)

Explanation: An annotation to a document was deleted from the specified application group for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0072I Named Query Add: Name(named_query) Fid(fid)

Explanation: The specified named query was added to the system. This message is for your information only.

User response: No action is required.

ARS0073I Id Named Query Add: Id(id) Name(named_query) Fid(fid)

Explanation: The specified named query was added to the system for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0074I Named Query Delete: Name(named_query) Fid(fid)

Explanation: The specified named query was deleted from the system. This message is for your information only.

User response: No action is required.

ARS0075I Id Named Query Delete: Id(id) Name(named_query) Fid(fid)

Explanation: The specified named query was deleted from the system for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0076I Named Query Update: Name(named_query) Fid(fid)

Explanation: The specified named query was updated. This message is for your information only.

User response: No action is required.

ARS0077I Id Named Query Update: Id(id) Name(named_query) Fid(fid)

Explanation: The specified named query was updated for the user or group with the specified ID. This message is for your information only.

User response: No action is required.

ARS0078I System Update

Explanation: This message is for your information only.

User response: No action is required.

ARS0079I ApplGroup DocDelete: Name(*appl_grp_name*) Agid(*agid*) Flds(*fields*)

Explanation: A document was deleted from the specified application group. This message is for your information only.

User response: No action is required.

**ARS0080I ApplGroup DocUpdate: Name(*appl_grp_name*) Agid(*agid*) OrigFlds(*original_fields*)
UpdFlds(*updated_fields*)**

Explanation: A document was updated in the specified application group. This message is for your information only.

Example:

ApplGroup DocUpdate: Name(INVOICES) Agid(5056) OrigFlds(951807600,'RED','') UpdFlds(951807600,'GREEN','')

User response: No action is required.

**ARS0081I ApplGroup ObjRetrieve: Name(*appl_grp_name*) Agid(*agid*) ObjName(*object_name*)
NodeName(*node_name*) Nid(*nid*) Server(*server*) Off(*offset*) Len(*length*) Time(*time*)**

Explanation: The specified storage object was retrieved from the specified application group. This message is for your information only.

Example:

ApplGroup ObjRetrieve: Name(APM00280) Agid(5016) ObjName(2FAAA) NodeName(-CACHE-) Nid(1)
Server(-LOCAL-) Off(0) Len(33778) Time(0.013)

User response: No action is required.

**ARS0082I ApplGroup ObjStore: Name(*appl_grp_name*) Agid(*agid*) NodeName(*node_name*) Nid(*nid*) Server(*server*)
ObjName(*object_name*) Time(*time*)**

Explanation: The specified storage object was stored in the specified application group. This message is for your information only.

Example:

ApplGroup ObjStore: Name(CHECKS2) Agid(5028) NodeName(-CACHE-) Nid(1) Server(-LOCAL-) ObjName(2)
Time(0.852) ApplGroup ObjStore: Name(CHKSTMTS1R) Agid(5017) NodeName(TESTMP) Nid(2) Server(-LOCAL-)
ObjName(1494FAAA) Time(1.230)

User response: No action is required. For more information about this message, see Chapter 14, "Troubleshooting scenarios," on page 293.

**ARS0083I ApplGroup ObjStore Append: Name(*appl_grp_name*) Agid(*agid*) NodeName(*node_name*) Nid(*nid*)
Server(*server*) ObjName(*object_name*) CompOff(*compress_offset*) CompLen(*compress_length*)**

Explanation: The specified storage object was updated. This message is for your information only.

User response: No action is required.

**ARS0084I ApplGroup Unload DB: Name(*appl_grp_name*) Agid(*agid*) LoadId(*load_id-start_date-stop_date*) Rows
Deleted(*rows_deleted*)**

Explanation: A report was deleted from the database. The message identifies the load ID, which represents the report in the system, the application group, and the number of rows that were deleted from the database. This message is for your information only.

Example:

ARS0085I • ARS0089I

ApplGroup Unload DB: Name(CHKSTMTS1R) Agid(5017) LoadId(756FAA-11311-11311) Rows Deleted(25)

User response: No action is required.

ARS0085I ApplGroup Unload SM: Name(*appl_grp_name*) Agid(*agid*) NodeName(*node_name*) Nid(*nid*) Server(*server*) LoadId(*load_id*) Objects Deleted(*objects_deleted*)

Explanation: A report was deleted by the storage manager. The message identifies the load ID, which represents the report in the system, the application group, storage node, and number of objects that were deleted. This message is for your information only.

Example:

ApplGroup Unload SM: Name(CHKSTMTS1R) Agid(5017) NodeName(-CACHE-) Nid(0) Server(-LOCAL-) LoadId(756FAA) Objects Deleted(1)

User response: No action is required.

ARS0086I ApplGroup Load DB: Name(*appl_grp_name*) Agid(*agid*) Rows(*rows*)

Explanation: A report was loaded into the database. The message identifies the application group and the number of rows that were loaded into the database. This message is for your information only.

Example:

ApplGroup Load DB: Name(CHECKS2) Agid(5028) Rows(100)

User response: No action is required.

ARS0087I ApplGroup Load: Name(*appl_grp_name*) LoadId(*load_id*) File(*file*) InputSize(*input_size*) OutputSize(*output_size*)

Explanation: A report was loaded into the system. The message identifies the application group, the input file, and the load ID. This message is for your information only.

Example:

ApplGroup Load: Name(MOSUNPO) LoadId(5535-2-0-1FAA-12349-12349) File(/QIBM/USERDATA/ONDEMAND/QUSROND/TMP/SP_MOSUNPO_WTH7HTWCXA_DBRYANT_064315_000009_RDR400M_1031023_210136) InputSize(225789) OutputSize(16380)

User response: No action is required.

ARS0088E ApplGroup Failed Load: Name(*appl_grp_name*) LoadId(*load_id*) File(*file*)

Explanation: The load process failed.

Example:

ApplGroup Failed Load: Name(LATECHARGE) LoadId() File(/QIBM/USERDATA/ONDEMAND/QUSROND/TMP/SP_QPRLR133_QPRTJOB_DBRYANT_001467_000022_RDR400M_1021226_132052)

User response: See the other messages that were generated by the ARSLOAD program and see messages in the OnDemand System Log to correct the problem and then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS0089I CD-ROM Creation Manifest: Volume(*volume*)

Explanation: A CD-ROM manifest was created with the specified volume label. This message is for your information only.

User response: No action is required.

ARS0090I BulkProcess: Time(*time*)

Explanation: This message is for your information only.

Example:

BulkProcess: Time(1.798) Srvr->RDR400M.RALEIGH.IBM.COM 9.37.176.228<-

User response: No action is required.

ARS0091I BulkPrint: Time(*time*)

Explanation: This message is for your information only.

Example:

BulkPrint: Time(1.766) Srvr->rdr400m.raleigh.ibm.com 9.37.176.228<-

BULK DOCUMENT RETRIEVAL

```
Application Group   Agid Flds->Handle -----
PATINF001          5014 ->7FAAA,3852,968,0,3272,0x4E,0x4F,0,1,0
```

User response: No action is required.

ARS0092I StorageNode Add: Name(*node_name*) Server(*server*) Nid(*nid*) Sid(*sid*)

Explanation: The specified storage node was added to the system. This message is for your information only.

User response: No action is required.

ARS0093I StorageNode Delete: Name(*node_name*) Server(*server*) Nid(*nid*) Sid(*sid*)

Explanation: The specified storage node was deleted from the system. This message is for your information only.

User response: No action is required.

ARS0094I StorageNode Update: Name(*node_name*) Server(*server*) Nid(*nid*) Sid(*sid*)

Explanation: The specified storage node was updated. This message is for your information only.

User response: No action is required.

ARS0095I StorageSet Add: Name(*set_name*) Sid(*sid*)

Explanation: The specified storage set was added to the system. This message is for your information only.

User response: No action is required.

ARS0096I StorageSet Delete: Name(*set_name*) Sid(*sid*)

Explanation: The specified storage set was deleted from the system. This message is for your information only.

User response: No action is required.

ARS0097I StorageSet Update: Name(*set_name*) Sid(*sid*)

Explanation: The specified storage set was updated. This message is for your information only.

User response: No action is required.

ARS0100I Printer Add: Name(*printer_name*) Queue(*queue*) Pid(*pid*)

Explanation: The specified server printer was added to the system. This message is for your information only.

Example:

Printer Add: Name(QPRINT2) Queue(QGPL/QPRINT2) Pid(5098)

ARS0101I • ARS0106E

User response: No action is required.

ARS0101I Printer Delete: Name(*printer_name*) Queue(*queue*) Pid(*pid*)

Explanation: The specified server printer was deleted from the system. This message is for your information only.

Example:

Printer Delete: Name(QPRINT2) Queue(QGPL/QPRINT2) Pid(5098)

User response: No action is required.

ARS0102I Printer Update: Name(*printer_name*) Queue(*queue*) Pid(*pid*)

Explanation: The specified server printer was updated. This message is for your information only.

Example:

Printer Update: Name(QPRINT2) Queue(QGPL/QPRINT2) Pid(5098)

User response: No action is required.

ARS0103I ApplGroup DocAdd: Name(*appl_grp_name*) Agid(*agid*) Flids(*fields*)

Explanation: A document was added to the specified application group. This message is for your information only.

Example:

ApplGroup DocAdd: Name(dkw-CommonStore) Agid(15796)Flids(955512000,'DEB','doc_add_test')

User response: No action is required.

ARS0104E popen failed for command >*command*<. errno=*errno*

Explanation: The server was unable to handle the request. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS0105E pclose failed for command >*command*<. errno=*errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS0106E Unlink failed for file >*file*<. errno=*errno*

Explanation: The specified file does not exist, or the OnDemand instance owner does not have permission to access it. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

Example:

Unlink failed for file >/QIBM/USERDATA/ONDEMAND/QUSROND/CACHE/retr/KCA/RES/1FAA1<. errno=3025
Srvr->rdr400m.raleigh.ibm.com 10.37.63.53<-

User response: Verify that the file exists and that the OnDemand instance owner has permission to access it. See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS0107E Unknown file or directory in cache >path_name<

Explanation: An unexpected error occurred during the execution of this program.

Example:

Unknown file/dir in cache >/arscache1/everest< Srvr->rdr400m.raleigh.ibm.com 10.37.63.53<-

User response: If the problem persists, contact your IBM Service Representative.

ARS0108E Unable to validate library server

Explanation: The library and object servers failed to validate that they belong to the same OnDemand instance.

Example:

Unable to validate library server Srvr->RDR400M.RALEIGH.IBM.COM<-

User response: Verify that the OnDemand instance is properly configured. Restart the servers. If the problem persists, contact your IBM Service Representative.

ARS0109I Cache Expiration: Internal Date(*internal_date*) MinPct(*minimum_percentage*)
MaxPct(*maximum_percentage*) Server(*server*)

Explanation: The ARSMAINT program has started to expire data from cache storage. This message is for your information only.

Example:

Cache Expiration: Internal Date(11850) MinPct(0) MaxPct(0) Server(RDR400M.RALEIGH.IBM.COM)

User response: No action is required.

ARS0110I Cache Migration: Internal Date(*internal_date*) Server(*server*)

Explanation: The ARSMAINT program has started to migrate data to archive storage. This message is for your information only.

User response: No action is required.

ARS0111E Unable to determine the link for the file >file_name<. *errno=errno*

Explanation: The OnDemand server was unable to access the specified file. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS0112E Unable to change permissions on the file >file_name<. *errno=errno*

Explanation: The OnDemand server was unable to access the specified file. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS0113E Cache Migration Failed: ApplGroup(*appl_grp_name*) Agid(*agid*) ObjName(*object_name*) Date(*date*)
Server(*server*)

Explanation: The ARSMAINT program failed when attempting to migrate data to archive storage.

User response: See the OnDemand System Log for other messages that are associated with the migration. If the problem persists, contact your IBM Service Representative.

ARS0114E • ARS0120E

ARS0114E Unable to open file >file_name<. errno=errno

Explanation: The command failed when attempting to open the specified file. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: Verify that the file exists and that the file permissions are correct, then resubmit the command. See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0115E Unable to seek within file >file_name< from offset to length. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0116E Unable to stat file >file_name<. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0117E Offset off and length len is larger than the size of the file >file_name< of size bytes

Explanation: An unexpected error occurred during the execution of this program.

Example:

```
Offset **UNK** and length **UNK** is larger than the size of the file >**UNK**< of **UNK** bytes  
Srvr->rdr400m.raleigh.ibm.com 10.37.63.53<-
```

User response: If the problem persists, contact your IBM Service Representative.

ARS0118E Unable to read from file >file_name<. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0119E Unable to write to file >file_name<. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

Example:

```
Unable to write to file >/arscache1/13585/SL/DOC/1502FAA<. errno=28 Srvr->everest.ibm.com<-
```

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0120E Unable to lock the file >file_name<. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0122E Unable to close the file `>file_name<. errno=errno`

Explanation: An unexpected error occurred during the execution of this program. The `errno` value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0123E Unable to stat filesystem `>filesystem_name<. errno=errno`

Explanation: The ARSMANT program failed when attempting to run statistics on the specified filesystem. The `errno` value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: Verify that the filesystem exists and verify the filesystem permissions, then resubmit the command. See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0124I Filesystem Stats `Name(filesystem_name) Data(percent_full%%) Inodes(inode_percent_full%%)`

Explanation: The ARSMANT program has started to run statistics on the specified filesystem. This message is for your information only.

Example:

```
Filesystem Stats Name(/arscache1) Data(84%) Inodes(1%) Srvr->everest.ibm.com 9.99.999.999<-
```

User response: No action is required.

ARS0125E Unable to create symbolic link from file `>symbolic_name< to >file_name<. errno=errno`

Explanation: An unexpected error occurred during the execution of this program. The `errno` value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

Example:

```
Unable to create symbolic link from file >/QIBM/USERDATA/ONDEMAND/ONDPERFORM/CACHE/ONDPERFORM/retr/SL/APPEND< to >/QIBM/USERDATA/ONDEMAND/ONDPERFORM/CACHE/ONDPERFORM/21667/SL/DOC/9FAA<. errno=3457
Srvr->RDR400M.RALEIGH.IBM.COM<-
```

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0126I ApplGroup Document Expire: Name `(appl_grp_name) Agid(igid) Cnt(documents_expired)`

Explanation: The ARSMANT program is using the document expiration method to delete items from an application group. This message is for your information only.

Example:

```
ApplGroup Document Expire: Name(sp-00021) Agid(15197) Cnt(14)
```

User response: No action is required.

ARS0127I ApplGroup Load Expire: Name `(appl_grp_name) LoadId(igid-pri_nid-sec_nid-name-start_date-stop_date)`

Explanation: The ARSMANT program is using the load expiration method to delete items from an application group. This message is for your information only.

Example:

```
ApplGroup Load Expire: Name(CHKSTMTS1R) LoadId(5017-2-0-756FAA-11311-11311)
```

User response: No action is required.

ARS0128I • ARS0135I

ARS0128I ApplGroup Segment Expire: Name(*appl_grp_name*) Agid(*agid*) Seg(*segment_name*)

Explanation: The ARSMAINT program is using the segment expiration method to delete items from an application group. This message is for your information only.

Example:

ApplGroup Segment Expire: Name(test-ebcdic-cc-trc) Agid(15757) Seg(YJF1)

User response: No action is required.

ARS0129A Filesystem Full Name(*filesystem_name*) Data(*percent_full*%) Inodes(*inode_percent_full*%)

Explanation: The cache storage filesystem is almost full.

User response: Either extend the existing cache storage filesystem or add new cache storage filesystems. Then restart the server.

ARS0130E No logical place to store object >*object_name*<

Explanation: The command failed when attempting to store the object because there are no cache storage file systems that are defined to the system or the archive storage manager is not properly configured.

User response: To use cache storage, define and configure OnDemand cache storage filesystems. To use archive storage, install and configure the archive storage manager. Then restart the server and resubmit the command.

ARS0131E No logical place to retrieve object >*object_name*<

Explanation: The command failed when attempting to retrieve the object because there are no cache storage filesystems defined to the system or the archive storage manager is not properly configured.

User response: To use cache storage, define and configure OnDemand cache storage filesystems. To use archive storage, install and configure the archive storage manager. Then restart the server and resubmit the command.

ARS0132I Printer Options Add: Name(*printer_opts_name*)

Explanation: Printer options were added. This message is for your information only.

User response: No action is required.

ARS0133I Id Printer Options Add: Id(*id*) Name(*printer_opts_name*)

Explanation: Printer options were added for the user with the specified ID. This message is for your information only.

Example:

Id Prt Options Add: Id(12) Name(rosa)

User response: No action is required.

ARS0134I Printer Options Delete: Name(*printer_opts_name*)

Explanation: Printer options were deleted. This message is for your information only.

User response: No action is required.

ARS0135I Id Printer Options Delete: Id(*id*) Name(*printer_opts_name*)

Explanation: This message is for your information only.

User response: No action is required.

ARS0136I Printer Options Update: Name(*printer_opts_name*)

Explanation: This message is for your information only.

User response: No action is required.

ARS0137I Id Printer Options Update: Id(*id*) **Name**(*printer_opts_name*)

Explanation: This message is for your information only.

User response: No action is required.

ARS0138E BulkPrint Failed

Explanation: The server print function failed.

Example:

```
BulkPrint Failed Srvr->everest.ibm.com 9.99.999.999<-
```

User response: See the OnDemand System Log for other messages that are associated with the server print function. If the problem persists, contact your IBM Service Representative.

ARS0139E Unable to exec program >*command*<. **errno**=*errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0140E Unable to fork. errno=*errno*, **File**=*file*, **Line**=*line*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0141E Ran out of load-id naming conventions. Increase the size of the Application Group Object Size.

Explanation: The system was unable to create new object names because it exceeded the number of available object names for this application group. The object size controls how much space is allotted for objects in an application group.

User response: Increase the object size on the application group's Advanced Storage Management page in the OnDemand administrative client. Then resubmit the command.

ARS0142E Connection cannot be established for the >*hostname*< **server**

Explanation: The client was unable to connect to the specified server.

Example:

```
Connection cannot be established for the >PRODUCTION< server. Srvr->everest.ibm.com<-
```

User response: Verify that the server is available, that it is properly configured, and that the required programs are running. Then resubmit the command.

ARS0143E • ARS0150E

ARS0143E Unable to create stream communications. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0144E Unable to create socket communications. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0145E The communication layer was unable to send data. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems and resides in `/usr/include/errno.h` on z/OS and OS/390 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0146E The communication layer was unable to receive data. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0147E Unable to initialize server environment. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: Check the configuration files `ars.ini` and `ars.cfg` to verify that file system paths and parameters are correct. If the problem persists, contact your IBM Service Representative.

ARS0149E Unable to initialize server communications. *rc=returnCode*

Explanation: A communication error occurred. Either the OnDemand server was already started, TCP/IP was not started, or there is a configuration problem. The `ARSSOCK=` debug parameter in `ars.cfg` can help you troubleshoot TCP/IP errors.

User response: Check to see that the server is running and that TCP/IP is started. Use the `ARSSOCK=` debug parameter to help you identify possible TCP/IP errors. If the problem persists, contact your IBM Service Representative.

ARS0150E Unable to allocate enough memory. *File=file, Line=line*

Explanation: The system was unable to allocate enough memory.

User response: If the problem persists, contact your IBM Service Representative.

ARS0151E Unable to initialize server database system parameters. Contact your system administrator.

Explanation: The command failed when attempting to initialize the database.

User response: Verify that the OnDemand instance and the database are properly configured. Then resubmit the command.

ARS0152E The command *>command<* can only be run by the owner of the command

Explanation: The command failed when attempting to run the specified command.

User response: Log on to the system as the owner of the command and then resubmit the command.

ARS0153E Unable to change directory to *>directory_name<*. *errno=errno*

Explanation: The system failed when attempting to change to the specified directory. The *errno* value, which might provide additional information, resides in */usr/include/sys/errno.h* on UNIX systems, */usr/include/errno.h* on z/OS and OS/390 systems, and */QIBM/include/errno.h* on i5/OS and OS/400 systems.

User response: Verify that the directory exists and verify the directory permissions. Then resubmit the command. See the *errno.h* file for more information.

ARS0154E Unable to establish server communications with network. *rc=returnCode*

Explanation: A communication error occurred. Either the OnDemand server was already started, TCP/IP was not started, or there is a configuration problem. The ARSSOCK= debug parameter in *ars.cfg* can help you troubleshoot TCP/IP errors.

User response: If the problem persists, contact your IBM Service Representative.

ARS0155E Server is unable to communicate to receive client requests. *rc=returnCode*

Explanation: A TCP/IP failure occurred.

User response: Check to see if TCP/IP is running. Stop and restart the OnDemand Server. If the problem persists, contact your IBM Service Representative.

ARS0156E Server is unable to communicate request with SubSrvr

Explanation: A TCP/IP failure occurred.

User response: Check to see if TCP/IP is running. Stop and restart the OnDemand Server. If the problem persists, contact your IBM Service Representative.

ARS0157E SubSrvr is unable to communicate request with Server

Explanation: A TCP/IP failure occurred.

User response: Check to see if TCP/IP is running. Stop and restart the OnDemand Server. If the problem persists, contact your IBM Service Representative.

ARS0158E Server is unable to initialize database connection. *rc=returnCode*

Explanation: The server failed when attempting to initialize the database.

User response: Verify that the database is running and that you can connect to it. See the OnDemand System Log for other messages that are associated with database initialization. If the problem persists, contact your IBM Service Representative.

ARS0159E • ARS0162E

ARS0159E Server is unable to terminate database connection properly. rc=*returnCode*

Explanation: The server failed when attempting to terminate the database connection.

User response: Verify that the database is running and that you can connect to it. See the OnDemand System Log for other messages that are associated with database initialization. If the problem persists, contact your IBM Service Representative.

ARS0160E Unable to load module >*function_name*<. rc=*returnCode*

Explanation: The system failed when attempting to load the specified dynamic load library. Permissions on the dynamic load library need to be at least read and execute. On a UNIX system, the load module must also exist in the server exits directory (/usr/lpp/ars/bin/exits). On a Windows system, the load module must also exist in the server bin directory (usually C:\Program Files\IBM\OnDemand for WinNT\bin).

Example 1:

```
Unable to load module /usr/lpp/ars/exits/arsusxct. rc=2 Srvr->everest.ibm.com 9.99.999.999<-
```

| **Example 2:**

```
| ARS0160E ARSSOCKD UNABLE TO LOAD MODULE >/USR/LPP/ARS/BIN/EXITS/ARSUSEC<.  
| RC=157 SRVR->ARSSRV02<-
```

User response: Verify that the dynamic load library exists and verify the file permissions. Then resubmit the command.

| For example, if you receive this message with return code 157 as shown in Example 2 above, verify that /usr/lpp/ars/bin/exits/arsusec has the APF bit set by issuing the following from omvs or telnet:

```
| ls -lE /usr/lpp/ars/bin/exits/arsusec
```

| If the result does not include the 'a' flag, as shown below:

```
| -rwxr-xr-x a-s- /usr/lpp/ars/bin/exits/arsusec
```

| use

```
| extattr +a /usr/lpp/ars/bin/exits/arsusec
```

| to set the APF bit.

| If the APF flag is already set, confirm how the HFS was mounted for /usr/lpp/ars/bin/exits. If nosetuid was specified when the mount was issued, the APF bit is ignored. This might also cause return code 157 from ARS0160E even when the APF flag is set for the exit load modules.

ARS0161E The userexit >*userexit_name*< failed. rc=*returnCode*

Explanation: The specified user exit program failed. Permissions on the user exit program need to be at least read and execute. On a UNIX system, the exit module must also exist in the server exits directory (/usr/lpp/ars/bin/exits). On a Windows system, the exit module must also exist in the server bin directory (usually C:\Program Files\IBM\OnDemand for WinNT\bin).

Example:

```
The userexit >QRDARS/ARSUSEC< failed. rc=3 Srvr->RDR400M.RALEIGH.IBM.COM<-
```

User response: Verify that the user exit program functions properly outside of the OnDemand environment. Then resubmit the command.

ARS0162E Unable to determine codepage. Check configuration file ars.cfg for ARS_CODEPAGE variable

Explanation: The command failed when attempting to determine the code page.

User response: Verify that the OnDemand instance is configured correctly and then resubmit the command.

ARS0163E Unable to initialize converter from (codepage, codeset) *input_codepage, input_codeset* to (codepage, codeset) *output_codepage, output_codeset*. rc=returnCode

Explanation: The system was unable to initialize the converter. The required iconv conversion tables are not available.

User response: Check the server's locale directory to make sure the specified conversion tables exist. If the problem persists, contact your IBM Service Representative.

ARS0164I ApplGroup Segment Maintenance: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*) Action(*action*) Time(*time*)

Explanation: The ARSMAINT program collected statistics on the specified table. This message is for your information only.

Example:

ApplGroup Segment Maintenance: Name(ERN-TEST001) Agid(15912) SegName(WLF1) Action(15) Time(0.195)

User response: No action is required.

ARS0165I ApplGroup Segment Expire Maintenance: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*)

Explanation: The ARSMAINT program expired the specified segment from the specified application group. This message is for your information only.

Example:

ApplGroup Segment Expire Maintenance: Name(!UDB-index-expire) Agid(15404) SegName(MFF1)

User response: No action is required.

ARS0166I ApplGroup Segment Export: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*) Time(*time*)

Explanation: The ARSMAINT program migrated the specified segment from the database to archive storage. This message is for your information only.

Example:

ApplGroup Segment Export: Name(test-testdocs-1wp) Agid(15673) SegName(VIF1FAA) Time(2.364)

User response: No action is required.

ARS0167I ApplGroup Segment Import: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*) Time(*time*)

Explanation: The ARSADMIN program imported the specified segment from archive storage to the database. This message is for your information only.

Example:

ApplGroup Segment Export: Name(test-testdocs-1wp) Agid(15673) SegName(VIF1FAA) Time(2.364)

User response: No action is required.

ARS0168E ApplGroup Segment Not Available: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*)

Explanation: The specified segment was required to perform a query, however, the segment was not found in the database.

Example:

ApplGroup Segment Not Available: Name(!UDB-index-migration) Agid(15365) SegName(WEF2)

User response: Ask an administrator to import the specified segment from the archive storage to the database. Then resubmit the command.

ARS0169E • ARS0178E

ARS0169E ApplGroup Segment Migration Failed: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*).
rc=*returnCode*

Explanation: The command failed when attempting to migrate a segment.

User response: See the OnDemand System Log for other messages that are associated with the migration. If the problem persists, contact your IBM Service Representative.

ARS0171E ApplGroup Segment Exists: Name(*appl_grp_name*) Agid(*agid*) SegName(*segment_name*). rc=*returnCode*

Explanation: The command did not import the segment because the segment already exists in the database.

User response: Verify the name of the segment, and the name and ID of the application group. Then resubmit the command.

ARS0172E Filesystem >*filesystem_name*< is not unique. It is common with filesystem >*common_filesystem_name*<

Explanation: Duplicate filesystem names were used in the ars.dbfs configuration file. Filesystem names must be unique.

User response: Change the filesystem configuration so that it contains only unique filesystem names. Then restart the server and resubmit the command.

ARS0173I Annotation Update: Name(*appl_grp_name*) Agid(*agid*)

Explanation: An annotation was updated. This message is for your information only.

Example:

Annotation Update: Name(CHECKSDB) Agid(5025)

User response: No action is required.

ARS0174I Annotation Id Update: Id(*id*) Name(*appl_grp_name*) Agid(*agid*)

Explanation: This message is for your information only.

User response: No action is required.

ARS0175E User >*user_name*< does not have permission to perform the specified action. File=*file*, Line=*line*

Explanation: The specified user does not have the permissions that are required to perform the action.

User response: Update the user to provide the user with permission to perform the action and then resubmit the command. Otherwise, resubmit the command with a different user ID.

ARS0176E BulkTextSearch Failed

Explanation: The command failed when attempting a text search.

User response: See the OnDemand System Log for other messages that are associated with the text search. If the problem persists, contact your IBM Service Representative.

ARS0178E System call failed for command >*command*<. errno=*errno*

Explanation: The OnDemand server failed trying to execute the command. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS0179E License Server Failed. *rc=returnCode*

Explanation: A licensing problem occurred.

User response: If the problem persists, contact your IBM Service Representative.

ARS0180E License Server was unable to initialize the license management system. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0181E License Server failed during termination of the license management system. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0182E License Server was unable to acquire a license from the license management system. *cnt=count, rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0183E License Server was unable to release a license from the license management system. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0184E License Server was unable to reactivate a license from the license management system. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0185E OnDemand license limit has been exceeded, currently *current_licenses* running only *entitled_licenses* are entitled. Please contact an IBM Service Representative.

Explanation: The number of concurrent users exceeds the number of entitled licenses for concurrent users.

User response: Verify the number of client licenses that your organization is authorized to use. Verify the configuration of the client licenses for concurrent users. If the problem persists, contact your IBM Service Representative.

ARS0186I OnDemand started with a license limit of *entitled_licenses*

Explanation: The number of configured entitled licenses for concurrent users is displayed when the OnDemand Library Server starts.

Example:

OnDemand started with a license limit of 50

User response: No action is required.

ARS0187I Unable to establish thread server connection. *rc=returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0188I • ARS0195E

ARS0188I Unable to create thread. rc=*returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0189E Unable to create pipe communications. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0190E System command failed >*command*<. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0191I Segment >*segment_name*< unknown in System Migration

Explanation: The command failed when attempting to find the specified segment in the OnDemand System Migration application group.

User response: Verify the migration parameters, including the name of the segment and the name of the application group. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS0192E Unable to create file >*file_name*<. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0193E Unable to query System Migration Application Group. rc=*returnCode*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS0194E Unable to open directory >*directory_name*<. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: If the problem persists, contact your IBM Service Representative.

ARS0195E Unable to close directory >*directory_name*<. *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

Example:

```
Unable to close directory >**UNK**<. err=(**UNK**) Srvr->everest.ibm.com 9.99.999.999<-
```


User response: See the `errno.h` file for more information. If the problem persists, contact your IBM Service Representative.

ARS0196I Cache Expiration: ApplGroup(*appl_grp_name*) Agid(*agid*) ObjName(*object_name*) Date(*date*) Server(*server*)

Explanation: The ARSMANT program expired the specified storage object from the specified application group. This message is for your information only.

Example:

```
Cache Expiration: ApplGroup(CHKSTMTS1R) Agid(5013) ObjName(95FAAA) Date(11401)
Server(RDR400M.RALEIGH.IBM.COM) Srvr->rdr400m.raleigh.ibm.com 10.36.173.225<-
```

User response: No action is required.

ARS0197I Cache Migration: ApplGroup(*appl_grp_name*) Agid(*agid*) ObjName(*object_name*) Date(*date*) Server(*server*)

Explanation: The ARSMANT program migrated the specified storage object from cache storage to archive storage. This message is for your information only.

Example:

```
Cache Migration: ApplGroup(System Log) Agid(9263) ObjName(1534FAA) Date(11073) Server(libraryserver)
Srvr->everest.ibm.com 9.99.999.999<-
```

User response: No action is required.

ARS0198E Invalid ownership and/or permissions on cache file/directory >*path_name*<

Explanation: The ownership or permissions for the specified cache storage file or directory are not correct. Cache filesystems have specific permissions for directories, which are described in the *Installation and Configuration Guide*.

Example:

```
Invalid ownership and/or permissions on cache file/dir >/arscache1< Srvr ->everest.ibm.com<-
```

User response: Verify the ownership and permissions for the cache storage filesystems and then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS0199E Unexpected empty directory in cache >*directory_name*<

Explanation: The cache directory is empty.

User response: Verify the configuration of the cache storage filesystems and resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS0200E CD-ROM Creation Failed: Volume(*volume*)

Explanation: The command failed when attempting to create the specified CD-ROM.

Example:

```
CD-ROM Creation Failed: Volume(1290)
```

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM creation process. If the problem persists, contact your IBM Service Representative.

ARS0201I Concurrent Licenses: Current(*current_licenses*), Maximum Allowed(*entitled_licenses*)

Explanation: The server generates this message approximately every 30 minutes to display the number of concurrent users on the system (at the time that the message was generated). This message also displays the maximum number of concurrent users that are allowed on the system.

Example:

```
Concurrent Licenses: Current(8), Maximum Allowed(50)
```

ARS0202I • ARS0208I

User response: No action is required.

ARS0202I Concurrent Licenses: Maximum Achieved(*maximum_licenses*), **Maximum Allowed**(*entitled_licenses*)

Explanation: The server generates this message each time that the number of concurrent users on the system *exceeds* the last reported maximum number of concurrent users on the system. This message also displays the maximum number of concurrent users that are allowed on the system. The counter for the maximum number of concurrent users is reset to zero each time that the OnDemand library server is restarted.

Example:

Concurrent Licenses: Maximum Achieved(12), Maximum Allowed(50)

User response: No action is required.

ARS0203I ApplGroup Load: Name(*appl_grp_name*) **LoadId**(*load_id*) **File**(*file*) **InputSize**(*input_size*)
OutputSize(*output_size*)

Explanation: ARSLOAD finished loading. This message is for your information only.

Example:

ApplGroup Load: Name () LoadId () File () Inputsize () OutputSize ()

User response: No action is required.

ARS0204I Printer Add: Name(*printer_name*) **Queue**(*queue*) **Pid**(*pid*)

Explanation: The specified printer was added to the specified queue. This message is for your information only.

Example:

Printer Add: Name(QPRINT2) Queue(QGPL/QPRINT2) Pid(5098)

User response: No action is required.

ARS0205I Printer Delete: Name(*printer_name*) **Queue**(*queue*) **Pid**(*pid*) **IdName**(*id_name*) **Id**(*id*)

Explanation: The specified printer was deleted from OnDemand. This message is for your information only.

Example:

Printer Delete: Name(QPRINT) Queue(QGPL/QPRINT) Pid(5193) IdName() Id(0)

User response: No action is required.

ARS0206I User Id Add: User(*name*) **Id**(*id*), **User**(*owner_name*) **Id**(*owner_id*), **Perms**(*permissions*)

Explanation: The specified user ID was added with the specified permissions. This message is for your information only.

User response: No action is required.

ARS0207I User Id Delete: User(*name*) **Id**(*id*), **User**(*owner_name*) **Id**(*owner_id*)

Explanation: The specified user ID was deleted. This message is for your information only.

Example:

User Id Delete: User(HOMER) Id(998), User(Ulysses) Id(74)

User response: No action is required.

ARS0208I User Id Update: User(*name*) **Id**(*id*), **User**(*owner_name*) **Id**(*owner_id*), **Perms**(*permissions*)

Explanation: The specified user ID was updated as shown. This message is for your information only.

User response: No action is required.

ARS0209I User Id Add: User(name) Id(id), Group(owner_name) Id(owner_id), Perms(permissions)

Explanation: The specified user ID was added to the specified group with the specified permissions. This message is for your information only.

Example:

User Id Add: User(BUZZ) Id(20), Group(noaccess) Id(80041), Perms(3)

User response: No action is required.

ARS0210I User Id Delete: User(name) Id(id), Group(owner_name) Id(owner_id)

Explanation: The specified user ID was deleted from OnDemand. This message is for your information only.

User response: No action is required.

ARS0211I User Id Update: User(name) Id(id), Group(owner_name) Id(owner_id), Perms(permissions)

Explanation: The specified user ID was added to the specified group. This message is for your information only.

User response: No action is required.

ARS0212I BulkTextSearch: Time(time)

Explanation: The search was completed in the length of time indicated. This message is for your information only.

Example:

BulkTextSearch: Time(2.752) Srvr->RDR400M.RALEIGH.IBM.COM<-

BULK DOCUMENT RETRIEVAL

Application Group Agid FlDs->Handle

 PATINF001 5014 ->7FAAA,3852,968,0,3272,0x4E,0x4F,0,1,0

User response: No action is required.

ARS0213I Unable to load the OnDemand DB2 dynamic load library (arsdb2). Check to make sure DB2 is installed and that the db2ln command has been run

Explanation: The command failed when attempting to load the DB2 dynamic load library.

User response: Verify that DB2 is correctly installed and configured. Verify that the links were created for the DB2 files. (Verify that the db2ln command was run successfully.)

ARS0214I Unable to load the OnDemand Microsoft SQL Server dynamic load library (arsmssql.dll)

Explanation: The command failed when attempting to load the Microsoft® SQL Server dynamic load library.

User response: Verify that Microsoft SQL Server is correctly installed and configured.

ARS0215I Unable to load the OnDemand Oracle dynamic load library (arsorcle). Check to make sure that Oracle is installed and that the Oracle shared library (libclntsh.a (AIX), libclntsh.so (SunOS), libclntsh.sl (HPUX), oci.dll (Windows)) is in the shared library path

Explanation: The command failed when attempting to load the Oracle dynamic load library.

User response: Verify that Oracle is correctly installed and configured.

ARS0216E Unable to determine SMS/DMS tablespace type or filesystem is invalid >filesystem_name<. errno=errno

Explanation: The definition of the storage management subsystem (SMS) or document management system (DMS) tablespaces is not valid. The *errno* value, which might provide additional information, resides in /usr/include/sys/

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| errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on
| i5/OS and OS/400 systems.

User response: Verify and correct the tablespace filesystem definitions, then restart the server and resubmit the command. See the errno.h file for more information.

ARS0217E Application Group(*appl_grp_name*) Application(*appl_name*) defines a document with a data type that can not be printed by this server

Explanation: The server print function failed to print a document.

User response: The server print function could not handle the data type of the document that was selected. Resubmit the document to the local print function, which will send the print job to a different printer.

ARS0218E *rtn,lmod,source,reason,cblock,addr,lineNum*

rtn Routine producing the message
lmod Module producing the message
source Source file detecting the problem
reason Reason code describing the error
cblock Control block related to the error
addr Address related to the error
lineNum Line number of the source file detecting the error

Explanation: The software detected an inconsistency in a control block. An attempt was made to produce an SDUMP, but the attempt failed, possibly because DAE prevented it.

User response: The software will attempt to recover. Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS0219E ARSMVSR2 Ssss Uuuuu RSN:xxxxxxx

sss System ABEND code
uuuuu User ABEND code
xxxxxxx ABEND reason code

Explanation: The attempt to log on to OnDemand with a PassTicket was rejected. An ABEND occurred attempting to verify a user PassTicket. An attempt was made to produce an SDUMP, but the attempt failed.

User response: There is probably an error with the information that was returned by the ARS.PTGN dynamic exit. Attempt to correct the exit.

ARS0220I Server code page is *cpgid*

Explanation: The server is using the specified code page. This message is for your information only.

User response: No action is required.

ARS0221I Folder Delete: Name(*name*) Fid(*fid*)

Explanation: The specified folder was deleted from the system. This message is for your information only.

User response: No action is required.

ARS0222W SM Warning: *text*, The requested delete was ignored because data retention protection is turned on in the storage manager.

Explanation: The delete issued to the TSM storage manager did not succeed because data retention protection is turned on. The TSM storage manager issued return code 2302 and reason code 248.

User response: No action is required.

ARS1000I

Usage: `arsadmin [load | load_db | unload | store | retrieve
| import | res_diff | postprocess_cmd | indexer | psf_options
| msgs | compress | decompress | iconv]`
Version: *version*

Explanation: An incorrect parameter was specified for the command.

User response: Resubmit the command with the correct parameters. For more information about this command, see the OnDemand *Administration Guide*.

ARS1001I

Usage: `arsadmin load [options]`
Version: *version*
load Load OnDemand

- a <name> Application Name. (Not needed if 1 app in appl group)
- d <dir> If (-f), then directory to write object files into
(Default current dir)
- e <res_id>
If (-r)
0, Check for duplicates. (Default)
Otherwise, Load as new resource
Else
Resource Id to use. (Defaults to 0, no resource)
- f Create Objects as files. (Default: load while processing)
- g <name> Application Group Name
- h <hostname> OnDemand Hostname
- i <ind_file> Input Index File
- n <pri_nid-sec_nid> Primary/Secondary Node Identifiers
- o <out_file> Output DB File
- p <passwd> OnDemand User Login Password
- r <res_file> Input Resource File
- s <src_file> Input Doc Source File
- u <userid> OnDemand User Login Name
- y <char> Column Delimiter. (Default '|')
- Z <user_def> User defined string passed to load user exit.

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1002I

Usage: `arsadmin load_db [options]`
Version: *version*
load_db Load the database from a file

- a <name> Application Name. (Not needed if 1 app in appl group)
- g <name> Application Group Name
- h <hostname> OnDemand Hostname
- p <passwd> OnDemand User Login Password
- s <db_file> Input Database File
- u <userid> OnDemand User Login Name
- y <char> Column Delimiter. (Default '|')
- L <load_id> LoadId to use for OnDemand
- Z <user_def> User defined string passed to load user exit.

Explanation: An incorrect parameter was specified for the command.

User response: Resubmit the command with the correct parameters.

ARS1003I

Usage: `arsadmin unload [options]`

Version: *version*

unload Unload a LoadId from OnDemand

- g <name> Application Group Name
- h <hostname> OnDemand Hostname
- p <passwd> OnDemand User Login Password
- u <userid> OnDemand User Login Name
- L <load_id> LoadId to delete from OnDemand
- Q Continue if unable to find LoadId in System Log

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1004I

Usage: `arsadmin store [options]`

Version: *version*

store Load file(s) into OnDemand

- d <dir> Directory to find files. (Default current dir)
- g <name> Application Group Name
- h <hostname> OnDemand Hostname
- m <loc> The location to load the data
The values are additive. (Default: 7)
 - 1 Cache (If exists)
 - 2 Primary Node (If exists)
 - 4 Secondary Node (If exists)
- n <pri_nid-sec_nid> Primary/Secondary Node Identifiers
- p <passwd> OnDemand User Login Password
- u <userid> OnDemand User Login Name
- <file1..n> List of files

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1005I

Usage: `arsadmin retrieve [options]`

Version: *version*

retrieve Retrieve file(s) from OnDemand

- b <off> Offset to begin at. (Default 0)
- d <dir> Directory to retrieve files into. (Default current dir)
- g <name> Application Group Name
- h <hostname> OnDemand Hostname
- l <len> Length to end at. (Default object size)
- m <loc> The location to extract the data
The values are additive. (Default: 3)
 - 1 Cache (If exists)
 - 2 Primary Node (If exists)
 - 4 Secondary Node (If exists)
- n <pri_nid-sec_nid> Primary/Secondary Node Identifiers
- p <passwd> OnDemand User Login Password
- u <userid> OnDemand User Login Name
- <file1..n> Retrieve file(s) from OnDemand

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1006I

Usage: `arsadmin import [options]`

Version: *version*

import Import Database Table

-g <name> Application Group Name
-h <hostname> OnDemand Hostname
-p <passwd> OnDemand User Login Password
-u <userid> OnDemand User Login Name
 <table_name> Tablename to reimport

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1007I

Usage: `arsadmin res_diff [options]`

Version: *version*

res_diff Resource Comparison

-a <name> Application Name. (Not needed if 1 app in appl group)
-g <name> Application Group Name
-h <hostname> OnDemand Hostname
-n <pri_nid-sec_nid> Primary/Secondary Node Identifiers
-p <passwd> OnDemand User Login Password
-u <userid> OnDemand User Login Name
 <res_file1..n> Resource File(s) to compare to existing resources

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1008I

Usage: `arsadmin postprocess_cmd [options]`

Version: *version*

postprocess_cmd Write the Post Process Command on stdout

-a <name> Application Name. (Not needed if 1 app in appl group)
-g <name> Application Group Name
-h <hostname> OnDemand Hostname
-p <passwd> OnDemand User Login Password
-u <userid> OnDemand User Login Name

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1009I

Usage: `arsadmin indexer [options]`

Version: *version*

indexer Write the Indexer and Indexer Params on stdout

-a <name> Application Name. (Not needed if 1 app in appl group)
-g <name> Application Group Name
-h <hostname> OnDemand Hostname

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-p <passwd> OnDemand User Login Password
-u <userid> OnDemand User Login Name

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1010I

Usage: `arsadmin psf_options [options]`

Version: *version*

psf_options Write the PSF Print Options on stdout

-a <name> Application Name. (Not needed if 1 app in appl group)
-g <name> Application Group Name
-h <hostname> OnDemand Hostname
-p <passwd> OnDemand User Login Password
-u <userid> OnDemand User Login Name

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1011I

Usage: `arsadmin msgs [options]`

Version: *version*

msgs Log messages to the server

-h <hostname> OnDemand Hostname
-p <passwd> OnDemand User Login Password
-s <src_file> Input ASCII Text File to store with message
-u <userid> OnDemand User Login Name
-M <msg_num> OnDemand Message Number
[arg1] [arg2] [arg3] [arg4]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1012I

Usage: `arsadmin compress [options]`

Version: *version*

compress Compress a file

-b <off> Offset to begin at. (Default 0)
-c <type> Document Compress Type
 'D' Disable compression
 'L' LZW12 Compression
 'N' No Compression
 'O' OD77 Compression (Default)
 'Z' LZW16 Compression
-l <len> Length to end at. (Default file size)
-o <out_file> Output File
-s <src_file> Input File

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1013I

Usage: `arsadmin decompress [options]`
Version: *version*
decompress Decompress a file
-b <off> Offset to begin at. (Default 0)
-c <type> Document Compress Type
 'D' Disable compression
 'L' LZW12 Compression
 'N' No Compression
 'O' OD77 Compression (Default)
 'Z' LZW16 Compression
-l <len> Length to end at. (Default file size)
-o <out_file> Output File
-s <src_file> Input File

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1014I

Usage: `arsadmin iconv [options]`
Version: *version*
iconv Performs codepage conversion
-o <out_file> Output File
-s <src_file> Input File
-F <from_codepage> Input File Codepage
-T <to_codepage> Output File Codepage

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1015I

Usage: `arsadmin logid [options]`
Version: *version*
logid Get a log id from the server
-h <hostname> OnDemand Hostname

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1016I

Usage: `arsadmin update_defs [options]`
Version: *version*
update_defs Updates report definition parameters
-a <name> Application name (not required if only one app in appl group)
-g <name> Application group name
-h <hostname> OnDemand library server or instance name
-p <passwd> OnDemand user login password
-s <src_file> Input document source file
-u <userid> OnDemand user login name
-O <obj_server_name> Name of object server where storage node resides
-R <storage_node_name> Name of storage node where data will be loaded

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Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1017E Storage node >node_name< on object server >obj_server_name< does not exist in storage set >set_name<

Explanation: The storage node cannot be found in the storage set that is used by the application group.

User response: Resubmit the command with a storage node that exists in the storage set that is used by the application group.

ARS1018E The CC Type that was returned by the user exit program is not valid

Explanation: The user exit program returned an unknown CC type. The arscsxit.h file contains the valid values for the CC type.

User response: Change the user exit program to return a valid CC type and resubmit the command.

ARS1019E The RECFM value that was returned by the user exit program is not valid

Explanation: The user exit program returned an unknown RECFM. The arscsxit.h file contains the valid values for the RECFM.

User response: Change the user exit program to return a valid RECFM and resubmit the command.

ARS1020E The LRECL value of >lrecl< that was returned by the user exit program is not valid

Explanation: The user exit program returned an invalid LRECL value. Valid values for the LRECL type are integers between 1 and 32767.

User response: Change the user exit program to return an LRECL value between 1 and 32767 and resubmit the command.

ARS1021E An application cannot be specified without specifying an application group

Explanation: If the name of an application is specified, the application group must also be specified.

User response: Resubmit the command with the name of the application group.

ARS1022E An application group is required when a storage node is specified

Explanation: If a storage node is specified, the application group must also be specified so that the system can determine if the storage node is valid.

User response: Resubmit the command with the name of the application group.

ARS1023E Userid >userid< does not have permission to update application >appl_name< in application group >applgrp_name<

Explanation: The specified user does not have the permissions that are required to perform the action.

User response: Update the user to provide the user with permission to perform the action and then resubmit the command. Otherwise, resubmit the command with a different user ID.

ARS1024I

Usage: sm_expire [options]

Version: version

sm_expire Unloads a list of objects

-h <hostname> OnDemand Hostname

-p <passwd> OnDemand User Login Password
 -s <src_file> Input file containing the list of objects to be expired
 -u <userid> OnDemand User Login Name

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1025I An invalid sm_expire object *object* was found at line *lineno* of file *file*

Explanation: An invalid sm_expire object was found. For more information about this command, see the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS1026E The Delimiter value of >*delim*< that was returned by the user exit program is not valid.

Explanation: The user exit program returned an invalid delimiter value.

User response: Change the user exit program to return a delimiter string that contains valid hexadecimal values such as 25, 0A, or 0D0A.

ARS1101E Application Group and Application were not specified

Explanation: The name of the application group to process was not specified. If there is more than one application in the application group, then the name of the application to process must also be specified.

User response: Resubmit the command with the name of the application group and the name of the application.

ARS1102E Invalid option >*option*< for command >*command*<

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1103E Option >*option*< requires an argument

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1104E The option >*option*< argument >*argument*< is invalid

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1105E Userid or password is invalid

Explanation: An incorrect user ID or password was specified.

User response: Resubmit the command with a valid user ID and password.

ARS1106E Connection cannot be established for the >*hostname*< server

Explanation: The command could not communicate with the specified server.

User response: Resubmit the command with the valid name of an OnDemand server. If the problem persists, verify that the server is running and is configured correctly.

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ARS1107E An unexpected error occurred. Contact your System Administrator and/or consult the System Log.
File=*file*, Line=*line*

Explanation: An unexpected error occurred during the execution of the program. Other messages with the same log ID might provide additional information about the error.

User response: See the OnDemand System Log for other messages that are associated with the command. If the problem persists, contact your IBM Service Representative.

ARS1108E User >*user_name*< does not have permission to perform the specified action

Explanation: The specified user does not have the permissions that are required to perform the action.

User response: Either update the user's permissions and resubmit the command or submit the command with a different user ID.

ARS1109E Unable to allocate enough memory. File=*file*, Line=*line*

Explanation: The command failed when attempting to allocate sufficient memory to run the action.

User response: Determine why memory could not be allocated by looking at the operating system and application task status. If the problem persists, contact your IBM Service Representative.

ARS1110E The application group >*appl_grp_name*< does not exist or user >*user_name*< does not have permission to access the application group

Explanation: Either the specified application group name is not correct or the specified user does not have the permissions that are required to perform the action.

User response: Verify the name of the application group, or verify the user ID and that the user has permission to perform the action. Then resubmit the command.

ARS1111E The application >*appl_name*< does not exist within the application group >*appl_grp_name*<

Explanation: The specified application does not belong to the specified application group.

User response: Verify the name of the application and the name of the application group. Then resubmit the command.

ARS1112E Unable to open the file: *file_name*

Explanation: The specified file does not exist or the permissions do not allow the file to be opened.

User response: Verify that the file exists and that its permissions allow the file to be opened. Then resubmit the command.

ARS1113E Unable to seek to position *offset* in the file: *file_name*

Explanation: The command failed when attempting to find the correct position within the file. The input file might be too large. Input files for ACIF, the PDF Indexer, and the Generic Indexer can not exceed 2 GB. There is no file size limit for the OS/390 Indexer.

User response: Verify the file permissions and verify that the file size does not exceed the maximum file size for the indexing program in use. If the file does exceed the limit, take steps to reduce the size of the file. Then, resubmit the command.

ARS1114E Unable to read from offset *offset_position* for length *length_position* from the file: *file_name*

Explanation: The command failed when attempting to read the specified file. The following is an scenario: While loading an AFP™ report, ARSLOAD scans the output file that was produced by ACIF searching for page groups. The page groups are delimited by Begin Named Group (BNG) and End Named Group (ENG) AFP structured fields. ARSLOAD uses the index file produced by ACIF to determine the location and length of the page groups in the output file. If the end of the output file is encountered before the start of a page group is found or the end of a page group is found, ARSADMIN issues message ARS1114E.

- | **User response:** Verify and correct the offset and length values for the file. Then resubmit the command.
- | In the scenario, set the ACIF parameters CC and CCTYPE as CC=YES and CCTYPE=A. ACIF requires that the page groups in the AFP report be delimited by a BNG and ENG structured field.

ARS1115E Unable to write the file: *file_name*

Explanation: The command failed when attempting to write to the specified file.

User response: Verify that the location for the file contains sufficient free space to write to the file. Then resubmit the command.

ARS1116E Unable to close the file: *file_name*

Explanation: The command failed when attempting to close the specified file.

User response: Verify that the location for the file contains sufficient free space to close the file. Then resubmit the command.

ARS1117E Unable to gather statistics about the file: *file_name*

Explanation: The command failed when attempting to get information about the specified file.

User response: Verify that the file exists and verify the file permissions. Then resubmit the command.

ARS1118E Unable to create the file: *file_name*

Explanation: The command failed when attempting to create the specified file.

User response: Verify that the directory in which the file is being created has sufficient free space and that the directory permissions allow for the creation of files. Then resubmit the command.

ARS1119E File *>file_name<* is empty

Explanation: The specified file contains no data.

User response: Verify that the file exists, that the name of the file is correct, and that the file contains data. Then resubmit the command.

ARS1120E The LZW decompression only handles files with a maximum of *lzw_bits* bits

Explanation: The LZW compression algorithm can only handle from 12 to 16 bits.

User response: See the OnDemand System Log for other messages that are associated with the compression. If the problem persists, contact your IBM Service Representative.

ARS1121E The input file is not in LZW compressed format

Explanation: The input file is not in the LZW format.

User response: Resubmit the command with an input file that is in the correct compression format.

ARS1122E Unable to open the *input_codepage* to *output_codepage* iconv converter

Explanation: The command failed when attempting to open the code page converter.

User response: Verify that the required code page exists. Contact your IBM Service Representative.

ARS1123E Row *row_number*: The iconv converter failed converting string *>string<*. *errno* = *errno*

- | **Explanation:** The command failed when attempting to convert a string. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: Verify that the data is valid within the specified code pages. See the `errno.h` file for more

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information. If the problem persists, contact your IBM Service Representative.

ARS1124E Row *row_number*: The value '*value*' cannot be converted to a valid small integer

Explanation: The specified value is invalid for a small integer. A small integer has a value between -32767 and 32767.

User response: Change the indexing information so that the value is valid for a small integer.

ARS1125E Row *row_number*: The value '*value*' cannot be converted to a valid integer

Explanation: The specified value is invalid for an integer.

User response: Change the indexing information so that the value is valid for an integer.

ARS1126E Row *row_number*: The value '*value*' cannot be converted to a valid decimal number

Explanation: The specified value is invalid for a decimal.

User response: Change the indexing information so that the value is valid for a decimal.

ARS1127E Row *row_number*: The string "*string*" has a length of *length* and the field has a maximum length of *field_length*

Explanation: The length of the specified string exceeds the maximum length of the specified field.

User response: Increase the size of the field in the indexing information or shorten the string. Then resubmit the command.

ARS1128E Row *row_number*: The string "*string*" has the column delimiter in it

Explanation: The command failed because the specified string contains a character that is the same as the column delimiter that is currently being used by the command.

User response: Resubmit the command with a different column delimiter.

ARS1129E Row *row_number*: The string "*string*" could not be converted to a date from the format of *date_format*

Explanation: The string could not be converted to a date because it did not match the date format. Date formats might vary by application. Both the invalid string and the required format are shown in the message.

User response: Change the date value to match the default date format or specify a different date format.

ARS1130E *submitted_fields* fields submitted by the indexer, *expected_fields* expected

Explanation: The load program cannot continue unless it receives all of the fields that are required to store the document. Field requirements might vary by application. Both the submitted fields and the required fields are shown in the message.

User response: Verify that the indexing parameters correctly identify all of the fields that are required. Then resubmit the command.

ARS1131E The compressed object is too small to compress

Explanation: There is not enough input data for the LZW compression algorithm to compress.

User response: Resubmit the command with a different compression option. **Recommended action:** Specify the OD77 compression option.

ARS1132I The compressed object has compressed larger than the original data

Explanation: The compressed data became larger than the original input data. This message is usually the result of trying to compress data that is already compressed.

User response: Disable compression in the application and resubmit the command.

ARS1133I The last row successfully loaded was *row_number*

Explanation: ARSADMIN load_db finished loading. This message is for your information only.

User response: No action is required.

ARS1134E Invalid structured field header in the file *file_name*

Explanation: The AFP data has a structured field header that was not constructed correctly.

User response: Verify that the AFP data conforms to the AFP specification. See the *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1135E Unable to find the X'*structured_field*' structured field in the file *file_name*

Explanation: The AFP data does not contain a required structured field.

User response: Verify that the AFP data conforms to the AFP specification. See the *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1136E Unexpected structured field X'*structured_field*' in the file *file_name*

Explanation: The AFP data contains an invalid structured field.

User response: Verify that the AFP data conforms to the AFP specification. See the *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1137E Unable to find the triplet X'*triplet*' for the structured field X'*structured_field*' in file *file_name*

Explanation: The AFP data does not contain a required triplet for the structured field.

User response: Verify that the AFP data conforms to the AFP specification. See the *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1138W Warning: Unable to find the triplet X'*triplet*' for the structured field X'*structured_field*' in the file *file_name*

Explanation: The AFP data does not contain a required triplet for the structured field, however processing can continue.

User response: Verify that the AFP data conforms to the AFP specification. See *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1139E Unable to find the triplet X'*triplet*' of type X'*type*' for the structured field X'*structured_field*' in the file *file_name*

Explanation: The AFP data does not contain a required triplet type for the structured field.

User response: Verify that the AFP data conforms to the AFP specification. See the *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*, SC31-6802 for more information about the correct format of the structured field.

ARS1140I • ARS1148E

ARS1140I Resource *resource_name* matches the resource *>rid-pri_nid-sec_nid<*

Explanation: A resource that is used by a document already exists on the system. OnDemand will use the resource that exists on the system. This message is for your information only.

User response: No action is required.

ARS1141I Resource *resource_name* does not match any existing resources

Explanation: The specified resource does not exist on the system. This message is for your information only.

User response: No action is required.

ARS1142I Resource *resource_name* will be added as resource *>rid-pri_nid-sec_nid<*. Compression Type(*compress_type*) Original Size(*original_size*) Compressed Size(*compressed_size*)

Explanation: The specified resource was added to the system. This message is for your information only.

User response: No action is required.

ARS1143I The field name '*field_name*' found in the index file does not match any expected fields. The field will be ignored.

Explanation: The specified field was found in the index file. However, the field will not be used because it is not defined in the application group.

User response: No action is required. However, you should verify that the field is not needed to load or retrieve data.

ARS1144I OnDemand Load Id = *>agid-pri_nid-sec_nid-name-start_date-stop_date<*

Explanation: The load ID is given for the current report load. You can use this load ID to find or unload the data from this report load. This message is for your information only.

User response: No action is required.

ARS1145E Line *line_number*: Unable to read next column from input file

Explanation: ARSADMIN failed when attempting to read the input file. This message is usually the result of an invalid delimiter in the input file. The column delimiters are the vertical bar (|) character by default. You can specify a different delimiter on the command line with the **-y** parameter.

User response: Verify that the input file is properly constructed and resubmit the command.

ARS1146I Loaded *rows* rows into the database

Explanation: The specified number of rows were loaded into the database for this report. This message is for your information only.

User response: No action is required.

ARS1147I *rows* rows written to output file

Explanation: The specified number of rows were written to an output file for this report. This message is for your information only.

User response: No action is required.

ARS1148E This application has no indexer defined

Explanation: There is no indexer associated with the OnDemand application.

User response: In the OnDemand administrative client, choose a valid indexer for the application. Then resubmit the command.

ARS1149E This application has an unknown type of indexer

Explanation: The indexer that is specified for the application is not a valid indexer.

User response: In the OnDemand administrative client, choose a valid indexer for the application. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS1150E Document offset cannot be determined from *value*

Explanation: The command failed when attempting to determine the offset of the document.

User response: Specify a valid offset in the index file and resubmit the command.

ARS1151E Document length cannot be determined from *value*

Explanation: The command failed when attempting to determine the length of the document.

User response: Specify a valid document length in the index file and resubmit the command.

ARS1152E Could not find the field name header information

Explanation: The index file does not conform to the OnDemand generic index file format.

User response: Correct the index file so that it conforms to the OnDemand generic index file format. Then resubmit the command. See your *Indexing Reference* for information about, and examples of, the OnDemand generic index file.

ARS1153E Unexpected end of file. Expected *expected_fields* fields, got only *received_fields*

Explanation: The index file does not contain enough index fields.

User response: Correct the index file so that it conforms to the OnDemand generic index file format. Then resubmit the command. See the *Indexing Reference* for information about, and examples of, the OnDemand generic index file.

ARS1154W The password for userid >*user_name*< has expired, please change password

Explanation: The user's password expired.

User response: Change the password for the user and then resubmit the command. Passwords might be case sensitive.

ARS1155E Unable to fork. *errno=errno, File=file, Line=line*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in */usr/include/sys/errno.h* on UNIX systems, */usr/include/errno.h* on z/OS and OS/390 systems, and */QIBM/include/errno.h* on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS1156E The command >*command*< must be run as the instance owner >*instance_owner*<

Explanation: The command must be run under the user ID of the instance owner.

User response: Resubmit the command and specify the user ID of the instance owner.

ARS1157E Unable to store the object >*object_name*<. Object size *object_size*

Explanation: The command failed when attempting to store the specified object.

User response: See the OnDemand System Log for other messages that are associated with the command. If the problem persists, contact your IBM Service Representative.

ARS1158E Failed while attempting to load the database

Explanation: The command failed when attempting to load the database.

User response: Determine the log ID and search the OnDemand System Log for other messages that are associated with the load process. If the problem persists, contact your IBM Service Representative.

ARS1159E Unable to retrieve the object >object_name<

Explanation: The command failed when attempting to retrieve the specified object.

User response: See the OnDemand System Log for other messages that are associated with the retrieve process. If the problem persists, contact your IBM Service Representative.

ARS1160E Unable to get resource identifier

Explanation: The command failed when attempting to get a resource identifier.

User response: See the OnDemand System Log for other messages that are associated with the resource. If the problem persists, contact your IBM Service Representative.

ARS1161E Unable to get LoadId

Explanation: The command failed when attempting to get a load ID.

User response: See the OnDemand System Log for other messages that are associated with the load process. If the problem persists, contact your IBM Service Representative.

ARS1162E Unable to unload data from OnDemand - LoadId(*agid-pri_nid-sec_nid-name-start_date-stop_date*) Rows Deleted(*rows_deleted*)

Explanation: The command failed when attempting to unload data.

User response: See the OnDemand System Log for other messages that are associated with the unload process. If the problem persists, contact your IBM Service Representative.

ARS1163E No source file was specified

Explanation: A source (input) file was not specified.

User response: Resubmit the command with a valid source (input) file.

ARS1164E Unable to register the resource

Explanation: The command failed when attempting to register a resource.

User response: See the OnDemand System Log for other messages that are associated with the resource. If the problem persists, contact your IBM Service Representative.

ARS1165E Unable to get existing resource information

Explanation: The command failed when attempting to get existing resource information.

User response: See the OnDemand System Log for other messages that are associated with the resource. If the problem persists, contact your IBM Service Representative.

ARS1166E Unable to save load information

Explanation: The command failed when attempting to save load information.

User response: See the OnDemand System Log for other messages that are associated with the load process. If the problem persists, contact your IBM Service Representative.

ARS1167E **Warning: Resource >resource_name< is empty, no resource will be used for documents**

Explanation: The resource file is empty.

User response: Verify that the data that is being loaded does not require resources or, if it does, specify a valid resource.

ARS1168E **Unable to determine Storage Node**

Explanation: The command failed to get the storage node information.

User response: See the OnDemand System Log for other messages that are associated with the load process. If the problem persists, contact your IBM Service Representative.

ARS1169W **The object already exists**

Explanation: The object already exists.

User response: Verify the parameters and resubmit the command, or submit the command with a different object name.

ARS1170W **The object does not exist**

Explanation: The server was unable to find a requested object.

User response: Verify the name of the object and resubmit the command with the correct parameters.

ARS1171E **The client and server are incompatible. Reinstall OnDemand**

Explanation: The client software and server software are not compatible. They must be the same version or compatible versions.

User response: Upgrade the client software, the server software, or both to the same version or to compatible versions.

ARS1172E **The operation was unsuccessful because the database is read-only**

Explanation: The command failed when attempting to process a read-only instance of OnDemand.

User response: Resubmit the command to an instance of OnDemand that is not read-only.

ARS1173E **The server connection has timed out**

Explanation: The server forced the command to log off the server because the command did not perform an action on the server within the interval of time that is specified by the inactivity time out value.

User response: Log off the server and log back on to the server. Then resubmit the command. A system administrator can increase the inactivity time out value for this or any other server in the OnDemand administrative client. See the online help in the OnDemand administrative client for more information.

ARS1174E **Internal product logic error. File=*file*, Line=*line***

Explanation: The program encountered an internal error.

User response: Contact your IBM Service Representative.

ARS1175I **Document compression type used - *compress_type*. Bytes Stored = *>bytes_stored<***

Explanation: The specified compression type was used to store the specified number of bytes. This message is for your information only.

User response: No action is required.

ARS1176E • ARS1184I

ARS1176E Large Object had no pages specified. Make sure data has been properly indexed.

Explanation: To load large object documents into the system, the load process requires page-level indexing information.

User response: Verify that the indexing parameters are correct and enable the collection of page-level indexing information. Then resubmit the command.

ARS1177E Field *>field_name<* was expected but not specified

Explanation: The command expected to find a field, but the field was not specified.

User response: Verify and correct the indexing parameters. Then resubmit the command.

ARS1178E Compression failed. *rc=returnCode*

Explanation: The command failed when attempting to compress the data.

User response: Contact your IBM Service Representative.

ARS1179E ICONV Conversion failed. *rc=returnCode*

Explanation: The command failed when attempting to convert the data.

User response: Contact your IBM Service Representative.

ARS1180E Unable to remove the file: *file_name*, *errno=errno*

Explanation: The command failed when attempting to remove a file. The *errno* value, which might provide additional information, resides in */usr/include/sys/errno.h* on UNIX systems, */usr/include/errno.h* on z/OS and OS/390 systems, and */QIBM/include/errno.h* on i5/OS and OS/400 systems.

User response: Verify that the file exists and verify the file permissions, then resubmit the command. See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS1181E The specified LoadId is not valid for the Application Group

Explanation: The load ID is not valid for the application group.

User response: Resubmit the command with a load ID that is valid for the application group.

ARS1182E Unable to convert multibyte character string *>string<* to wide character string

Explanation: The command failed when attempting to convert a multibyte character string.

User response: Contact your IBM Service Representative.

ARS1183E Unable to convert wide character string *>string<* to multibyte character string

Explanation: The command failed when attempting to convert a multibyte character string.

User response: Contact your IBM Service Representative.

ARS1184I OnDemand UnLoad Successful - LoadId(*agid-pri_nid-sec_nid-name-start_date-stop_date*) Rows Deleted(*rows_deleted*)

Explanation: A report was successfully deleted from the system. This message is for your information only.

User response: No action is required.

ARS1185W Warning: Unable to find LoadId in System Log

Explanation: The command failed to find the load ID in the OnDemand System Log. The requested action cannot proceed.

User response: Resubmit the command with a valid load ID.

ARS1186I LoadId matches existing LoadId in System Log

Explanation: The command located the load ID in the OnDemand System Log. Processing continues. This message is for your information only.

User response: No action is required.

ARS1187W Warning: LoadId (*load_id*) partially matches existing LoadId (*existing_load_id*) in System Log

Explanation: The command located a load ID in the OnDemand System Log that contains some of the elements of the specified load ID. The requested action cannot proceed.

User response: Verify that the load ID is valid and then resubmit the command.

ARS1188E Unloading will not continue, specify -Q option to continue

Explanation: The command failed when attempting to find the load ID. The unload command will not continue.

User response: Resubmit the command with the -Q parameter.

ARS1189W Unloading will continue, however you may need to resubmit this command with the correct LoadId

Explanation: The specified load ID will be deleted. However, because the load ID does not represent a complete load process, you might need to take additional action to completely remove the report from the system.

User response: Resubmit the command with the load ID that represents the complete load process.

ARS1190E Unable to determine codepage from codeset *rc*

Explanation: OnDemand was not able to determine the code page or code set.

User response: Contact your IBM Service Representative.

ARS1191E Unable to terminate the iconv conversion *rc*

Explanation: The command failed when attempting to terminate the code page conversion.

User response: Contact your IBM Service Representative.

ARS1192I OnDemand Login:

Explanation: You must enter a user ID that is valid for the instance of OnDemand that is being processed.

User response: Type a valid user ID and press Enter.

ARS1193I OnDemand Password:

Explanation: The password for the user ID used to log on to the OnDemand instance that is being processed is required.

User response: Type the password for the user ID and press Enter.

ARS1194I OnDemand Application Group:

Explanation: The application group to be processed must be identified.

User response: Type the name of the application group and press Enter.

ARS1195I OnDemand Folder:

Explanation: The folder to be processed must be identified.

User response: Type the name of the folder and press Enter.

ARS1196E Invalid generic index file format: >value<

Explanation: The index file contains incorrect index data.

User response: Verify that the index file conforms to the OnDemand generic index file format. Then resubmit the command. See your *Indexing Reference* for information about and examples of the OnDemand generic index file.

ARS1197E Invalid generic index file format sequence

Explanation: The index file contains incorrect index data.

User response: Verify that the index file conforms to the OnDemand generic index file format. Then resubmit the command. See your *Indexing Reference* for information about and examples of the OnDemand generic index file.

ARS1198E Field >field_name< does not match existing Application alias >alias<

Explanation: The specified field does not match the specified application alias. The application alias is defined for each field on the application group's Field Information page.

User response: In the OnDemand administrative client, verify that the alias is defined for the application and correct it if necessary. Then resubmit the command.

ARS1199E Field >field_name< specified multiple times when only one was expected

Explanation: The specified field appears more than once in the index file.

User response: Verify that the correct fields are specified in the index file. Then resubmit the command.

ARS1201I

Usage: arsmaint [-c [-n <min>] [-x <max>]] [-d] [-e] [-f <full>] [-g <name>] [-i] [-I <od_inst>] [-m] [-r] [-R] [-t <internal_date> [-u <userid>] [-p <passwd>]]

Version: *version*

- c Expire Cache
- d Expire Database
- e Migrate Database Tables
- f <full> Cache Full - When to send alert message (defaults to 95%%)
- g <name> Application Group Name (Defaults to all)
- i Expire Migrated Imported Database Tables
- I <od_inst> OnDemand Instance Name
- m Migrate Cache
- n <min> Min cache threshold percentage (Only for -c, Defaults to 80%%)
- p <passwd> OnDemand Passwd (Only for -t)
- r Database Statistics
- R Reload Resources
- s Cache Filesystem statistics
- t <internal_date> Internal Date To Expire/Migrate (Defaults to Today)
- u <userid> OnDemand Userid (Only for -t)
- v Verify/Validate Cache Filesystems
- x <max> Max cache threshold percentage (Only for -c, Defaults to 80%%)

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1202E User >*user_name*< does not have permission to expire data on Application Group >*appl_grp_name*<

Explanation: The specified user does not have permission to expire data from the specified application group.

User response: Specify a user who has permission to expire data from the application group or change the user's permissions. Then resubmit the command.

ARS1301I

Usage: arstblsp [-a <action>] [[-g <name>] [-I <od_inst>]

[-t <table>]] [-u <userid>] [-p <passwd>]

Version: *version*

-a <action> Action to perform

0 - Copy tables into their own tablespace, must specify -g

1 - Close a table that is still open for loading, must specify -g

2 - List the tables that do not have their own tablespace

3 - List the tables that are still open for loading

-d <dir> Directory for export/import file (UNIX default uses a named pipe)

-g <name> Application Group Name

-I <od_inst> OnDemand Instance Name

-p <passwd> OnDemand Passwd

-t <table> Table Name

-u <userid> OnDemand Userid

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS1302E Application Group >*appl_grp_name*< is currently not configured for tablespaces

Explanation: The specified application group is not configured to use table spaces. See the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for information on moving existing tables into table spaces.

User response: In the OnDemand administrative client, configure the application group to use table spaces.

ARS1303I No Tablespace: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: This message is for your information only.

User response: No action is required.

ARS1304I Table still open for loading: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The specified table is still open for loading. A table that is open for loading cannot be migrated to a table space.

User response: Close the table with the ARSTBLSP command. The application group name and table name are required by the ARSTBLSP command, and are provided in the message text.

ARS1305I Closed table successfully: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The ARSTBLSP program successfully closed the specified table. This message is for your information only.

User response: No action is required.

ARS1306E Unable to close table: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The ARSTBLSP program failed when attempting to close the specified table.

User response: Verify the name of the application group and the name of the table. See the OnDemand System Log for other messages that are associated with the task. Resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS1307I Table Empty - Deleted: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The ARSTBLSP program successfully deleted the specified table. This message is for your information only.

User response: No action is required.

ARS1308E Unable to delete table: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The ARSTBLSP program failed when attempting to delete the specified table.

User response: Verify the name of the application group and the name of the table. See the OnDemand System Log for other messages that are associated with the task. Resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS1309I Successful copy of table: ApplGroup(*appl_grp_name*) Agid(*agid*) OldTable(*old_table_name*)
NewTable(*new_table_name*)

Explanation: The ARSTBLSP command successfully copied the specified table. This message is for your information only.

User response: No action is required.

ARS1310E Copy of table failed: ApplGroup(*appl_grp_name*) Agid(*agid*) Table(*table_name*)

Explanation: The ARSTBLSP program failed when attempting to copy the specified table.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS1311E User *>user_name<* does not have permission to convert table space data on Application Group
>appl_grp_name<

Explanation: The specified user does not have permission to convert table space data for the application group.

User response: Specify a user who has permission to convert table space data for the application group or permit the specified user to have administrator authority for the application group. Then resubmit the command.

| **ARS1400E** Duplicate load of *>file<* detected. Application group *>applgrp<*, partial loadid *loadid*.

| **Explanation:** An attempt was made to load a file that failed a prior load.

| **User response:** Use the arsadmin unload -Q -L load ID to unload the failed load.

ARS2061W Change Expired Logon Password

Explanation: The user's password expired and must be changed.

User response: Change the user's password and resubmit the command. Passwords might be case sensitive.

ARS2063I Accessing database

Explanation: This message is for your information only.

User response: No action is required.

ARS2067I Logon to Server '*hostname*'

Explanation: This message is for your information only.

User response: No action is required.

ARS2068I *action* a Server

Explanation: This message is for your information only.

User response: No action is required.

ARS2071I Please Select a Computer

Explanation: This command failed because a computer was not specified.

User response: Select a computer and then resubmit the command.

ARS2072I Do you wish to exit without Adding or Updating your last change?

Explanation: The Cancel command was submitted but changes have not been committed.

User response: Specify whether to exit without adding or updating the last change.

ARS2073E The Port value must be 1-4 digits

Explanation: The port number that was specified is not a valid port number.

User response: Specify a valid port number and resubmit the command.

ARS2074E The Drive Letter value must be a single alphabetic character

Explanation: The drive letter that was specified is not a valid drive letter. Valid drive letters are A-Z.

User response: Specify a single alphabetic drive letter and resubmit the command.

ARS2075E A server must be chosen. If none are listed, use the Update Servers button to define one or more servers.

Explanation: An attempt was made to log on, but no server was specified.

User response: Select a server from the list and log on. If the server that you want is not listed, click **Update Servers** to specify a new server. Then select the new server and log on.

ARS2076E *** LOGIC ERROR: An unknown message id was returned by the Common Server

Explanation: OnDemand encountered an internal error.

User response: Contact your IBM Service Representative.

ARS2077E Mapping file '*file_name*' for codepage *codepage* not found. The default will be used.

Explanation: The client was unable to locate a mapping file required for converting a code page. The default mapping file will be used instead.

User response: Verify that the client is correctly installed. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS2078E Could not initialize Common Server. Locale path is '*path_name*'

Explanation: The command failed when attempting to initialize the client software.

User response: Verify that the client is correctly installed. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS2079E The zoom specification must be in the range *min_zoom%%* to *max_zoom%%*

Explanation: The zoom percentage that was specified is not within the valid range. The valid range varies by data type and is indicated in the error message.

User response: Resubmit the command with a correct value for the zoom percentage.

ARS2080E The server name is required. Enter a valid server name.

Explanation: The server name that was specified is not valid.

User response: Resubmit the command with a valid server name.

ARS2081E Unable to add the server. The server already exists.

Explanation: The name that was specified for the server already exists on the system.

User response: Resubmit the command with a server name that does not already exist on the system.

ARS2082E The UNC name is required. Enter a valid UNC name (ex. \\name).

Explanation: The UNC (universal naming convention) name that was specified is not valid. UNC is a naming convention for describing network servers and share points on servers. UNC names start with two backslash characters followed by the server name. All other fields are separated by a single backslash character. For example: \\server\share

User response: Resubmit the command with a valid UNC name.

ARS2083E Insufficient memory is available to perform the operation

Explanation: There was not enough free memory available to run the command.

User response: Determine why sufficient memory could not be allocated by looking at the operating system and application task status. You might need to stop other processes or reboot the workstation before resubmitting the command.

ARS2084E The client and server are incompatible. Reinstallation of the product is required.

Explanation: The client software and server software are not compatible. They must be the same version or compatible versions.

User response: Upgrade the client software, the server software, or both to the same version or to compatible versions.

ARS2085E The server was unable to initialize. Contact your system administrator.

Explanation: The command failed when attempting to initialize the server.

User response: Contact your IBM Service Representative.

ARS2086E Connection cannot be established for the *hostname* server

Explanation: The client failed when attempting to connect to the specific server.

User response: Verify that the server is properly configured and that the server program is running.

ARS2087E Dynamic Load Library '*dll_name*' could not be found

Explanation: The client failed when attempting to load the specified dynamic load library.

User response: Verify that the OnDemand software is installed correctly. If the problem persists, contact your IBM Service Representative.

ARS2088E The server connection has timed out. You normally need to logoff, logon, and retry the operation. In some cases, an explicit logoff is not needed before the system invites you to logon.

Explanation: The server forced the client to log off from the server because the client did not perform an action on the server within the interval of time that is specified by the Inactivity Time Out value.

User response: Log off from the server and log back on to the server. Then resubmit the command. A system administrator can increase the inactivity time out value for this or any other server in the OnDemand administrative client. See the online help in the OnDemand administrative client for more information.

ARS2089E Information has been modified on the server. Please logoff, logon, and retry the operation.

Explanation: The requested data was modified on the server.

User response: You must log off from the server, log on to the server again, and then retry the operation.

ARS2090E The server failed during a search operation

Explanation: A server program encountered an error during a search operation.

User response: See the OnDemand System Log for other messages that are associated with the search. If the problem persists, contact your IBM Service Representative.

ARS2091E The server failed while accessing folder data

Explanation: A server program encountered an error when accessing a folder.

User response: See the OnDemand System Log for other messages that are associated with the folder operation. If the problem persists, contact your IBM Service Representative.

ARS2092E The server failed while retrieving a named query

Explanation: A server program encountered an error when retrieving a named query.

User response: See the OnDemand System Log for other messages that are associated with the retrieve operation. If the problem persists, contact your IBM Service Representative.

ARS2093E The server failed while updating a named query

Explanation: A server program encountered an error when updating a named query.

User response: See the OnDemand System Log for other messages that are associated with the update operation. If the problem persists, contact your IBM Service Representative.

ARS2094E The server failed while retrieving a document

Explanation: A server program encountered an error when retrieving a document.

User response: See the OnDemand System Log for other messages that are associated with the retrieve operation. If the problem persists, contact your IBM Service Representative.

ARS2095E The server failed while updating a document

Explanation: A server program encountered an error when updating a document.

User response: See the OnDemand System Log for other messages that are associated with the update process. If the problem persists, contact your IBM Service Representative.

ARS2096E The server failed while storing a document

Explanation: A server program encountered an error when storing a document.

User response: See the OnDemand System Log for other messages that are associated with the load process. If the problem persists, contact your IBM Service Representative.

ARS2097E The server failed while deleting a document

Explanation: A server program encountered an error when deleting a document.

User response: See the OnDemand System Log for other messages that are associated with the delete process. If the problem persists, contact your IBM Service Representative.

ARS2098E The server failed while retrieving a resource group

Explanation: A server program encountered an error when retrieving a resource group.

User response: See the OnDemand System Log for other messages that are associated with the retrieve process. If the problem persists, contact your IBM Service Representative.

ARS2099E The server failed while retrieving a storage set

Explanation: A server program encountered an error when retrieving a storage set.

User response: See the OnDemand System Log for other messages that are associated with the retrieve process. If the problem persists, contact your IBM Service Representative.

ARS2100E The server failed while updating user information

Explanation: A server program encountered an error when updating the user information.

User response: See the OnDemand System Log for other messages that are associated with the update process. If the problem persists, contact your IBM Service Representative.

ARS2101E The server failed while retrieving a note

Explanation: A server program encountered an error when retrieving an annotation.

User response: See the OnDemand System Log for other messages that are associated with the retrieve process. If the problem persists, contact your IBM Service Representative.

ARS2102E The server failed while storing a note

Explanation: A server program encountered an error when storing an annotation.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2103E The server failed while deleting a note

Explanation: A server program encountered an error when deleting an annotation.

User response: See the OnDemand System Log for other messages that are associated with the delete process. If the problem persists, contact your IBM Service Representative.

ARS2104E The server failed while updating an application

Explanation: A server program encountered an error when updating an application.

User response: See the OnDemand System Log for other messages that are associated with the update. If the problem persists, contact your IBM Service Representative.

ARS2105E The server failed while querying printers

Explanation: A server program encountered an error when running a query for printers.

User response: See the OnDemand System Log for other messages that are associated with the query. If the problem persists, contact your IBM Service Representative.

ARS2106E The server failed while printing

Explanation: A server program encountered an error when printing.

User response: See the OnDemand System Log for other messages that are associated with the print process. If the problem persists, contact your IBM Service Representative.

ARS2107E The User ID or Password is not valid for the server

Explanation: The user ID or password is not valid for the instance of OnDemand.

User response: Specify a user ID and password that are valid for the instance of OnDemand. Passwords might be case sensitive.

ARS2108E The new password must contain at least *min_passwd_length* characters

Explanation: An attempt was made to change a password, but the new password does not contain the minimum number of characters that are required by the system. Minimum password length is a configurable system parameter for each OnDemand server. See the OnDemand administrative client online help for additional information.

User response: Specify a new password that contains at least the minimum number of characters required by the system.

ARS2109E The first and second specification of the new password are not the same

Explanation: An attempt was made to change a password, but the confirmation value did not match the value that was specified for the new password.

User response: Type the same value in both password fields. Passwords might be case sensitive.

ARS2110E The current password is not correct

Explanation: An incorrect password was used.

User response: Resubmit the command with the correct password.

ARS2111E The user is not permitted to perform the operation

Explanation: The user ID that was specified does not have permission to perform the operation.

User response: Specify a user ID that has permission to perform the operation or permit the user to perform the operation and then resubmit the command.

ARS2112E The operation was unsuccessful because the database is read-only

Explanation: The database cannot be updated because it is read-only. The command cannot be run against a read-only instance of OnDemand.

User response: Resubmit the command against an instance of OnDemand that is not read-only.

ARS2113I The folder cannot be opened because it does not contain any application groups accessible to the user. Contact your system administrator.

Explanation: The user ID does not have access to any of the application groups that are contained in the folder.

User response: Verify the name of the folder and the user ID. Permit the user to access one or more of the application groups that are contained in the folder. Then try to open the folder again.

ARS2114E No search criteria have been specified

Explanation: A search command was attempted but no search criteria were specified.

User response: Specify search criteria for at least one of the search fields and resubmit the command.

ARS2115E • ARS2123E

ARS2115E A value must be specified for *'field'*

Explanation: A search command was attempted but a value for a required field was not specified.

User response: Specify a value for the field and resubmit the command.

ARS2116E *'value'* is invalid for *'field'*. A maximum of *max_chars* character(s) may be entered.

Explanation: The specified search string exceeds the maximum number of characters that are allowed for the field.

User response: Specify a valid search string for the field and resubmit the command.

ARS2117E Only one value was entered for *'field'*. Enter a second value or choose a different comparison operator.

Explanation: A search by using a range was attempted but a valid range was not specified. A valid range consists of two values: the low value and the high value.

User response: Specify a valid range for the field or select a search operator that does not require a range. Then resubmit the search.

ARS2118E *'value'* is invalid for *'field'*. An integer value in the range *'min_range'* to *'max_range'* is required.

Explanation: The specified search string is not a valid integer value. The error message provides additional information about valid integer values.

User response: Specify a valid integer value for the field and resubmit the search.

ARS2119E *'value'* is invalid for *'field'*. A decimal value in the range *'min_decimal'* to *'max_decimal'* is required. A maximum of *max_digits* digits may be specified to the right of the decimal point.

Explanation: The specified search string is not a valid decimal value. The error message provides additional information about valid decimal values.

User response: Specify a valid decimal value for the field and resubmit the search.

ARS2120E *'value'* is invalid for *'field'*. A date/time in the range *'min_date'* to *'max_date'* is required. Note that 2-digit years less than 70 are interpreted as year 20nn.

Explanation: The specified search string is not a valid date value. The error message provides additional information about valid date values.

User response: Specify a valid date value for the field and resubmit the search.

ARS2121E For *'field'*, the first value must not be greater than the second value

Explanation: A search by using a range was attempted but a valid range was not specified. The first value in the range must not be greater than the second value in the range.

User response: Specify a valid range for the field and resubmit the search.

ARS2122E *'value'* for *'field'* is incompatible with *'incompat_value'* for *'incompat_field'*

Explanation: The specified search string is not compatible with the field being searched. For example, ApplGrp=a and FieldX=b, but FieldX is not mapped in ApplGrp a.

User response: Specify valid search values for the field and resubmit the search.

ARS2123E *'value'* cannot be used for *'field'*

Explanation: The specified search string is not compatible with the field being searched.

User response: Specify a valid search value for the field and resubmit the search.

ARS2124I Only *max_documents* documents can be listed for this folder

Explanation: A search resulted in more items that can be listed in the document list. An OnDemand folder might have a limit on the number of items that can be listed in the document list. This limit is defined for each folder with the Maximum Hits option.

User response: Refine the query to return fewer results or increase the maximum results for this folder. Then resubmit the command.

ARS2125I The document for '*document*' is not available at this time. It may reside on an unmounted storage volume. Contact your system administrator.

Explanation: A document cannot be retrieved because it resides on an unmounted storage volume.

User response: Ask a system administrator or system operator to mount the storage volume. Then resubmit the command.

ARS2126I '*view*' was the default view. The public default view will be used unless another private default is set.

Explanation: The default private logical view was deleted. Documents will now be viewed using the default public logical view, unless a new default private logical view is specified.

User response: No action is required.

ARS2127E A maximum of *max_views* views may be stored for this document

Explanation: An attempt was made to create a logical view but the maximum number of logical views was exceeded.

User response: Delete an existing logical view and then try to create the logical view again.

ARS2128E The client and CD-ROM Mastering Dynamic Load Library are incompatible. Reinstallation of the product is required.

Explanation: The client software and server software are not compatible. They must be the same version or compatible versions.

User response: Upgrade the client software, the server software, or both to the same version or to compatible versions.

ARS2129E Unable to obtain procedure addresses from CD-ROM Mastering DLL

Explanation: The client failed when attempting to load the CD-ROM Mastering dynamic load library.

User response: Contact your IBM Service Representative.

ARS2130E Only one copy of a folder may be put on a CD-ROM

Explanation: The folder already exists on the CD-ROM.

User response: Select a different folder.

ARS2131I A staging drive must be selected

Explanation: CD-ROM production requires a staging drive, and one was not specified.

User response: Resubmit the command with a valid staging drive.

ARS2132E • ARS2140E

ARS2132E Unable to clean staging area

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS2133E Unable to set up directories on staging drive

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS2134E Unable to retrieve documents

Explanation: An unexpected error occurred during the execution of this program.

User response: See other messages in the System Log that are associated with the CD-ROM task. If the problem persists, contact your IBM Service Representative.

ARS2135E Unable to retrieve resources

Explanation: An unexpected error occurred during the execution of this program.

User response: See other messages in the System Log that are associated with the CD-ROM task. If the problem persists, contact your IBM Service Representative.

ARS2136E Unable to open index file

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS2137E The client and the CD-ROM indexes are incompatible

Explanation: The client software and server software are not compatible. They must be the same version or compatible versions.

User response: Upgrade the client software, the server software, or both to the same version or to compatible versions.

ARS2138E Unable to add items to the index

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2139E Unknown field type encountered in the data

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2140E Unable to retrieve annotations

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2141E Unable to read ARS layout

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2142E Unable to read client layout

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2143E CD-ROM Mastering software is not defined

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2144E Unable to obtain valid volume id

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2145E Unable to open manifest file

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2146E Unable to open original file for staging

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2147E Unable to open destination file for staging

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2148E Unable to read file for staging

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2149E Invalid folder encountered

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2150E • ARS2158E

ARS2150E External server error

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2151E *** LOGIC ERROR: unexpected exception from External Server

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2152E *** LOGIC ERROR: Unknown folder name

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2153E *** LOGIC ERROR: Invalid search operator for 'field'

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2154E *** LOGIC ERROR: Unknown choice for CHOICE criteria

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2155E *** LOGIC ERROR: Invalid segment number

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2156E *** LOGIC ERROR: Invalid CDROM folder

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the CD-ROM process. If the problem persists, contact your IBM Service Representative.

ARS2157E *** LOGIC ERROR: LogView - Unknown or public or no permission to save, update, or delete

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2158E *** LOGIC ERROR: Named Query - Unknown or no permission to save, update, or delete

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2159E * LOGIC ERROR: No CsvPrtOpt name provided**

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2160E Server exit password validation failed. Contact your system administrator.

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2161E * LOGIC ERROR: A server operation was in progress when another was initiated**

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2162E The server failed while attempting to convert data

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2163E The server failed while attempting to logon

Explanation: The server was unable to complete the logon.

User response: See the OnDemand System Log for other messages that are associated with the task. If the problem persists, contact your IBM Service Representative.

ARS2164I The operation could not be completed because required data resides on unavailable archive media. Contact your system administrator to make the data available.

Explanation: The document could not be retrieved because the storage volume on which it exists is offline or not available.

User response: Ask a system administrator or system operator to mount the storage volume. Then resubmit the command.

ARS2166E The user is not permitted to perform this operation for document '*document*'

Explanation: The user does not have permission to perform the operation on the specified document.

User response: Update the user's permissions to allow the operation and resubmit the command, or submit the command from a user ID that has the correct permissions.

ARS2167I No documents meet the search criteria

Explanation: The query was run, however, there were no documents that matched the search criteria.

User response: Verify that this is the expected result. If it is not, change the search criteria and resubmit the query.

ARS2168E The document for '*document*' is not displayable or printable

Explanation: The specified document cannot be viewed or printed. This message is for your information only.

User response: Select a document that can be displayed or printed.

ARS2169E • ARS2184I

ARS2169E The argument *'value'* is not a valid decimal number

Explanation: The specified search value is not a valid decimal number.

User response: Specify a valid decimal number and try the search again.

ARS2170I No arguments specified

Explanation: A search was attempted, but no search values were specified.

User response: Specify one or more search values and try the search again.

ARS2171E The argument *'value'* was not specified

Explanation: A search was attempted, but a search value was missing from a required search field.

User response: Specify a search value for the field and try the search again.

ARS2172E The function *'function'* was not found

Explanation: The client failed because the specified function was not found.

User response: Contact your IBM Service Representative.

ARS2173E The field *'field'* was not found in this folder

Explanation: The specified field is not a valid field for the folder.

User response: Resubmit the command with a valid folder field.

ARS2174E No mappings exist for the specified folder fields

Explanation: The folder fields are not mapped to application group fields.

User response: Map the folder fields to the application group fields and resubmit the command.

ARS2175E The environment variable *'environ_variable'* was not found

Explanation: The command failed because the specified environment variable was not set.

User response: Set the environment variable and then resubmit the command.

ARS2176I The user specified does not have access to any folders

Explanation: The specified user does not have permission to access any folders.

User response: Update the user's permissions to allow access to one or more folders and resubmit the command.

ARS2177E Unable to initialize environment. rc=*returnCode*

Explanation: The client failed when attempting to initialize the environment.

User response: Configure the server to enable logging and then resubmit the command. See the *Web Enablement Kit: Implementation Guide* for information about how to enable logging and for help with other problem determination tools that are available in this environment. If the problem persists, contact your IBM Service Representative.

ARS2184I There are no notes associated with this document

Explanation: This message is for your information only.

User response: No action is required.

ARS2185I Select a folder:

Explanation: This message is for your information only.

User response: No action is required.

ARS2187I User logged off!

Explanation: This message is for your information only.

User response: No action is required.

ARS2192I View Document

Explanation: This message is for your information only.

User response: No action is required.

ARS2193I View Annotations

Explanation: This message is for your information only.

User response: No action is required.

ARS2194I Add Annotation

Explanation: This message is for your information only.

User response: No action is required.

ARS2195I Server Print

Explanation: This message is for your information only.

User response: No action is required.

ARS2196I Private to user

Explanation: This message is for your information only.

User response: No action is required.

ARS2197I Private to group

Explanation: This message is for your information only.

User response: No action is required.

ARS2198I Note can be copied to another server

Explanation: This message is for your information only.

User response: No action is required.

ARS2201W At least one document must be selected!

Explanation: A command was entered, but no documents were selected.

User response: Select one or more documents and resubmit the command.

ARS2202I • ARS3004E

ARS2202I Documents sent to printer!

Explanation: This message is for your information only.

User response: No action is required.

ARS2203I Note added successfully!

Explanation: This message is for your information only.

User response: No action is required.

ARS2207I Document has been updated!

Explanation: This message is for your information only.

User response: No action is required.

ARS2209E Unable to exec program >command<. errno=errno

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in */usr/include/sys/errno.h* on UNIX systems, */usr/include/errno.h* on z/OS and OS/390 systems, and */QIBM/include/errno.h* on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS2210I *strerror_text*

Explanation: The message contains the text from the *strerror()* function. This message is for your information only.

User response: No action is required.

ARS2211I Using *temp_dir* for temporary files

Explanation: The specified directory is being used for temporary files.

User response: No action is required.

ARS3001E *timestamp: 001: Server name parameter required*

Explanation: A server name is required, but one was not specified.

User response: Resubmit the command with a valid server name.

ARS3002E *timestamp: 002: No data distribution server section defined [server]*

Explanation: The server section for data distribution does not exist.

User response: Define and configure the servers in the server section and resubmit the command.

ARS3003E *timestamp: 003: Unable to clean directory [directory_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3004E *timestamp: 004: Unable to copy file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3005E *timestamp: 005: Unable to obtain volume set id*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3006E *timestamp: 006: Unable to create control file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3007E *timestamp: 007: Unable to open control file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3008E *timestamp: 008: OnDemand password expired or invalid*

Explanation: The password used was incorrect or has expired.

User response: Resubmit the command with the correct password. If the problem persists, verify that the password did not expire.

ARS3009E *timestamp: 009: OnDemand login error RC [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3010E *timestamp: 010: Rimage imaging directory not specified*

Explanation: The name of the Rimage imaging directory was not specified.

User response: Specify the name of the Rimage imaging directory and resubmit the command.

ARS3011E *timestamp: 011: Rimage image order file name not specified*

Explanation: The name of the Rimage image order file was not specified.

User response: Specify the name of the Rimage image order file and resubmit the command.

ARS3012E *timestamp: 012: Rimage production order file name not specified*

Explanation: The name of the Rimage production order file was not specified.

User response: Specify the name of the Rimage production order file and resubmit the command.

ARS3013E *timestamp: 013: Network Neighborhood name not specified*

Explanation: The Network Neighborhood name of the system was not specified.

User response: Specify the Network Neighborhood name of the system and resubmit the command.

ARS3014E *timestamp: 014: OnDemand library server logon information missing*

Explanation: Either the library server was not specified or an incorrect user ID or password was supplied.

User response: Resubmit the command with a library server and a valid user ID and password.

ARS3015E • ARS3023E

ARS3015E *timestamp: 015: Log directory required*

Explanation: A log directory is required, but one was not specified.

User response: Specify the name of the directory to be used for log and Rimage control files. Then resubmit the command.

ARS3016E *timestamp: 016: Load directory required*

Explanation: A load directory is required, but one was not specified.

User response: Specify the name of the load directory and resubmit the command.

ARS3017E *timestamp: 017: Unable to open volume set id file [file_name]*

Explanation: The ARSDD program failed when attempting to open the specified volume set ID file.

User response: Verify that the volume set ID file exists and then resubmit the command.

ARS3018E *timestamp: 018: Invalid volume set id file [file_name]*

Explanation: The specified volume set ID file is not correct. It might be in an invalid format, be empty, or be damaged. Another possibility is that multiple users have used the same staging directory for saving image information and the volume set ID file was overwritten.

User response: Begin the image creation process again. If the problem persists, consider creating separate distribution servers for each user involved in creating CD images.

ARS3019E *timestamp: 019: Invalid parameter combination '-i' and '-g' specified*

Explanation: The **-i** (data distribution file ID) and **-g** (data distribution group ID) parameters cannot be specified for the same task. Valid parameters and usage instructions are available from the command line: `arsdd -?`.

User response: Resubmit the command with the correct parameters.

ARS3020E *timestamp: 020: Could not store control file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3021E *timestamp: 021: Could not display load failure file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3022E *timestamp: 022: Memory allocation failed [file|line]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3023E *timestamp: 023: Unable to clean root directory*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3024E *timestamp: 024: Unable to retrieve id file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3025E *timestamp: 025: Invalid or unreadable distribution group file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3026E *timestamp: 026: Invalid or incorrectly named index file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3027E *timestamp: 027: Invalid or incorrectly named input file [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3050I *timestamp: 050: CREATE [file_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3051I *timestamp: 051: LIBRARY SERVER USERID [hostname] [user_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3052I *timestamp: 052: CONTROL FILE ERROR [file_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3053I *timestamp: 053: DONE LOAD DIRECTORY [directory_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3054I *timestamp: 054: DONE DISTRIBUTION FILE ID [file_id]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3055I *timestamp: 055: LOAD DIRECTORY [directory_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3056I • ARS3065E

ARS3056I *timestamp: 056: LOAD COMPLETED FILE [file_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3057E *timestamp: 057: LOAD FAILED FILE [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3058I *timestamp: 058: DISTRIBUTION FILE ID FOLDER [file_id] [folder_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3059I *timestamp: 059: DISTRIBUTION GROUP ID FOLDER [file_id] [folder_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3060I *timestamp: 060: QUERY FOLDER NQUERY [named_query] [folder]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3061I *timestamp: 061: VERIFICATION PASSED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3062E *timestamp: 062: VERIFICATION FAILED*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3063E *timestamp: 063: VERIFICATION NO FOLDER FOR APPLICATION GROUP [appl_grp_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3064E *timestamp: 064: VERIFICATION NO APPLICATION GROUPS*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3065E *timestamp: 065: VERIFICATION WARNING NO CLIENT SOFTWARE*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3066E *timestamp: 066: VERIFICATION NO APPLICATION GROUP FOR FOLDER* [*folder_name*]

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3067E *timestamp: 067: VERIFICATION WARNING NO MEDIA LABEL TEMPLATE*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3068E *timestamp: 068: VERIFICATION NO USERS*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3069E *timestamp: 069: VERIFICATION WARNING NO PASSWORD*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3070I *timestamp: 070: APPLICATION GROUP* [*appl_grp_name*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3072I *timestamp: 071: CLIENT LANGUAGE* [*client*] [*language*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3074I *timestamp: 072: USER SUPPLIED FILE SRC DEST TYPE* [*source*] [*destination*] [*file_name*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3076I *timestamp: 073: FOLDER* [*folder_name*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3078I *timestamp: 074: GROUP* [*group_name*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3080I *timestamp: 075: LABEL TEMPLATE ID* [*file_id*] [*label*]

Explanation: This message is for your information only.

User response: No action is required.

ARS3082I • ARS3104I

ARS3082I *timestamp: 076: USER* [user_name]

Explanation: This message is for your information only.

User response: No action is required.

ARS3084I *timestamp: 077: USER PASSWORD* [user_name] [passwd]

Explanation: This message is for your information only.

User response: No action is required.

ARS3086I *timestamp: 078: CFM FILE ID* [value] [file_id]

Explanation: This message is for your information only.

User response: No action is required.

ARS3088I *timestamp: 079: RETRIEVED LABEL ID* [label_file_name] [file_name]

Explanation: This message is for your information only.

User response: No action is required.

ARS3090E *timestamp: 080: FAILED RETRIEVING LABEL ID* [label_file_name] [file_name]

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3100I *timestamp: 100: DATA DISTRIBUTION PROCESSING STARTED*

Explanation: Data distribution processing started. This message is for your information only.

User response: No action is required.

ARS3101E *timestamp: 101: DATA DISTRIBUTION PROCESSING FAILED*

Explanation: Data distribution processing failed

User response: Look in the Rimage Image Server and Production Server logs for other errors. If the problem persists, contact your IBM Service Representative.

ARS3102I *timestamp: 102: DATA DISTRIBUTION PROCESSING COMPLETED*

Explanation: Data distribution processing is complete. This message is for your information only.

User response: No action is required.

ARS3103E *timestamp: 103: DATA DISTRIBUTION PROCESSING CRITICAL FAILURE*

Explanation: Data distribution processing failed.

User response: Look at the messages that precede this message for the last process that started before this error for an indication of what failed. If the problem persists, contact your IBM Service Representative.

ARS3104I *timestamp: 104: CLIENT TRANSFER STARTED*

Explanation: Client transfer started. This message is for your information only.

User response: No action is required.

ARS3105E *timestamp: 105: CLIENT TRANSFER FAILED*

Explanation: Client transfer failed. The OnDemand user client might not be available on the OnDemand library server. For AIX, the user client should be installed in /usr/lpp/ars/client/windows/win32. For Solaris or HP-UX, the path is opt/ondemand/client/windows/win32. For Windows, the path is \client\windows\win32.

User response: Make sure that the latest OnDemand client was installed in the proper directory on the OnDemand Library server. If the problem persists, contact your IBM Service Representative.

ARS3106I *timestamp: 106: CLIENT TRANSFER COMPLETED*

Explanation: Client transfer is complete. This message is for your information only.

User response: No action is required.

ARS3107E *timestamp: 107: CLIENT COPY FILE ERROR [source] [errno]*

Explanation: An unexpected error occurred during the execution of this program. The *source* identifies the name of the file that failed. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS3108I *timestamp: 108: CFM TRANSFER STARTED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3109E *timestamp: 109: CFM TRANSFER FAILED*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3110I *timestamp: 110: CFM TRANSFER COMPLETED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3111E *timestamp: 111: CFM COPY FILE ERROR [file_name] [errno]*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the errno.h file for more information. If the problem persists, contact your IBM Service Representative.

ARS3112I *timestamp: 112: USER SUPPLIED FILES TRANSFER STARTED*

Explanation: Transfer of user-supplied files started. This message is for your information only.

User response: No action is required.

ARS3113E *timestamp: 113: USER SUPPLIED FILES TRANSFER FAILED*

Explanation: Transfer of user-supplied files failed.

User response: If the problem persists, contact your IBM Service Representative.

ARS3114I • ARS3122I

ARS3114I *timestamp:* **114: USER SUPPLIED FILES TRANSFER COMPLETED**

Explanation: Transfer of user-supplied files is complete. This message is for your information only.

User response: No action is required.

ARS3115E *timestamp:* **115: USER SUPPLIED FILES ERROR** [*file_name*] [*errno*]

Explanation: The *errno* value, which might provide additional information, resides in /usr/include/sys/errno.h on UNIX systems, /usr/include/errno.h on z/OS and OS/390 systems, and /QIBM/include/errno.h on i5/OS and OS/400 systems.

User response: See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS3116I *timestamp:* **116: VOLUME CALCULATION STARTED**

Explanation: Volume calculation started. This message is for your information only.

User response: No action is required.

ARS3117E *timestamp:* **117: VOLUME CALCULATION FAILED**

Explanation: Volume calculation failed.

User response: If the problem persists, contact your IBM Service Representative.

ARS3118I *timestamp:* **118: VOLUME CALCULATION COMPLETED**

Explanation: Volume calculation is complete.

User response: No action is required.

ARS3119I *timestamp:* **119: VOLUME CALCULATION VOLUMES FILES BYTES** [*volumes*] [*files*] [*total*]

Explanation: Volume calculation is complete. The volume requires *volumes* of media to hold *files* files totaling *total* bytes.

User response: No action is required.

ARS3120W *timestamp:* **120: VOLUME INDEX CAPACITY EXCEEDED BYTES** [*bytes*]

Explanation: The index exceeds the capacity of the media. If this is a multi-volume set, the index must fit on the first volume of the set along with the OnDemand client and all user-supplied files.

User response: Reduce the number of user-defined files or reduce the number of documents or folders. Then resubmit the command.

ARS3121W *timestamp:* **121: VOLUME DATA CAPACITY EXCEEDED VOLUME BYTES** [*volumes*] [*total*]

Explanation: The data file for the specified volume exceed the capacity of the media.

User response: Reduce the size of the data file and then resubmit the command.

ARS3122I *timestamp:* **122: STORAGE SET CREATION STARTED**

Explanation: Storage set creation started at the specified time. This message is for your information only.

User response: No action is required.

ARS3123E *timestamp: 123: STORAGE SET CREATION FAILED*

Explanation: Storage set creation failed.

User response: If the problem persists, contact your IBM Service Representative.

ARS3124I *timestamp: 124: STORAGE SET CREATION COMPLETED*

Explanation: Storage set creation is complete. This message is for your information only.

User response: No action is required.

ARS3125E *timestamp: 125: STORAGE SET CREATION FAILED ADD STORAGE SET [set_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3126I *timestamp: 126: STORAGE SET CREATION FAILED ADD STORAGE NODE [node_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3127I *timestamp: 127: STORAGE SET APPLICATION GROUP UPDATE STARTED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3128E *timestamp: 128: STORAGE SET APPLICATION GROUP UPDATE FAILED*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3129I *timestamp: 129: STORAGE SET APPLICATION GROUP UPDATE COMPLETED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3130E *timestamp: 130: LOGIN FAILED RETURN CODE [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3131I *timestamp: 131: STORAGE SET DATA FILE UPDATE STARTED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3132E *timestamp: 132: STORAGE SET DATA FILE UPDATE FAILED*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3133I • ARS3142I

ARS3133I *timestamp: 133: STORAGE SET DATA FILE UPDATE COMPLETED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3134E *timestamp: 134: DATA FILE UPDATE ERROR APPLICATION GROUP FILE [appl_grp_name] [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3135E *timestamp: 135: DATA FILE UPDATE ERROR RETURN CODES [RC=rc] [CTRC=ctrc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3136I *timestamp: 136: INDEX OPTIMIZATION STARTED*

Explanation: Index optimization started. This message is for your information only.

User response: No action is required.

ARS3137E *timestamp: 137: INDEX OPTIMIZATION FAILED*

Explanation: Index optimization failed.

User response: If the problem persists, contact your IBM Service Representative.

ARS3138I *timestamp: 138: INDEX OPTIMIZATION COMPLETED*

Explanation: Index optimization is complete. This message is for your information only.

User response: No action is required.

ARS3139E *timestamp: 139: INDEX CONVERSION ERROR FILE RETURN CODE [file_name] [rc]*

Explanation: An error occurred during index conversion.

User response: If the problem persists, contact your IBM Service Representative.

ARS3140I *timestamp: 140: DATA DISTRIBUTION WRITING STARTED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3141E *timestamp: 141: DATA DISTRIBUTION WRITING FAILED*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3142I *timestamp: 142: DATA DISTRIBUTION WRITING COMPLETED*

Explanation: This message is for your information only.

User response: No action is required.

ARS3143E *timestamp: 143: DATA DISTRIBUTION WRITING TIMEOUT*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3144E *timestamp: 144: WRITING VOLUME FILE FAILED [volume_number|rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3145I *timestamp: 145: RIMAGE EDITLIST CREATION STARTED VOLUME [rc]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3146E *timestamp: 146: RIMAGE EDITLIST CREATION FAILED VOLUME [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3147I *timestamp: 147: RIMAGE EDITLIST CREATION COMPLETED VOLUME [rc]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3148E *timestamp: 148: EDITLIST CREATION ERROR FILE RETURN CODE [file_name] [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3149I *timestamp: 149: RIMAGE IMAGE CREATION STARTED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3150E *timestamp: 150: RIMAGE IMAGE CREATION FAILED VOLUME FILE [file_name] [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3151I *timestamp: 151: RIMAGE IMAGE CREATION COMPLETED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3152E *timestamp: 152: RIMAGE IMAGE CREATION TIMEOUT VOLUME [volume]*

Explanation: The image creation process timed out before the Rimage Image Server accepted the job. This condition is usually caused when the Image Server is not running on the Rimage workstation or the Rimage image order timeout value is set too low. The Rimage image order timeout value is specified with the **-Y** parameter of the ARSDD program.

User response: Run the Rimage Image Server software on the Rimage workstation. Otherwise, increase the value of the image order timeout parameter and then resubmit the command.

ARS3153I • ARS3162E

ARS3153I *timestamp: 153: RIMAGE IMAGE CREATION REQUEST ACCEPTED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3154I *timestamp: 154: RIMAGE IMAGE PRODUCTION STARTED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3155E *timestamp: 155: RIMAGE IMAGE PRODUCTION FAILED VOLUME FILE [volume] [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3156I *timestamp: 156: RIMAGE IMAGE PRODUCTION COMPLETED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3157E *timestamp: 157: RIMAGE IMAGE PRODUCTION TIMEOUT VOLUME [volume]*

Explanation: The production process timed out before the Rimage Production Server accepted the job. This problem is usually caused when the Production Server is not running on the Rimage workstation or the Rimage production order timeout parameter is set too low. The Rimage production order timeout parameter is specified with the **-Z** parameter of the ARSDD program.

User response: Run the Rimage Production Server software on the Rimage workstation. Otherwise, increase the value of the production order timeout parameter and then resubmit the command.

ARS3158I *timestamp: 158: RIMAGE IMAGE PRODUCTION REQUEST ACCEPTED VOLUME [volume]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3159E *timestamp: 159: UNABLE TO REMOVE ENTRY FROM RIMAGE IOF FILE [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3160E *timestamp: 160: UNABLE TO REMOVE ENTRY FROM RIMAGE POF FILE [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3161I *timestamp: 161: LABEL PROCESSING STARTED*

Explanation: Label processing started. This message is for your information only.

User response: No action is required.

ARS3162E *timestamp: 162: LABEL PROCESSING FAILED*

Explanation: Label processing failed.

User response: If the problem persists, contact your IBM Service Representative.

ARS3163I *timestamp: 163: LABEL PROCESSING COMPLETED*

Explanation: Label processing is complete. This message is for your information only.

User response: No action is required.

ARS3164W *timestamp: 163: NO DOCUMENTS RETURNED NQUERY [named_query]*

Explanation: The named query ran, but did not find any documents that match.

User response: Verify that this is the expected result. If it is not, verify that the named query is correct.

ARS3165E *timestamp: 164: UNABLE TO CREATE LABEL MERGE FILE [file_name] [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3166E *timestamp: 165: UNABLE TO OPEN USER-SUPPLIED MERGE FILE [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3167I *timestamp: 165: LABEL TEMPLATE AVN [file_name] [avn_file_name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3169I *timestamp: 166: LABEL TEMPLATE ID FILE [file_id] [label] [merge_file]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3171I *timestamp: 167: LABEL TEMPLATE ID FIELD CONTENTS [file_id] [labe] [merge_field_number]
[merge_field]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3173E *timestamp: 168: Unable to identify client type in file [type]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3174E *timestamp: 169: Unable to replace client directory [directory_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3175E *timestamp: 170: Unable to install client files in directory [directory_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3176E • ARS3300E

ARS3176E *timestamp: 171: File does not exist or is inaccessible [file_name]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3178I *timestamp: 173: Installing OnDemand 32-bit client files*

Explanation: This message is for your information only.

User response: No action is required.

ARS3179I *timestamp: 174: Definition removed for server [server]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3180E *timestamp: 175: Server definition is not for data distribution [server]*

Explanation: A server was specified that is not configured for data distribution.

User response: Update the server definition for data distribution and resubmit the command.

ARS3182E *timestamp: 176: Definition not created or updated for server [server]*

Explanation: The server definition could not be created or updated. This message is usually the result of a permission problem. On Windows, the user must be an administrator. On a UNIX system, the user must have at least read-write permissions for the ars.ini file.

User response: Verify the permissions and resubmit the command.

ARS3183I *timestamp: 177: Data distribution definition created for server [server]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3184I *timestamp: 178: LOAD STARTED FILE [name]*

Explanation: This message is for your information only.

User response: No action is required.

ARS3185E *timestamp: 179: RIMAGE IMAGE SERVER ERROR [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3186E *timestamp: 180: RIMAGE PRODUCTION SERVER ERROR [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3300E *timestamp: 028: Could not clean IOF file [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3301E *timestamp: 029: Could not clean POF file [rc]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS3302I

Usage: arsd *options*

Version: *version*

- a <dir> Directory in which to run indexer (Default: Load Directory)
- c Clean and reset staging directory
- d <dir> Load directory (Required)
- e Warnings as errors
- g <id> Data distribution group id
- h <server> OnDemand library server name
- i <id> Data distribution file id
- j <name> Network name of data distribution machine
- k Keep load and status files
- l <dir> Control file directory (Required)
- m <n> Make n number of media sets
- n <cp> Codepage for data and indexes (Default: 819)
- o Show stored options
- p <password> OnDemand library server password
- r <dir> Rimage imaging directory (e.g. e:\rimage\images\)
- s <server> OnDemand data distribution server name (Required)
- u <userid> OnDemand library server userid
- v Verbose output
- w Store configuration options
- x <[580]/[640]/[700]/[DVD]> Media capacity (Default: 640)
 - 580: = ~580 Mbytes
 - 640: = ~640 Mbytes
 - 700: = ~700 Mbytes
 - DVD: = ~4300 Mbytes
- y <file> Rimage image order file name (Default: ondemand.iof)
- z <file> Rimage production order file name (Default: ondemand.pof)
- C <zipfile> (UNIX) Install OnDemand client files
- N Named queries may return no documents
- R (UNIX) Remove OnDemand data distribution server definition
- S <dir> (UNIX) Assign or change data distribution staging directory
- Y <seconds> Rimage image order timeout (Default: 3600)
- Z <seconds> Rimage production order timeout (Default: 3600)

Explanation: An incorrect parameter was specified for the command. The valid parameters for the command are given in the message.

User response: Resubmit the command with the correct parameters.

ARS3303I

Current Options for [server]:

Control and definition file folder ... *folder_name*

[-n] Codepage for data and indexes..... *codepage*

[-S] Staging directory..... *directory_name*

Explanation: This message is for your information only.

User response: No action is required.

ARS3304I • ARS4010I

ARS3304I

[a] Indexer directory..... *index_directory*
[d] Load directory..... *load_directory*
[l] Log directory..... *log_directory*
[h] OnDemand library server..... *server*

Explanation: This message is for your information only.

User response: No action is required.

ARS3305I

[u] OnDemand library server **userid**..... *userid*
[p] OnDemand library server **password**..... *password*
[x] Media **capacity**..... *~capacity* **bytes**
[j] Network **name**..... *network*

Explanation: This message is for your information only.

User response: No action is required.

ARS3306I

[r] Rimage **imaging directory**..... *imaging_directory*
 Rimage **staged files directory**..... *staged_directory*
 Rimage **order file directory**..... *order_directory*
[y] Rimage **image order file name**..... *order_directory*

Explanation: This message is for your information only.

User response: No action is required.

ARS3307I

[Y] Rimage **image order timeout**..... *image_timeout* **seconds**
[z] Rimage **production order file name**..... *file_name*
[Z] Rimage **production order timeout**..... *production_timeout* **seconds**

Explanation: This message is for your information only.

User response: No action is required.

ARS3308E *timestamp: 030: Failure copying \file_name\ [rc1 |rc2]*

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS4010I

Usage: arbdb [options] [table(s)]
 Version: *version*
 -- The OnDemand Database Configuration Tool --
 Defaults to all tables
 -c (DB2/MSSQL) Create Database
 -d Drop Tables
 -e Drop Indexes
 -f Ignore DB Failures
 -g (DB2/MSSQL) Start the Database
 -h (DB2/MSSQL) Stop the Database
 -i Import Data

-k (DB2) Activate the Database
 -l (DB2) For Import/Export use IXF Format
 (MSSQL) For Import/Export use Native Format
 -m (DB2/MSSQL) Maintenance
 -o <filename> Output File name
 -r Create Configuration Indexes
 -s Run Statistics
 -t Create Configuration Tables
 -v Verbose
 -x Export Data
 -y <device> (DB2) Backup the Database Offline to the device
 (MSSQL) Complete Database backup to the device
 -z <device> (DB2) Backup the Database Online to the device
 (MSSQL) Differential Database backup to the device
 -I <od_inst> OnDemand Instance Name
 -X (DB2) If -Y or -Z, don't backup Tablespace USERSPACE1
 -Y <device> (DB2) Backup the Database Tablespace(s) Offline to the device
 -Z <device> (DB2) Backup the Database Tablespace(s) Online to the device

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4011E The *database_engine database_name* database action failed due to an unexpected interrupt

Explanation: The ARSDB program failed or was stopped. This message is expected if program execution was interrupted, such as by pressing Ctrl+C, or if the database canceled the session. Other messages in the OnDemand System Log might help determine the cause of external problems, such as database errors. You might need to refer to the documentation for the database manager product that you are using with OnDemand for an explanation of messages and codes provided by the database.

User response: If the command was canceled from the keyboard, no action is necessary. Otherwise, look at previous messages to determine the problem. If necessary, refer to your database documentation. If the problem persists, contact your IBM Service Representative.

ARS4012E Unable to initialize environment. rc=*returnCode*

Explanation: An error occurred at program startup. This message is usually the result of a path or permission problem with a configuration file or an invalid parameter in a configuration file.

User response: Verify that the instance owner has at least read permission for the configuration files (ars.ini, ars.cfg, ars.cache, and ars.dbfs). Verify that all parameters used in the configuration files are valid. Verify that the paths to other configuration files in the ars.ini file are correct. If the problem persists, contact your IBM Service Representative.

ARS4013E Unable to determine the database engine

Explanation: The OnDemand database engine parameter is not specified correctly or there is a permission problem. There are three valid values for the database engine parameter: DB2, ORACLE, and MSSQL. The instance owner must have at least read permission for the database.

User response: Correct the OnDemand database configuration and verify that the permissions are correct. Then resubmit the command.

ARS4014E Unable to load >*dll_name*<

Explanation: The ARSDB program failed when attempting to load the specified dynamic load library. The instance owner needs at least read-execute permission for the dynamic load library.

User response: Verify that the dynamic load library exists and that the file permissions are correct. Then resubmit the command.

ARS4015I Starting the *database_engine database_name* database instance

Explanation: The ARSDB command successfully started the database. This message is for your information only.

User response: No action is required.

ARS4016E Unable to start the *database_engine database_name* database instance

Explanation: The ARSDB program failed when attempting to start the specified instance of OnDemand.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the instance could not be started. Correct the problem and then resubmit the command.

ARS4017I Activating the *database_engine database_name* database

Explanation: The ARSDB command successfully activated the database. This message is for your information only.

User response: No action is required.

ARS4018I Creating the *database_engine database_name* database

Explanation: The ARSDB command is attempting to create the OnDemand database. This message is for your information only.

User response: No action is required.

ARS4019E Unable to create the *database_engine database_name* database

Explanation: The ARSDB program failed when attempting to create the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the database could not be created. Correct the problem and then resubmit the command.

ARS4020E Unable to configure data source *database_engine*

Explanation: The ARSDB program failed when attempting to configure the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the database could not be configured. Correct the problem and then resubmit the command.

ARS4021I Backing up the *database_engine database_name* database online

Explanation: The ARSDB command is attempting an online backup of the OnDemand database. This message is for your information only.

User response: No action is required.

ARS4022I Backing up the *database_engine database_name* database offline

Explanation: The ARSDB command is attempting an offline backup of the OnDemand database. This message is for your information only.

User response: No action is required.

ARS4023E Unable to connect to *database_engine database_name* database

Explanation: The ARSDB program failed when attempting to connect to the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not connect to the database. Correct the problem and then resubmit the command.

ARS4024I Are you sure you wish to drop the database tables and/or indexes:

Explanation: The ARSDB program issues a prompt before attempting to drop database tables or indexes.

User response: Specify y (yes) to drop the database tables or indexes or n (no) to keep the database tables or indexes.

ARS4025E Unknown table *table_name*

Explanation: The specified table is not defined to the system.

User response: Verify the name of the table and resubmit the command.

ARS4026I Creating table *table_name*

Explanation: The ARSDB command is creating a table in the OnDemand database. This message is for your information only.

User response: No action is required.

ARS4027E Unable to create table *table_name*

Explanation: The ARSDB program failed when attempting to create the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not create the table. Correct the problem and then resubmit the command.

ARS4028I Inserting default values into table *table_name*

Explanation: The ARSDB command is initializing a table with default values. This message is for your information only.

User response: No action is required.

ARS4029E Unable to insert into table *table_name* the values (*values*)

Explanation: The ARSDB program failed when attempting to insert the specified default values into the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not insert the default values into the table. Correct the problem and then resubmit the command.

ARS4030I Dropping index *index_name*

Explanation: The ARSDB command is dropping the specified index. This message is for your information only.

User response: No action is required.

ARS4031E Unable to drop index *index_name*

Explanation: The ARSDB program failed when attempting to drop the specified index.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not drop the index. Correct the problem and then resubmit the command.

ARS4032I Dropping table *table_name*

Explanation: The ARSDB command is dropping the specified table. This message is for your information only.

User response: No action is required.

ARS4033E • ARS4041E

ARS4033E Unable to drop table *table_name*

Explanation: The ARSDB program failed when attempting to drop the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not drop the table. Correct the problem and then resubmit the command.

ARS4034I Creating index *index_name*

Explanation: The ARSDB command is creating the specified index. This message is for your information only.

User response: No action is required.

ARS4035E Unable to create index *index_name*

Explanation: The ARSDB program failed when attempting to create the specified index.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not create the index. Correct the problem and then resubmit the command.

ARS4036I Exporting table *table_name*

Explanation: The ARSDB command is exporting the specified table. This message is for your information only.

User response: No action is required.

ARS4037E Unable to export table *table_name*

Explanation: The ARSDB program failed when attempting to export the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not export the table. Correct the problem and then resubmit the command.

ARS4038I Importing table *table_name*

Explanation: The ARSDB command is importing the specified table. This message is for your information only.

User response: No action is required.

ARS4039E Unable to import table *table_name*

Explanation: The ARSDB program failed when attempting to import the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not import the table. Correct the problem and then resubmit the command.

ARS4040I Reorganizing table *table_name*

Explanation: The ARSDB command is reorganizing the specified table. This message is for your information only.

User response: No action is required.

ARS4041E Unable to reorganize table *table_name*

Explanation: The ARSDB program failed when attempting to reorganize the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not reorganize the table. Correct the problem and then resubmit the command.

ARS4042I Updating runstat statistics for table *table_name*

Explanation: The ARSDB command is updating the statistics for the specified table. This message is for your information only.

User response: No action is required.

ARS4043E Unable to update runstat statistics on table *table_name*

Explanation: The ARSDB program failed when attempting to update statistics on the specified table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not update the statistics on the table. Correct the problem and then resubmit the command.

ARS4044I Stopping the *database_engine database_name* instance

Explanation: The ARSDB command is stopping the database. This message is for your information only.

User response: No action is required.

ARS4045E Unable to commit the *database_engine database_name* database work

Explanation: The ARSDB program failed when attempting to commit the transaction.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not commit the transaction. Correct the problem and then resubmit the command.

ARS4046E Unable to terminate the *database_engine database_name* database connection

Explanation: The ARSDB program failed when attempting to disconnect from the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not disconnect from the database. Correct the problem and then resubmit the command.

ARS4047E Unable to rollback the *database_engine database_name* database

Explanation: The ARSDB program failed when attempting to roll back a transaction.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not roll back the transaction. Correct the problem and then resubmit the command.

ARS4048I Backing up the *database_engine database_name* tablespace *tablespace_name* at *timestamp*

Explanation: The ARSDB command started backing up the specified OnDemand table space at the indicated time. This message is for your information only.

User response: No action is required.

ARS4049E Unable to backup *database_engine database_name* tablespace to *tablespace_name*. **rc=returnCode**

Explanation: The ARSDB program failed when attempting to back up the specified table space.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to determine why the ARSDB program could not back up the table space. Correct the problem and then resubmit the command.

ARS4051I • ARS4059E

ARS4051I **Backing up the** *database_engine database_name* **database at** *timestamp*

Explanation: The ARSDB command started backing up the specified OnDemand database at the indicated time. This message is for your information only.

User response: No action is required.

ARS4052E **Unable to backup** *database_engine database_name* **database to** *directory_name*. **rc=***returnCode*

Explanation: The ARSDB program failed when attempting to back up the database.

User response: Resubmit the command with the **-v** (verbose) option. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4053I **The** *database_engine database_name* **database was deactivated. Please use -k to activate the database**

Explanation: The database was successfully deactivated.

User response: Submit the ARSDB program with the **-k** parameter to activate the database.

ARS4054E **DB Error:** *text* -- **SQLSTATE=***sqlstate*, **SQLCODE=***sqlcode*

Explanation: The database failed. The information in the message is provided by the database.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors and SQL return codes.

ARS4055E **Unable to activate database** *database_name*. **SQLCODE =** *sqlcode*

Explanation: The ARSDB program failed when attempting to activate the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4056E **Database activation is not supported under** *database_engine*

Explanation: The ARSDB program cannot be used to activate the database.

User response: To activate the database, use an activation function that is provided with the database manager product that you are using with OnDemand.

ARS4057I **Timestamp for backup image is:** *timestamp*

Explanation: The ARSDB command completed backing up the database. The backup was marked with the specified timestamp. This message is for your information only.

User response: No action is required.

ARS4058E **Unable to backup database** *database_name*. **err=***err*

Explanation: The ARSDB program failed when attempting to back up the specified database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4059E **Database backup is not supported under** *database_engine*

Explanation: The ARSDB program cannot be used to back up the database.

User response: To back up the database, use a backup function that is provided with the database manager product that you are using with OnDemand.

ARS4060E Database clean logs is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to clean the logs for the database.

User response: To clean the logs for the database, use a log function that is provided with the database manager product that you are using with OnDemand.

ARS4061E Cannot create the OnDemand database using the Language '*language*'

Explanation: The ARSDB program failed when attempting to create the database.

User response: Verify and correct the language specification. Then resubmit the command.

ARS4062I Using Locale '*locale*' and Codeset '*codeset*'

Explanation: The ARSDB command is creating the OnDemand database with specified locale and code set. This message is for your information only.

User response: No action is required.

ARS4063E The '*directory_name*' directory does not exist

Explanation: The ARSDB program could not locate the specified directory. The database owner needs read-write-execute permissions for the directory.

User response: Create the directory and set the directory permissions for a database directory. Then resubmit the command.

ARS4064E The *database_name* database already exists

Explanation: The specified database already exists.

User response: Make sure the database specified is unique and does not already exist, then resubmit the command.

ARS4065E The database name '*database_name*' is invalid

Explanation: The name specified for the database is not correct or supported by the database. It might be too long or contain invalid characters.

User response: Refer to your database documentation for naming restrictions. Then resubmit the command with a valid database name.

ARS4066E The code page '*codepage*' or country code '*country_code*' is not valid

Explanation: The ARSDB program failed when attempting to create the database because the code page or the country code was incorrect or not supported by the database.

User response: Verify that the code page or country code is supported by the database and that it is correct. Then resubmit the command.

ARS4067E Unable to create the *database_name* database. err=err

Explanation: The ARSDB program failed when attempting to create the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4068I Updating the *database_name* database configuration

Explanation: The ARSDB command is configuring database parameters for the OnDemand database. This message is for your information only.

User response: No action is required.

ARS4069E The new path to the log is not valid

Explanation: The path name for the database log files is not a valid name. The path must be given as an absolute path and the database owner must have read-write-execute permissions on the directory.

User response: Verify the permissions and the path. Then resubmit the command.

ARS4070E Unable to update the *database_name* database configuration. SQLCODE = *sqlcode*

Explanation: The ARSDB program failed when attempting to update the database configuration.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4071I Backing up the *database_name* database so that the updates can take effect

Explanation: The ARSDB command is backing up the newly created database to save the updated parameters. This message is for your information only.

User response: No action is required.

ARS4072E Database creation is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to create the database.

User response: To create the database, use a create function that is provided with the database manager product that you are using with OnDemand.

ARS4073I Deactivating database *database_name*

Explanation: The ARSDB command is deactivating the OnDemand Database in preparation for a backup. This message is for your information only.

User response: No action is required.

ARS4074E The DB2 instance has not been started

Explanation: The ARSDB program failed because the DB2 instance was not started.

User response: Start the DB2 instance and resubmit the command.

ARS4075W The *database_name* database was not activated

Explanation: This message is for your information only.

User response: No action is required.

ARS4076E Unable to deactivate database *database_name*. SQLCODE = *sqlcode*

Explanation: The ARSDB program failed when attempting to deactivate the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4077E Database deactivate is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to deactivate the database.

User response: To deactivate the database, use a deactivate function that is provided with the database manager product that you are using with OnDemand.

ARS4078I The *database_instance* instance has already been started

Explanation: The database instance is already started. This message is for your information only.

User response: No action is required.

ARS4079E Unable to start database *database_name*. **SQLCODE = sqlcode**

Explanation: The ARSDB program failed when attempting to start the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4080E Database start is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to start the database.

User response: To start the database, use a start function that is provided with the database manager product that you are using with OnDemand.

ARS4081E Unable to deactivate database *database_name*

Explanation: The ARSDB program failed when attempting to deactivate the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4082E Unable to stop *database_engine*. **SQLCODE = sqlcode**

Explanation: The ARSDB program failed when attempting to stop the database.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4083E Database stop is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to stop the database.

User response: To stop the database, use a stop function that is provided with the database manager product that you are using with OnDemand.

ARS4084E Unable to export table *table_name*. **err=err**

Explanation: The ARSDB program failed when attempting to export a table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4085E Export is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to export a table.

User response: To export a table, use an export function that is provided with the database manager product that you are using with OnDemand.

ARS4086E Unable to import table *table_name*. **err=err**

Explanation: The ARSDB program failed when attempting to import a table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4087E Import is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to import a table.

User response: To import a table, use an import function that is provided with the database manager product that you are using with OnDemand.

ARS4088E Unable to reorganize table *table_name*. **SQLCODE = sqlcode**

Explanation: The ARSDB program failed when attempting to reorganize a table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4089E Reorganization is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to reorganize the database.

User response: To reorganize the database, use a reorganization function that is provided with the database manager product that you are using with OnDemand.

ARS4090E Unable to do a runstats on table *table_name*. **err=err**

Explanation: The ARSDB program failed when attempting to update the statistics for a table.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4091E Runstats is not supported under *database_engine*

Explanation: The ARSDB program cannot be used to run database statistics.

User response: To run database statistics, use a statistics function that is provided with the database manager product that you are using with OnDemand.

ARS4092E The *database_name* database was deactivated, however there is still a connection to one or more nodes

Explanation: Only one node was deactivated, however, multiple nodes exist.

User response: Verify that all nodes are deactivated before proceeding.

ARS4093E CoCreateInstance bulk copy object failed

Explanation: The ARSDB command was unable to create the bulk copy object used for import and export. There should be a related message from the database. This message appears only with SQL Server.

User response: Check the Event Log or the SQL Server log to determine the reason for the error. If the problem persists, contact your IBM Service Representative.

ARS4094E Unable to connect to database

Explanation: The ARSDB command was unable to connect to the specified OnDemand database. There might be database-related messages in the OnDemand System Log.

User response: Verify the name of the database. Check the OnDemand System Log for related messages. If the problem persists, contact your IBM Service Representative.

ARS4095E Filegroup backups for MSSQL should be done using the Database Maintenance Planner

Explanation: The ARSDB program cannot be used to run filegroup backups for SQL Server.

User response: Use the Database Maintenance Planner in SQL Server to run filegroup backups.

ARS4096E Differential backups for MSSQL should be done using the Database Maintenance Planner

Explanation: The ARSDB program cannot be used to run differential backups for SQL Server.

User response: Use the Database Maintenance Planner in SQL Server to run differential backups.

ARS4097E CoCreate instance failed

Explanation: The ARSDB command is unable set up the Microsoft COM environment. Microsoft SQL Server might not be installed or might not be installed correctly.

User response: Verify that Microsoft SQL Server is installed and operational. If the problem persists, contact your IBM Service Representative.

ARS4098E CoInitialize failed

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS4099E Creating the *database_name* database file

Explanation: The ARSDB command is creating the database files for SQL Server. This message is for your information only.

User response: No action is required.

ARS4100E Database DBFile *db_file_name* could not be added. HRESULT=*hresult*

Explanation: The ARSDB command was not able to create the OnDemand database files for SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4101E GetFileGroup instance failed *rc*

Explanation: The ARSDB command was not able to get database file group information for the specific instance.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors.

ARS4102E Creating the *database_name* transaction log file

Explanation: The ARSDB command is creating the transaction log file for OnDemand for SQL Server. This message is for your information only.

User response: No action is required.

ARS4103E • ARS4111E

ARS4103E Database log file could not be added. HRESULT=*hresult*

Explanation: The ARSDB command was unable to create the transaction log for the OnDemand database.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors.

ARS4104E Get transaction log instance failed

Explanation: The ARSDB command was unable to get information about the transaction log for SQL Server. The log might not have been created successfully.

User response: If the problem persists, contact your IBM Service Representative.

ARS4105I Creating the *database_name* database with language *language*

Explanation: The ARSDB command is creating the OnDemand database with the specified language.

User response: No action is required.

ARS4106I Creating the *database_name* server login

Explanation: This message is for your information only.

User response: No action is required.

ARS4107W Warning: The server login already exists

Explanation: The server login already exists, and the command will continue under the existing login.

User response: No additional action is necessary.

ARS4108E The server login could not be created. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4109E The database user could not be created. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4110E Unable to set language to *language*. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4111E Connect failed. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4112E Unable to start *database_name*. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4113W *database_name* has already been started

Explanation: The database is already started, so you do not need to specify the start database parameter.

User response: No action is required.

ARS4114E Unable to stop *database_name*. HRESULT=*hresult*

Explanation: The database failed. HRESULT is an error code provided by Microsoft SQL Server.

User response: See the messages and codes documentation for the version of Microsoft SQL Server that you are using for information about database errors.

ARS4115I Number of rows exported = *rows_exported*

Explanation: This message is for your information only.

User response: No action is required.

ARS4116I Number of rows imported = *rows_imported*

Explanation: This message is for your information only.

User response: No action is required.

ARS4117E Table *table_name* does not exist. HRESULT=*hresult*

Explanation: The specified table name does not exist.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors.

ARS4118E *action* for library *database_name* failed with exception *rc*

Explanation: The database failed.

User response: See the messages and codes publication of the database manager product that you are using with OnDemand for information about database errors.

ARS4119I

Creating links for the following file:

file_name

Do you wish to use DISK(1) or ADSM(2)?

Please specify 1 or 2:

Explanation: The ARSDB program issues a prompt to specify the type of archived log file user exit.

User response: Specify 1 (one) to maintain the log files on disk. Specify 2 (two) to use Tivoli Storage Manager to maintain the log files.

ARS4120E SET RULES=STD failed

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS4200E • ARS4210E

ARS4200E Creation of *system_folder* information failed due to an unexpected interrupt

Explanation: The ARSSYSCR program failed or was canceled. This message is expected if program execution was interrupted, such as by pressing Ctrl+C.

User response: If the command was canceled from the keyboard, no action is necessary. Otherwise, look at previous messages to determine the problem and resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4201I Deleting folder with *fid = fid*

Explanation: This message is for your information only.

User response: No action is required.

ARS4202I Deleting named queries (if any) associated with folder/*fid = fid*

Explanation: This message is for your information only.

User response: No action is required.

ARS4203I Deleting application group with *agid = agid*

Explanation: This message is for your information only.

User response: No action is required.

ARS4204I Updating *owner.table_name*, may result in no updates

Explanation: This message is for your information only.

User response: No action is required.

ARS4206I Updating *owner.table_name*

Explanation: This message is for your information only.

User response: No action is required.

ARS4207I Adding to *owner.table_name* with Storage Set Id = *sid*

Explanation: This message is for your information only.

User response: No action is required.

ARS4208I Adding to *owner.table_name*

Explanation: This message is for your information only.

User response: No action is required.

ARS4209I Creation of *system_folder* information was successful

Explanation: This message is for your information only.

User response: No action is required.

ARS4210E Creation of *system_folder* information failed

Explanation: The ARSSYSCR program failed when attempting to create the system definitions.

User response: See the other messages that were generated by the ARSSYSCR program to determine the cause of the problem. Resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4211E Failed while creating the OnDemand *system_folder*

Explanation: The ARSSYSCR program failed when attempting to create the system definitions.

User response: See the other messages that were generated by the ARSSYSCR program to determine the cause of the problem. Resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS4212I

Usage: arssyscr [-I <od_inst>] [-l | -m | -p]
Version: *version*
 -l System Log
 -m System Migration
 -o <filename> Output file name
 -p OnDemand Publications
 -I <od_inst> OnDemand Instance Name

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4300I

Usage: arslod [options] [load_file]
Version: *version*
 -a <appl> The application within the application group
 Defaults to filename conventions
 -A <field> MVS filename component to use for OnDemand application
 -c <idx_dir> The directory to run the indexer
 Defaults to current directory
 -C <class> OD/390 JES class to monitor
 -d <dl_dir> The download directory
 Can be specified more than once
 -E Invoke exits associated with ARS.RSADUPDT logical exit point
 -f If load fails, unload the data
 -F <form> OD/390 JES form to monitor
 -g <appl_grp> The application group
 Defaults to filename conventions
 -G <field> MVS filename component to use for OnDemand application group
 (OD/390) WRITER.MVS.JOBNAME.DATASET.FORMS
 - or -
 MVS.JOBNAME.DATASET.FORMS
 (Otherwise) MVS.JOBNAME.DATASET.FORMS
 Defaults to FORMS
 -h <od_inst> OnDemand library server or instance name (same as -I)
 -i Run the Indexer Only
 -I <od_inst> OnDemand library server or instance name (same as -h)
 -j <parm_file> Additional indexing parameters
 -n Do not remove files
 -p <passwd> Password
 -s <input>
 (OD/390) JCL ddname to use as input (i.e., INPUT)
 -t <seconds> Time interval to sleep
 Defaults to *seconds* seconds
 -u <userid> Userid
 -U <file> File to find default userid/passwd
 Defaults to *file_name*
 -v Verbose
 -W <writer> (OD/390) JES writer to monitor
 -Z <user_def> User-defined string passed to load user exit

ARS4302I • ARS4310I

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4302I *timestamp* -- **Indexing started, bytes bytes to process**

Explanation: This message is for your information only.

User response: No action is required.

ARS4303I --INDEXING ONLY--

Explanation: This message is for your information only.

User response: No action is required.

ARS4304W ---->Remaining indexer messages are being ignored<----

Explanation: This message is for your information only.

User response: No action is required.

ARS4305E **Generic Indexer requires the data to have already been indexed. Index the data or verify your input file and resubmit the job**

Explanation: The ARSLOAD program attempted to use the OnDemand generic indexer. However, an index file does not exist or the indexing records in the index file are not valid for the generic indexer.

User response: Verify that the indexing records in the index file are valid for the generic indexer. Then resubmit the command. See your *Indexing Reference* for more information about the generic indexer.

ARS4306E **Unknown Indexer >indexer<**

Explanation: The indexer that is specified for the application is not a valid indexing program.

User response: Verify that the data is of the format expected by the defined indexer or specify a different indexer for the application in the OnDemand administrative client. Then resubmit the command.

ARS4307E **Output/Indexer file was not created**

Explanation: The indexing program did not create the output file or the index file.

User response: Verify and correct the indexing parameters and resubmit the command.

ARS4308I *timestamp* **Indexing completed**

Explanation: This message is for your information only.

User response: No action is required.

ARS4309E *timestamp* **Indexing failed**

Explanation: The indexing program failed.

User response: Verify and correct the indexing parameters and then resubmit the command.

ARS4310I *timestamp* **Loading completed**

Explanation: This message is for your information only.

User response: No action is required.

ARS4311E *timestamp* **Loading failed**

Explanation: The ARSLOAD program failed.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4312I *timestamp --* **Loading started, bytes bytes to process**

Explanation: This message is for your information only.

User response: No action is required.

ARS4313E **The postprocessor command >command< failed on the DB file >db_file_name< for the file >file_name<**

Explanation: The ARSLOAD program failed when attempting to run the specified postprocessor command.

User response: Verify the full path name of the command. Verify that the command runs successfully outside of the OnDemand environment. Then resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4314E **File >file_name< cannot be processed because the Application Group cannot be determined**

Explanation: The ARSLOAD program failed because the name of the application group to load was not specified or could not be derived from the input file name.

User response: Resubmit the command with the name of the application group or verify that the name of the input file contains the name of the application group and then resubmit the command. See the *Administration Guide* for more information about how the ARSLOAD program can derive the name of the application group from the input file name.

ARS4315I **Processing file >file_name<**

Explanation: This message is for your information only.

User response: No action is required.

ARS4316E **File >file_name< cannot be found for processing**

Explanation: The ARSLOAD program could not find the specified file. If you are using the generic indexer, the paths to the data files in the index might be incorrect. Unlike other indexers, the generic indexer requires the use of an absolute path to the data files referenced in the index.

User response: Verify that the file exists and that the user has at least read permission for the file and directory. Verify that the path is given as an absolute, rather than a relative, path. Then resubmit the command.

ARS4317I **Processing successful for file >file_name<**

Explanation: This message is for your information only.

User response: No action is required.

ARS4318E **Processing failed for file >file_name<**

Explanation: The ARSLOAD program failed when processing the specified file.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4319W Unloading of data was NOT performed

Explanation: The ARSLOAD program failed. However, the ARSLOAD program did not unload the data.

User response: Either unload the data by submitting the ARSADMIN program with the UNLOAD function or use the unload parameter when you submit the ARSLOAD program.

ARS4320I *timestamp* -- Unloading started

Explanation: This message is for your information only.

User response: No action is required.

ARS4321I *timestamp* -- Unloading of data was successful

Explanation: This message is for your information only.

User response: No action is required.

ARS4322E *timestamp* -- Unloading of data failed

Explanation: The ARSLOAD program failed when attempting to unload data.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4323E Unable to log load information

Explanation: The ARSLOAD program failed when attempting to obtain the log load information.

User response: Resubmit the command with the **-v** (verbose) parameter. Use the information from the additional messages to correct the problem. Then resubmit the command.

ARS4324E File >file_name< renamed to >file_name.Failed<. Correct problems and resubmit file.

Explanation: The ARSLOAD program failed and renamed the specified file.

User response: See the other messages that the ARSLOAD program generated. Correct any problems and then resubmit the command.

ARS4325E The -n option should not be used when running this command as a daemon. This will cause the files to be recursively loaded.

Explanation: An attempt was made to start the ARSLOAD program as a daemon, however, the **-n** parameter was specified. The **-n** parameter is not valid when running the ARSLOAD program as a daemon. See the *Administration Guide* for a complete list of ARSLOAD parameters.

User response: Resubmit the command without the **-n** parameter.

ARS4326E Could not connect to server to establish log id

Explanation: The ARSLOAD program failed when attempting to obtain the log ID.

User response: Verify that the server on which you want to load the data is running. Then resubmit the command.

ARS4327E Processing has stopped. The remaining files will NOT be processed.

Explanation: The ARSLOAD program failed while loading files. Some files might not have been loaded, and will need to be submitted again. If the daemon was used to process files, failed files will have **.failed** appended to the file name.

User response: See the messages that were generated by the ARSLOAD program. Resubmit the ARSLOAD program to load the files that were not loaded.

ARS4328E ARSSAPIR failed: rc = rc sapi_rc(sapi_rsn)

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS4329E SVC 99 failed for file *file_name*: S99ERROR = error, S99INFO = info

Explanation: An unexpected error occurred during the execution of this program.

User response: If the problem persists, contact your IBM Service Representative.

ARS4400I

Usage: arsview [-c] [-l] [-w] [-h] [-o] [-r] [-f] [-t] inputfile

Version: *version*

-c <chars> Characters per inch (horizontal) (default: 18)
 -l <lines> Lines per inch (vertical) (default: 12)
 -w <inches> Page width (default: 8.5)
 -h <inches> Page height (default: 11.0)
 -o <rot> Page orientation (0 | 90 | 180 | 270)
 -r <file> Resource group file
 -f <dir> Font directory
 -t <file> Trace file
 -x Suppress rules/lines
 -y Character space reset

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4401E Error opening input file - *file_name*

Explanation: The ARSVIEW program failed when attempting to open the specified input file. The user must have at least read permissions on the file.

User response: Verify that the file exists and verify the name of the file. Verify the file permissions. Then resubmit the command.

ARS4500I

Usage: arsddate [-a|-i|-t] [-d] [-f] [-g] [-h] [-m] [-n] [-s] [-y] (value | number)

Version: *version*

-a Archive internal date format. (Default)
 -d <days> Days to add
 -f <fmt> Format string for value or number
 -g Get today's date
 -h <hours> Hours to add
 -i Archive internal date/time format wo/TZ
 -m <months> Months to add
 -n <mins> Minutes to add
 -s <secs> Seconds to add
 -t Archive internal time format
 -y <years> Years to add
 -z Archive internal date/time format w/TZ

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

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ARS4501I Today: *timestamp*

Explanation: This message is for your information only.

User response: No action is required.

ARS4502E Failed

Explanation: The ARSDATE program could not perform the requested date conversion. Valid date formats are listed in the *Administration Guide*.

User response: Verify that the date value or the date and time value is correct. Then resubmit the command.

ARS4600I

Usage: `arsadm [user | group | printer | set]`

Version: *version*

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4601I

Usage: `arsdoc [get | query | add | update | delete | print]`

Version: *version*

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4602E Unknown command *>command<*

Explanation: Unable to run the specified command. The user must have at least read-execute permission for the file.

User response: Verify that the command exists and that the file permissions are correct. Then resubmit the command.

ARS4700I OnDemand Command Prompt

Explanation: This message is for your information only.

User response: No action is required.

ARS4701E Unknown command to execute

Explanation: OnDemand did not recognize the command.

User response: Verify the syntax of the command, then resubmit it. If the problem persists, contact your IBM Service Representative.

ARS4702E Unable to get command *>command<* status, *errno=errno*

Explanation: An unexpected error occurred during the execution of this program. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems.

User response: Check the OnDemand installation directory for the specified command. Verify that OnDemand is installed correctly. See the *errno.h* file for more information. If the problem persists, contact your IBM Service Representative.

ARS4703E Unable to execute command *>command<*, **errno=errno**

Explanation: The OnDemand server was unable to execute the specified command. The *errno* value, which might provide additional information, resides in `/usr/include/sys/errno.h` on UNIX systems, `/usr/include/errno.h` on z/OS and OS/390 systems, and `/QIBM/include/errno.h` on i5/OS and OS/400 systems. The user must have at least read-execute permission for the command.

User response: Verify that the command exists and verify the file permissions, then resubmit the command. See the `errno.h` file for more information.

ARS4800I Received index data *>text<*

Explanation: This message is for your information only.

User response: No action is required.

ARS4801I Returned index data *>text<*

Explanation: This message is for your information only.

User response: No action is required.

ARS4802I All index data has been returned.

Explanation: This message is for your information only.

User response: No action is required.

ARS4804I Number of bytes received = 'num_bytes', hex value = 'hex_value'

Explanation: This message is for your information only.

User response: No action is required.

ARS4805I Number of bytes received = 'num_bytes', hex value = 'hex_value'

Explanation: This message is for your information only.

User response: No action is required.

ARS4806I Initializing arscmnst. Version: version

Explanation: This message is for your information only.

User response: No action is required.

ARS4807E Unable to convert UTF-8 character string *char_string* **to a UTF-16 character string**

Explanation: The command failed when attempting to convert a UTF-8 character string.

User response: Contact your IBM Service Representative.

ARS4808E Unable to convert UTF-16 character string *char_string* **to a UTF-8 character string**

Explanation: The command failed when attempting to convert a UTF-16 character string.

User response: Contact your IBM Service Representative.

ARS4900I

Usage: `arspdoci [parmdd filename]`

Version: *version*

Coordinates: Metrics (units X and Y are specified in)

Inches | Centimeters | Millimeters

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Fontlib: Font directory
Inputdd: Input filename
Msgdd: Message filename - default is stdout
Outputdd: Output filename pattern
TraceDD: Trace file - default is stderr
Trace: What to trace - default is off
API | WORDS | FCNS | INDEX | ALL

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4901I *parameter*

Explanation: This message is for your information only.

User response: No action is required.

ARS4902I **Number of input pages =** *pages*

Explanation: This message is for your information only.

User response: No action is required.

ARS4903E *keyword* **keyword contains non-numeric identifier**

Explanation: The identifier for the specified keyword must be a number from 1 to 16 (TRIGGER parameter) or 1 to 32 (INDEX or FIELD parameter).

User response: Correct the identifier and resubmit the command.

ARS4904E **Error allocating** *bytes* **bytes memory**

Explanation: The PDF indexer was unable to allocate the requested amount of memory.

User response: Decrease the load on the system or increase the amount of memory available to the PDF indexer and resubmit the command.

ARS4905E *parameter* **parameter syntax incorrect**

Explanation: The syntax for the TRIGGER, FIELD, or INDEX parameter is not correct.

User response: Correct the parameter and resubmit the command.

ARS4906E **Unknown parameter:** *parameter*

Explanation: The specified string is not a valid PDF indexer parameter.

User response: Correct the parameter and resubmit the command.

ARS4907E **Incorrect index file definition**

Explanation: The file specified for the INDEXDD file definition parameter cannot be created. The user must have read-write permissions for the directory. If the file does not exist, it will be created. If it does exist, it will be replaced.

User response: Verify that the file name and path in the parameter file are correct. Verify that the directory exists and that the permissions are correct. Then resubmit the command.

ARS4908E **Incorrect input file definition**

Explanation: The file specified for the INPUTDD file definition parameter cannot be read. The user must have read permission for the directory and the file.

User response: Verify that the file name and path in the parameter file are correct. Verify that the directory and the

file exist and that the permissions are correct. Then resubmit the command.

ARS4909E Incorrect output file definition

Explanation: The file specified for the OUTPUTDD file definition parameter cannot be created. The user must have read-write permissions for the directory. If the file does not exist, it will be created. If it does exist, it will be replaced.

User response: Verify that the file name and path in the parameter file are correct. Verify that the directory exists and that the permissions are correct. Then resubmit the command.

ARS4910E Incomplete indexing parameters supplied

Explanation: The current set of indexing parameters does not permit the PDF indexer to create index data. There might be a syntax error in the TRIGGER parameter. The parameter file must exist, and it must contain at least one set of TRIGGER, FIELD, and INDEX parameters. The indexing reference provides a sample parameter file.

User response: Correct the parameters and resubmit the command.

ARS4911E Error opening INDEX file *file_name*

Explanation: The specified file does not exist or the file permissions do not allow the file to be opened.

User response: Verify that the file exists and verify that the file permissions allow the file to be opened. Then resubmit the command.

ARS4912E Error opening Input file *file_name*

Explanation: The specified file does not exist or the file permissions do not allow the file to be opened.

User response: Verify that the file exists and verify that the file permissions allow the file to be opened. Then resubmit the command.

ARS4913E Error opening Parameter file *file_name*

Explanation: The specified file does not exist or the file permissions do not allow the file to be opened.

User response: Verify that the file exists and verify that the file permissions allow the file to be opened. Then resubmit the command.

ARS4914E Trigger(s) not found by page *page*

Explanation: The PDF indexer did not find a trigger by the specified page number. The INDEXSTARTBY parameter determines the page number by which the PDF indexer must find a trigger and begin indexing.

User response: Verify the page number that is specified in the INDEXSTARTBY parameter. If the page number is correct, verify the TRIGGER parameters. Then resubmit the command.

ARS4915E Field(s) not found by page *page*

Explanation: The PDF indexer did not find a field by the specified page number. The INDEXSTARTBY parameter determines the page number by which the PDF indexer must find a trigger and begin indexing for a field.

User response: Verify the page number that is specified in the INDEXSTARTBY parameter. If the page number is correct, verify the FIELD parameters. Then resubmit the command.

ARS4916E Failed Adobe Toolkit Initialization rc=*returnCode*Error string : *string*

Explanation: The Adobe toolkit returned an error. There might be a problem with the permissions on the directories specified for the FONTLIB and TEMPDIR parameters, the directories might be incorrect, or the disk might not have enough space. The user must have read-write permissions for the directories. Images usually require more space than text.

User response: Verify the directories that are specified for the FONTLIB and TEMPDIR parameters. Verify the permissions for the directories named in these parameters. Verify that the FONTLIB directories provide access to the

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fonts that are required by the PDF indexer. Verify that the TEMPDIR directory contains sufficient free space to process the input file. If the problem persists, contact your IBM Service Representative.

ARS4917E Create of new Document Segment failed

Explanation: The Adobe toolkit returned an error when trying to create a new document segment. There might be a problem with the permissions on the directories specified for the FONTLIB and TEMPDIR parameters, the directories might be incorrect, or the disk might not have enough space. The user must have read-write permissions for the directories. Images usually require more space than text.

User response: Verify the directories that are specified for the FONTLIB and TEMPDIR parameters and the files and directories that are named in the INPUTDD and OUTPUTDD parameters. Verify the permissions for the files and directories named in these parameters. Verify that the FONTLIB directories provide access to the fonts that are required by the PDF indexer. Verify that the TEMPDIR and OUTPUTDD directories contain sufficient free space to process the input file. If the problem persists, contact your IBM Service Representative.

ARS4918E Page extraction failed!

Explanation: The Adobe toolkit returned an error when trying to extract pages for a new segment. The original PDF might be damaged. There might be a problem with the permissions on the directories specified for the FONTLIB and TEMPDIR parameters, the directories might be incorrect, or the disk might not have enough space. The user must have read-write permissions for the directories. Images usually require more space than text.

User response: Verify that the PDF is not damaged by viewing in Adobe Acrobat. Verify the directories that are specified in the FONTLIB and TEMPDIR parameters. Verify the permissions for the directories named in these parameters. Verify that the FONTLIB directories provide access to the fonts that are required by the PDF indexer. Verify that the TEMPDIR directory contains sufficient free space to process the input file. If the problem persists, contact your IBM Service Representative.

ARS4919E Word search or extraction error

Explanation: The Adobe toolkit returned an error while searching the PDF document. The original PDF might be damaged. There might be a problem with the permissions on the directories specified in the FONTLIB and TEMPDIR parameters, the directories might be incorrect, or the disk might not have enough space. The user must have read-write permissions for the directories. Images usually require more space than text.

User response: Verify the directories that are specified in the FONTLIB and TEMPDIR parameters. Verify the directory permissions. Verify that the directories that are named in the FONTLIB parameter provide access to the fonts that are required by the PDF indexer. Verify that the directory named in the TEMPDIR parameter contains sufficient free space to process the input file. If the problem persists, contact your IBM Service Representative.

ARS4920E Error during Distil rc =rc Error string :string Check the Distiller messages

Explanation: Acrobat Distiller returned an error while trying to distill the input file.

User response: Use the Distiller output messages to determine the cause and resolution of the error. After correcting the error, resubmit the command.

ARS4921E The Input file contains an unsupported data type

Explanation: The input file does not contain PostScript® or PDF data.

User response: Verify that the correct file is named in the INPUTDD parameter. Verify that the file named in the INPUTDD parameter contains PostScript or PDF data. Then resubmit the command.

ARS4922I ARSPDOCI completed code rc

Explanation: The PDF indexer completed processing the input data with the completion code listed.

User response: No action is required.

ARS4923E *action version rc string*

Explanation: A message that displays the product version and release.

User response: No action is required.

ARS4924E **Error executing *action* API rc =rcError string: *string***

Explanation: The Adobe toolkit returned an error. The *rc* (reason code) and *string* are provided by they Adobe toolkit.

User response: Verify the directories that are specified in the FONTLIB and TEMPDIR parameters. Verify the permissions for the directories named in these parameters. Verify that the FONTLIB directories provide access to the fonts that are required by the PDF indexer. Verify that the TEMPDIR directory contains sufficient free space to process the input file. If the problem persists, contact your IBM Service Representative.

ARS4925I

Usage: arspdump -f filename [-F font_dir] [-h] [-o output file]
[-p page number] [-t temp dir]

Version: *version*

-f: PDF file name

-F: Font directory

-h: This message

-o: Output file (default is stdout)

-p: Specifies the page number (default is all pages)

-t: Temp directory

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS4926I ----- Page *page* -----

Explanation: This message is for your information only.

User response: No action is required.

ARS4927I ----- Rotated 90 degrees -----

Explanation: This message is for your information only.

User response: No action is required.

ARS4928I ----- Rotated 180 degrees -----

Explanation: This message is for your information only.

User response: No action is required.

ARS4929I ----- Rotated 270 degrees -----

Explanation: This message is for your information only.

User response: No action is required.

ARS4930I **WordFinder version:** *version*

Explanation: This message is for your information only.

User response: No action is required.

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ARS4931I **Number of Pages =** *page*

Explanation: This message is for your information only.

User response: No action is required.

ARS5001I *program* **accepts no parameters**

Explanation: Parameters were passed to the specified program, but it does not expect any parameters to be passed on the JCL PARM parameter.

User response: Remove the parameters and rerun the program.

ARS5002I **The path to** *program* **could not be determined**

Explanation: An attempt was made to run the specified program, but the path to the program could not be determined.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5004I **fldata() failed for** *file_name* **(RC:int_rc (X'hex_rc))**

Explanation: An unexpected error occurred attempting to determine the file information for the file.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5005I **Syntax error - keyword delimiter not found**

Explanation: A keyword delimiter was not provided.

User response: Correct the error and resubmit the command.

ARS5006I **Unrecognized keyword:** *keyword*

Explanation: A keyword was found that was not valid.

User response: Verify the spelling of the keyword, and that it is valid for the utility. Then resubmit the command.

ARS5007I **Keyword operand not supplied**

Explanation: The keyword requires an operand, but one was not provided.

User response: Supply the missing operand and resubmit the command.

ARS5008I **Operand rightside delimiter not found**

Explanation: The rightside delimiter for a keyword operand was not found. For example, KEYWORD=(a,b was entered instead of KEYWORD=(a,b).

User response: Supply the missing delimiter and resubmit the command.

ARS5009I **Operand leftside delimiter not found**

Explanation: The leftside delimiter for a keyword operand was not found. For example, KEYWORD=a,b) was entered instead of KEYWORD=(a,b).

User response: Supply the missing delimiter and resubmit the command.

ARS5010I Invalid operand length

Explanation: The operand for a keyword was too long for the keyword.

User response: Shorten the operand and resubmit the command.

ARS5011I True/False operand expected

Explanation: A true (true, yes, or 1) or false (false, no, or 0) was expected as the operand of the keyword.

User response: Correct the operand and resubmit the command.

ARS5012I Operand does not consist of all decimal digits

Explanation: The operand must be an integer.

User response: Correct the operand and resubmit the command.

ARS5013I Control statements processing completed - RC=int_rc (X'hex_rc')

Explanation: Parameter file processing completed. The maximum return code is displayed.

User response: No action is required.

ARS5014I Unable to initialize environment for instance. RC=rc

Explanation: The environment could not be initialized for the specified instance.

User response: Verify that the instance name is correct and corresponds to an instance in the ars.ini file. Then resubmit the command.

ARS5015I ODINSTANCE must be specified

Explanation: The ODINSTANCE keyword is required as control statement for ARSEXPDIR.

User response: Specify the ODINSTANCE keyword and resubmit the command.

ARS5016I Storage sets sset1 and sset2 contain the same storage node nodename

Explanation: The same node name appears in two storage sets. ARSEXPDIR cannot determine which node ID to use.

User response: Remove the duplicate node from one of the storage sets.

ARS5017I Invalid message id msgid

Explanation: An attempt was made to issue a message for which no message template exists.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5018I Error occurred processing ARSMVSSR. RC = rc1 (rc2-rsn)

Explanation: The ARSMVSSR function was called to extract the MVS™ system management facilities (SMF) records, however it encountered a problem. rc1 indicates the type of error:

- 1 ATTACH failed
- 2 SORT failed
- 3 BPX1OPN failed
- 4 BPX1WRT failed

rc2 and rsn contain error related return and reason codes.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5019I • ARS5402E

ARS5019I **Arsadm returned invalid node on line** *linenum*. **Text=***text*

Explanation: The ARSADM program was called to retrieve a list of the OnDemand storage nodes, but the list that was returned was not formatted correctly. The message contains the line number and the first 200 characters of the line.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5020I **SORT returned no data**

Explanation: The sort process indicated that objects were found that were to be deleted. However, the file that was supposed to contain the data either does not exist or contains zero bytes.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5021I *text*

Explanation: The message text is produced when requested under the direction of the IBM Support Center.

User response: Provide the message text to the Support Center.

ARS5022I **Sort complete. num_objs objects returned.**

Explanation: The sort step completed reading all the MVS SMF records. *num_objs* were found that are candidates for unloading.

User response: No action is required.

ARS5023I *cmd* **returned rc. Parms=>***parms***<**

Explanation: A non-zero return value was provided by the *cmd*. This message provides the parameters that were used to invoke the command.

User response: Search the problem reporting database for a fix for the problem. If no fix exists, contact your IBM Service Representative.

ARS5024I **ARSEXPIR** *version* **invoked on** *tstamp*

Explanation: ARSEXPIR was invoked at the specified time.

User response: No action is required.

ARS5400E **ACIF Parm parser did not return any values**

Explanation: The indexing parameters did not result in any Triggers, Fields, or Index values. The set of index instructions is invalid.

User response: Specify a valid set of indexing parameters.

ARS5401E **Input Parm string is empty**

Explanation: No indexing parameters were found.

User response: Specify a valid set of indexing parameters.

ARS5402E **Trigger column scan not supported**

Explanation: The OS/390 Indexer does not support column scanning for Triggers.

User response: Specify a column number in the Trigger.

ARS5403E Use of multiple fields to make an index is not supported

Explanation: The OS/390 Indexer does not support the use of multiple fields to construct the index value.

User response: Specify a single field for the Index.

ARS5404E More than 8 sets of segmentation instructions were identified

Explanation: The OS/390 Indexer supports up to eight sets of segmentation instructions. More than eight index instructions specified BREAK=YES.

User response: Redefine the indexing parameters to use a maximum of eight BREAK=YES instructions.

ARS5405E Field default values are not supported

Explanation: The OS/390 Indexer does not support the use of "default values" on the Field parameter.

User response: Redefine the indexing parameters to not use "default values."

ARS5406E Field constant values are not supported

Explanation: The OS/390 Indexer does not support the use of "constant values" on the Field parameter.

User response: Redefine the indexing parameters to not use "constant values."

ARS5407E Invalid DOC SIZE specified *size*

Explanation: The document size returned from the ANYSTORE exit was invalid. The value must be between 1 and 1048320.

User response: Correct any errors in your ANYSTORE exit.

ARS5408E ANYSTORE - INDEX call with no or an incomplete preceding segment

Explanation: The ANYSTORE exit returned with the ANY-INDEX return code, but was not preceded by a completed document.

User response: Correct any errors in your ANYSTORE exit.

ARS5409E ANYSTORE - EOF call with no or an incomplete preceding segment

Explanation: The ANYSTORE exit returned with the ANY-EOF return code, but was not preceded by a completed document.

User response: Correct any errors in your ANYSTORE exit.

ARS5410E NULL file read. Processing stopped.

Explanation: End of file was found, but no documents have been stored.

User response: If using the ANYSTORE exit, correct any errors in your ANYSTORE exit. Verify that the report file contains valid data. Contact your IBM Service Representative for further assistance.

ARS5411E Severe error returned from ANYSTORE exit. Processing stopped.

Explanation: The ANYSTORE exit returned with the ANY-ERR return code.

User response: Look for additional messages generated by the ANYSTORE exit, and correct any errors in your ANYSTORE exit.

ARS5412E • ARS5419E

ARS5412E ARSASTOR - Invalid doc size specified: *size*

Explanation: An AFP document was returned with an invalid document size. The value must be between 1 and 1048320.

User response: Verify that the AFP report contains valid data. Contact your IBM Service Representative for further assistance.

ARS5413E ARSASTOR - Index call with no or an incomplete preceding segment

Explanation: The ARSASTORE exit returned with the AFP-INDEX return code, but was not preceded by a completed document.

User response: Verify that the AFP report contains valid data. Contact your IBM Service Representative for further assistance.

ARS5414E ARSASTOR - EOF call with no or an incomplete preceding segment

Explanation: The ARSASTORE exit returned with the AFP-EOF return code, but was not preceded by a completed document.

User response: Verify that the AFP report contains valid data. Contact your IBM Service Representative for further assistance.

ARS5415E Severe error returned from ARSASTOR exit. Processing stopped.

Explanation: A severe error was found while processing an AFP report.

User response: Look for additional messages generated by the store routine. Verify that your report file contains valid data. Contact your IBM Service Representative for further assistance.

ARS5416E PAGE-TABLE array size exceeded

Explanation: The maximum number of pages supported by the Large Object processing was exceeded.

| For example, if you use the OS/390 Indexer with large object support enabled, the maximum number of pages in a
| single document is 379,359 pages.

| **User response:** Modify the report or the indexing instructions so that the report does not exceed the maximum
| number of pages that is supported by your indexer. Contact your IBM Service Representative for further assistance.

ARS5417E Invalid AFP record, 5A not found in pos 1

Explanation: A line was found in the AFP file which did not contain a X'5A' in column 1.

User response: Verify that your report file contains valid data.

ARS5418I ANYSTORE document not recognized as being either Line Print or AFP, no Large Object processing performed

Explanation: A report captured through an ANYSTORE exit was not recognized as being either "line print" or "AFP." No attempt will be made to capture it as a Large Object.

User response: No action is required.

ARS5419E No documents found - input exhausted

Explanation: The "start of report," based on trigger instructions, was not found before reaching end of file.

User response: Verify that your report file contains valid data, and verify that the indexing instructions are correct.

ARS5420E Posting date required but not found

Explanation: The posting date value was not found.

User response: Verify that your report file contains a valid date, and verify that the indexing instructions are correct.

ARS5421E Input Exit returned error condition

Explanation: The input exit return code indicates that an error was found.

User response: Look for additional messages that are generated by the input exit.

ARS5422E Page buffer size exceeded

Explanation: The current page of the document contains more than 256 lines.

User response: Verify that your report file contains valid data with valid carriage control characters.

ARS5423E Date expected but not found. Instead, found *date_value*

Explanation: The characters that were extracted from the report as the date value were not in a valid date format.

User response: Verify that the report file contains valid data, and that your indexing instructions for locating the date field are correct.

ARS5424E Error found with month portion of date mask. Mask is *report_mask*

Explanation: The month portion of the date mask is invalid.

User response: Verify that the mask value is correct.

ARS5425E Error found with day portion of date mask. Mask is *report_mask*

Explanation: The day portion of the date mask is invalid.

User response: Verify that the mask value is correct.

ARS5426E Error found with century portion of date mask. Mask is *report_mask*

Explanation: The century portion of the date mask is invalid.

User response: Verify that the mask value is correct.

ARS5427E Error found with year portion of date mask. Mask is *report_mask*

Explanation: The year portion of the date mask is invalid.

User response: Verify that the mask value is correct.

ARS5428E Input dataset OPEN error

Explanation: An error occurred when attempting to open the data set containing the report.

User response: Review the job log for additional messages. Correct the problem and retry.

ARS5429E Invalid RECFM (F) for AFP datastream

Explanation: The record format for the data set containing the AFP report must be VARIABLE.

User response: Ensure that the AFP report data set contains valid AFP data and has a VARIABLE record format.

ARS5430E **Structured field length does not match record length. Record count:** *record_count*. **Input DDNAME** *ddname*

Explanation: The AFP record's structured field length value (columns 2-3) does not match the record length of the variable length record. The variable length record must be one byte longer than the structured field length value.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5431E **Premature EOF for DDNAME** *ddname*

Explanation: An End of File condition was found before it was expected. This can occur if the file does not contain both a BDT and an EDT record.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5432I **Match not found for value in TLE record, record number** *record_num*. **Input DDNAME** *ddname*

Explanation: A TLE record was found which could not be matched with any index.

User response: No action required. This message is for informational purposes only.

ARS5433E **AFPDSIN data set was empty**

Explanation: An input AFP data set does not contain any records.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5434E **BRG not first record in resource file**

Explanation: The first record in the resource file is not a BRG record.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5435E **TLE invalid structure, NAME triplet not found, record number** *record_num*. **Input DDNAME** *ddname*

Explanation: A TLE record was found which did not contain a valid Name triplet.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5436E **TLE invalid structure, VALUE triplet not found, record number** *record_num*. **Input DDNAME** *ddname*

Explanation: A TLE record was found which did not contain a valid Value triplet.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5437E **AFP index/segment maximum of** *max_num_of_indexes* **exceeded. Capture terminated.**

Explanation: The maximum allowed number of indexes was exceeded.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5438I **Truncated records fixed for AFP file** *ddname*, **count** *record_count*

Explanation: The program identified one or more records as having a record length value within the AFP record that was larger than the physical record length. The program adds trailing blanks to the record to make it agree with the length in the AFP record.

User response: No action is required. The assumption is that JES removed the trailing blanks, so the program puts them back in.

ARS5439I Truncated records fixed for Resource file *ddname*, count *record_count*

Explanation: The program identified one or more records as having a record length value within the resource record that was larger than the physical record length. The program adds trailing blanks to the record to make it agree with the length in the resource record.

User response: No action is required. The assumption is that JES removed the trailing blanks, so the program puts them back in.

ARS5440E Invalid NOP record format, invalid length

Explanation: A NOP record with either an OD390 or ODZOS id value was found, but its record length was not valid. OD390 NOP records have a record length of 1048. ODZOS NOP records have a record length of 8208.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5441E OBJINPT data set open error (for AFP)

Explanation: An error occurred when opening the input report data set.

User response: Check the JES log for additional messages.

ARS5442E Invalid RECFM (F) for AFP datastream. *ddname*

Explanation: The record format for the AFP input data set was "fixed." A "variable" record format is expected.

User response: Ensure that the AFP report data set contains valid AFP data.

ARS5443E Open failed for AFP file – *ddname*

Explanation: An error occurred when opening the input AFP report data set.

User response: Check the JES log for additional messages.

ARS5444E Close failed for *ddname* for AFP file

Explanation: An error occurred when closing the input AFP report data set.

User response: Check the JES log for additional messages.

ARS5445E AFP read failed for file *ddname*

Explanation: An error occurred when reading the input AFP report data set.

User response: Check the JES log for additional messages.

ARS5446E Open failed for AFP resource file – *ddname*

Explanation: An error occurred when opening the input AFP resource data set.

User response: Check the JES log for additional messages.

ARS5447E Close failed for *ddname* for AFP resource file

Explanation: An error occurred when closing the input AFP resource data set.

User response: Check the JES log for additional messages.

ARS5448E Resource read failed for file *ddname* after record #*record_count*

Explanation: An error occurred when reading the input AFP resource data set.

User response: Check the JES log for additional messages.

| ARS5450E Triggers with TYPE=GROUP were not satisfied within the page range specified by the
| INDEXSTARTBY parameter

| **Explanation:** The page of the report containing the values specified in the TRIGGER indexing parameters with
| TYPE=GROUP was not found before reaching the page number specified in the INDEXSTARTBY parameter.

| **User response:** Make sure that the indexing parameters are appropriate for the report data being loaded. Adjust the
| report data and/or the indexing parameters accordingly.

| ARS5451E TRIGGER nn WAS NOT FOUND

| **Explanation:** The indexing instructions skipped the use of sequence nn in the set of TRIGGER parameters. TRIGGER
| sequence numbers cannot be skipped.

| **User response:** Correct the indexing parameters, TRIGGER sequence.

| ARS5452E INDEX nn WAS NOT FOUND

| **Explanation:** The indexing instructions skipped the use of sequence nn in the set of INDEX parameters. INDEX
| sequence numbers cannot be skipped.

| **User response:** Correct the indexing parameters.

| ARS5453E FIELD nn WAS NOT FOUND

| **Explanation:** The indexing instructions skipped the use of sequence nn in the set of FIELD parameters. FIELD
| sequence numbers cannot be skipped.

| **User response:** Correct the indexing parameters.

ARS6000I

Usage: arsdoc add -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ([-i <sql_query> | -q <namedquery> |
-o <filename>] [-f <foldername>] -a <name> (-g <name> |
-G <name>) -n field1=value1 [-O][-S <startdate,enddate[,format]>]))

Version: *version*

-a <name> Application Name
-f <foldername> OnDemand folder (required in parm file)
-g <name> Application Group Name
-h <hostname> OnDemand Hostname (command line only)
-i <sql_query> SQL query string
-n <field1=value1> One or more database field names and values
-o <filename> Data file name
-p <passwd> OnDemand User Login Password (command line only)
-q <namedquery> Public named query
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)
-G <name> Application Group Name
-O Database fields values are not required
-S <startdate,enddate[,format]> Segment date range

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6001I

Usage: arsdoc update -h hostname [-u <userid>] [-p <passwd>] [-v] (-F <parmfile> | ((-i <sql_query> | -q <namedquery>) [-f <foldername>] (-g <name> | -G <name>) -n field1=value1 [-S <startdate,enddate[,format]>]))

Version: *version*

- f <foldername> OnDemand folder (required in parm file)
- g <name> Application Group Name
- h <hostname> OnDemand Hostname (command line only)
- i <sql_query> SQL query string
- n <field1=value1> One or more database field names and values
- p <passwd> OnDemand User Login Password (command line only)
- q <namedquery> Public named query
- u <userid> OnDemand User Login Name (command line only)
- v Verbose (command line only)
- F <parmfile> Requests parameter file (command line only)
- G <name> Application Group Name
- S <startdate,enddate[,format]> Segment date range

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6002I

Usage: arsdoc delete -h hostname [-u <userid>] [-p <passwd>] [-v] (-F <parmfile> | ((-i <sql_query> | -q <namedquery>) [-f <foldername>] [-G <name>] [-S <startdate,enddate[,format]>]))

Version: *version*

- f <foldername> OnDemand folder (required in parm file)
- h <hostname> OnDemand Hostname (command line only)
- i <sql_query> SQL query string
- p <passwd> OnDemand User Login Password (command line only)
- q <namedquery> Public named query
- u <userid> OnDemand User Login Name (command line only)
- v Verbose (command line only)
- F <parmfile> Requests parameter file (command line only)
- G <name> Application Group Name
- S <startdate,enddate[,format]> Segment date range

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6003I

Usage: arsdoc get -h <hostname> [-u <userid>] [-p <passwd>] [-s] [-v] (-F <parmfile> | ((-i <sql_query> | -Q <sql_filename> | -q <namedquery> | -X <load_id>) [-x <load_id>] [-f <foldername>] [-G <name>] [-a] [-c] [-g] [-A <type>] [-N] [-n] [-o <filename>] [-d <dir>] [-L <max_docs>] [-S <startdate,enddate[,format]>]))

Version: *version*

- a Include resource group
- c Store documents in one file
- d <dir> Directory to store files
- f <foldername> OnDemand folder (required in parm file)

-g Create generic indexer file
 -h <hostname> OnDemand hostname (command line only)
 -i <sql_query> SQL query string
 -n Do not use bulk retrieve
 -o <filename> Output file name (required in parm file)
 -p <passwd> OnDemand User Login Password
 -q <namedquery> Public named query
 -s <seconds> Delay time between requests (command line only)
 -u <userid> OnDemand User Login Name
 -x <load_id> LoadId to use for OnDemand
 -v Verbose (command line only)
 -A <type> Retrieve annotations
 The values are additive.
 0 Include public text annotations
 1 Include private annotations
 2 Include annotations that cannot be copied to another server
 4 Include graphic annotations
 -F <parmfile> Requests parameter file (command line only)
 -G <name> Application Group Name
 -L <max_docs> Maximum documents to retrieve
 -N Use Application group and application names in file name
 -Q <sql_filename> SQL query strings file name
 -S <startdate,enddate[,format]> Segment date range
 -X <load_id> LoadId to use for OnDemand

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command.

User response: Resubmit the command with the correct parameters. Valid parameters are provided in the message. For more detailed information about this command, see the OnDemand *Administrator's Guide*.

Usage: arsdoc query -h hostname [-u <userid>] [-p <passwd>] [-v]
 (-F <parmfile> | ((-i <sql_query> | -q <namedquery> |
 -X <load_id>) [-x <load_id>] [-f <foldername>] [-G <name>]
 [-e <delim>] [-H] [-I] [-N <(field1)>][-n] [-o <filename>]
 [-d <dir>] [-L <max_hits>] [-S <startdate,enddate[,format]>]))
 Version: *version*
 -d <dir> Directory to write output file
 -e <delim> separator between database values
 -f <foldername> OnDemand folder (required in parm file)
 -h <hostname> OnDemand Hostname (command line only)
 -i <sql_query> SQL query string
 -n Add line numbers in output file
 -o <filename> Output file name (required in parm file)
 -p <passwd> OnDemand User Login Password
 -q <namedquery> Public named query
 -u <userid> OnDemand User Login Name
 -x <load_id> LoadId to use for OnDemand
 -v Verbose (command line only)
 -F <parmfile> Requests parameter file (command line only)
 -G <name> Application Group Name
 -D Append the document handle to each record in the file
 -H Build a header record
 -I Append the LoadId to each record in the file
 -L <max_hits> Maximum hits to process
 -N <(field1)> One or more database field names; defines order in file
 -S <startdate,enddate[,format]> Segment date range
 -X <load_id> LoadId to use for OnDemand

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6005I

```
Usage: arsdoc print -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ((-i <sql_query> | -q <namedquery>)
[-f <foldername>] [-G <name>] [-P <prtr>] [-L <max_docs>]
[-S <startdate,enddate[,format]>]))
Version: version
-f <foldername> OnDemand folder           (required in parm file)
-h <hostname> OnDemand Hostname           (command line only)
-i <sql_query> SQL query string
-p <passwd> OnDemand User Login Password (command line only)
-q <namedquery> Public named query
-u <userid> OnDemand User Login Name      (command line only)
-v Verbose                                (command line only)
-F <parmfile> Requests parameter file     (command line only)
-G <name> Application Group Name
-L <max_docs> Maximum documents to retrieve
-P <prtr> System printer name
-S <startdate,enddate[,format]> Segment date range
```

Flags in a parameter file must be delimited by brackets EX: [-f foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6006E Unable to get folder information. The folder does not exist or the user does not have permission to access the folder.

Explanation: The command failed when attempting to find the specified folder on the specified server.

User response: Verify that the folder exists on the server and that the user has permission to access the folder. Then resubmit the command.

ARS6007E The server failed during a search operation. View the System Log for additional messages.

Explanation: The command failed when attempting a query for documents.

User response: Verify that the SQL string is a valid SQL query and that the database field names that are specified in the SQL string are valid. Then resubmit the command.

ARS6008E The segment start date or end date is not valid.

Explanation: The segment start date or the segment end date could not be converted to the internal date format. The date format is optional, and valid formats are listed in the *Administration Guide*.

User response: Verify that the segment dates are valid date values and that the date values are in the correct date format.

ARS6009E A cancel request was received during a server request.

Explanation: An unexpected error occurred during the execution of this program.

User response: See the OnDemand System Log for other messages that are associated with the command. Use the information in the messages to correct the problem and then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6010E The server operation failed.

Explanation: The command failed when attempting a query or retrieval request.

User response: See the OnDemand System Log for other messages that are associated with the command. Use the information in the messages to correct the problem and then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6011E The error occurred on line number *line_number*.

Explanation: The command failed with an error on the specified line number.

User response: See the OnDemand System Log for other messages that are associated with the command. Use the information in the messages to correct the problem and then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6012E Unable to read parameter file '*file_name*'.

Explanation: The command failed when attempting to read a record from the specified parameter file.

User response: Verify and correct the parameter file. Then resubmit the command.

ARS6013E The host name or address must be provided to continue the operation.

Explanation: The host name or IP address was not provided on the command line.

User response: Resubmit the command with the **-h** parameter and the host name or IP address of the server.

ARS6014E The folder name must be provided to continue the operation.

Explanation: The folder name was not provided.

User response: Resubmit the command with the **-f** parameter and the name of the folder.

ARS6015E Printer '*printer_name*' was not found.

Explanation: The specified printer was not found on the server.

User response: Verify that the printer exists on the server and that the user has permission to access the printer. Then resubmit the command.

ARS6016E The output file name '*file_name*' exceeds a maximum length of *length*.

Explanation: The number of characters in the output file name exceeds the maximum allowable length.

User response: Change the name of the output file so that the length of the file name does not exceed the maximum allowable length. Then resubmit the command.

ARS6017E The user does not have authority to add documents.

Explanation: The application group document permissions for the user do not include the authority to add documents.

User response: Resubmit the command with a user ID that has permission to add documents or change the application group document permissions to include the authority to add documents and resubmit the command.

ARS6018E The user does not have authority to delete documents.

Explanation: The application group document permissions for the user does not include the authority to delete documents.

User response: Resubmit the command with a user ID that has permission to delete documents or change the application group document permissions to include the authority to delete documents and resubmit the command.

ARS6019E The user does not have authority to update documents.

Explanation: The application group document permissions for the user does not include the authority to update documents.

User response: Resubmit the command with a user ID that has permission to update documents or to change the application group document permissions to include the authority to update documents and resubmit the command.

ARS6020E The database field '*database_name*' was not found in the application group.

Explanation: The database field name was not found in the application group.

User response: Verify that the name of the database field is the same as a database field in the application group. Then resubmit the command.

ARS6021E The application group name must be provided to continue the operation.

Explanation: The application group name was not provided.

User response: Resubmit the command with a valid application group name.

ARS6022E Application group '*applgrp_name*' was not found in folder '*folder_name*'.

Explanation: The specified application group was not found in the specified folder. Either the folder does not contain the application group, or the user does not have permission to access the application group.

User response: Verify that the application group can be searched from the folder and that the user has permission to access the application group. Then resubmit the command.

ARS6023E The -s flag can only be used when a parameter file name is provided using the -F flag.

Explanation: The -s parameter specifies the amount of time to delay between requests to the server. The -s parameter is not applicable when only one request is sent to the server. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the -s parameter.

ARS6024E The -N and -c flags must be specified when the -g flag is used.

Explanation: The -g parameter, the -N parameter, and the -c parameter are used together to generate a generic index file and the output file. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the -g, -N, and -c parameters.

ARS6025E The -c or -g flag cannot be used when an output file name contains database field names.

Explanation: The output file name will be generated from the database field names. Documents must be written to separate files if this option is used. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the -c or -g parameters.

ARS6026I arsdoc completed.

Explanation: This message is for your information only.

User response: No action is required.

ARS6027E The application name must be provided to continue the operation.

Explanation: The application name was not specified.

User response: Resubmit the command with a valid application name.

ARS6028E Application '*appl_name*' was not found in application group '*applgrp_name*'.

Explanation: The specified application was not found in the specified application group.

User response: Verify the names of the application and the application group. Verify that the application belongs to the application group. Then resubmit the command.

ARS6029E The syntax for the value of flag **-n** '*value*' is not valid. Valid syntax is '**dbfield=value**'.

Explanation: The value that was specified with the **-n** parameter did not have the correct syntax. The correct syntax is provided in the message, and all ARSDOC parameters are explained in the *Administration Guide*.

User response: Change the value of the **-n** parameter to the format '**dbfield=value**' and resubmit the command.

ARS6030E The **-o** flag and the **-S** flag cannot be used together.

Explanation: A segment date cannot be specified if a data file name is specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with either the **-o** parameter or the **-S** parameter.

ARS6031E The **-i** flag or the **-q** flag cannot be specified when the **-o** flag is used.

Explanation: An SQL query or a named query cannot be specified if a data file name is specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-i** and **-q** parameters.

ARS6032E At least one **field=value** pair must be provided to continue the operation.

Explanation: A request was made to add or update a document but the field values for the document were not specified.

User response: Resubmit the command with at least one **field=value** pair.

ARS6033E An SQL query string (**-i** `\\"WHERE database_name = value\\"`) must be provided to continue the operation.

Explanation: An SQL query string was not provided.

User response: Resubmit the command with a valid SQL query string.

ARS6034W No hits were found that matched search criteria.

Explanation: No documents matched the search criteria.

User response: Verify that this is the expected result. If it is not, submit the command with different search criteria.

ARS6035E The named query '*named_query*', does not exist in folder '*folder_name*'.

Explanation: The specified named query was not found in the specified folder.

User response: Verify that the named query exists in the folder, that the named query is a public named query, and that the user has authority to view the named queries for the folder. Then resubmit the command.

ARS6036E The **-q** flag and the **-i** flag cannot be used together.

Explanation: A named query and an SQL query string cannot be specified in the same command. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with either the **-q** parameter or the **-i** parameter.

ARS6037E The **-q** flag and the **-S** flag cannot be used together.

Explanation: A segment date cannot be specified if a named query is specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-S** parameter.

ARS6038E The syntax for the value of flag **-S** '*segment_dates*' is not valid. Valid syntax is **segdate1,segdate2** or **segdate1,segdate2,format**.

Explanation: The value specified with the **-S** parameter is not valid. The dates might not match the format, or the specified format might be invalid. Valid date formats and all ARSDOC parameters are explained in the *Administration Guide*.

User response: Verify that the value is in the following format: **segdate1,segdate2,format** and that the date format is valid. Then resubmit the command.

ARS6039E The only options that can be specified with the **-F** option are **-u, -p, -h, and -v**.

Explanation: The **-F** parameter was specified and one or more other parameters that are not valid on the command line were also specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS6040E The only options that can be specified with the **-F** option are **-u, -p, -h, -s, and -v**.

Explanation: The **-F** parameter was specified and one or more other parameters that are not valid on the command line were also specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS6041E The **-o** flag must be specified when using the **-d** flag.

Explanation: A directory name was provided without an output file name. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-d** parameter or with the **-d** and **-o** parameters.

ARS6042E The **-H, -n, and -N** flags cannot be used when requesting document handles or LoadIds.

Explanation: When requesting document handles or load IDs, the **-H, -n, and -N** parameters cannot be specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-H, -n, and -N** parameters.

ARS6043E The **-L, -n, and -N** flags cannot be used when requesting only database field names.

Explanation: When requesting only the database field names, the **-L, -n, and -N** parameters cannot be specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-L, -n, and -N** parameters.

ARS6044E The output file name '*outfile_name*' and the directory path '*dir_path*' exceeds a maximum length of *path_size*.

Explanation: The number of characters in the output file name and the directory exceeds the maximum allowable length.

User response: Change the file name or directory path so that the length of the file name does not exceed the maximum allowable length. Then resubmit the command.

ARS6045E The output file name '*file_name*' exceeds a maximum length of *length*.

Explanation: The number of characters in the output file name exceeds the maximum allowable length.

User response: Change the file name so that the length of the file name does not exceed the maximum allowable length.

ARS6046E A value has not been provided for field '*field_name*'.

Explanation: A value for the specified field is missing. By default, when adding a document, values must be provided for all fields. You can specify the **-O** parameter to indicate that some field values are optional, but you must always provide date and time fields. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with a value for the field or resubmit the command with the **-O** parameter.

ARS6047E Data is from application '*appl_name1*', application group '*applgrp_name1*' and must be from application '*appl_name2*', application group '*applgrp_name2*'.

Explanation: An attempt was made to add a document that points to an existing document, but the two documents were not from the same application. When adding a document that points to an existing document, both documents must be in the same application. Application names must be unique within an application group, but multiple application groups can have similarly named applications. The specified applications must belong to the same application group.

User response: Determine whether the document or the application was misidentified. Then resubmit the command with documents that belong to the same application and application group.

ARS6048E The name of the system printer is required to continue the operation.

Explanation: The system printer name is required but was not specified with the **-P** parameter. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the **-P** parameter and specify the name of the system printer.

ARS6049E The **-c** flag must be specified when the **-N** flag is used.

Explanation: Documents must be concatenated into one file when the **-N** parameter is specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the **-c** parameter.

ARS6050E The **-o** flag must be specified when either the **-c** or **-g** flag is specified.

Explanation: An output file name must be specified when the **-c** or **-g** parameters are specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the **-o** parameter.

ARS6051E A data file name, an SQL query string, or a named query must be provided to continue the operation.

Explanation: The **-o**, **-i**, or **-q** parameter must be specified when adding a document. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the **-o**, **-i**, or **-q** parameter.

ARS6052E The length of the delimiter is invalid. The delimiter can only be 1 character.

Explanation: The value that was specified for the delimiter contains more than one character.

User response: Resubmit the command with a valid, one-character delimiter.

ARS6053E

The output filename format is invalid.
Syntax is as follows. (Parentheses are required.)
(ag_name1)(ag_name2)(ag_name3)

Explanation: The output file name is not in the correct format. The correct format is shown in the message text.

User response: Resubmit the command with a valid output file name.

ARS6054E

The header format is invalid. Syntax is as follows (Parentheses are required):
(ag_name1)(ag_name2)(ag_name3)

Explanation: The header is not in the correct format. The correct format is shown in the message text.

User response: Resubmit the command with a valid header string.

ARS6055E A maximum of '*max_hits*' hits(s) were requested for this query. The number of matching hits found was '*num_hits*'.

Explanation: The SQL query matched more items than the number requested.

User response: Change the SQL query string to match fewer items or increase the maximum number of items to return. Then resubmit the command.

ARS6056E Unable to retrieve resource group for '*file_name*'.

Explanation: The command failed when attempting to retrieve a resource group.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6057E 'LoadId could not be found'

Explanation: The OnDemand System Log was searched but the load ID could not be found.

User response: Resubmit the command with a valid load ID.

ARS6058E Invalid option '*option*'.

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6059W The number of hits returned has been limited to the maximum number of hits defined in the folder.

Explanation: The folder has a limit on the number of items that can be returned, and the query exceeded the maximum limit.

User response: Verify that this is the expected result. If it is not, submit the command with different search criteria.

ARS6060I Attempting login for userid '*userid*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6061I • ARS6070I

ARS6061I Querying for printers on server '*server_name*'...

Explanation: This message is for your information only.

User response: No action is required.

ARS6062I Searching for folder '*folder_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6063I Searching for documents in '*folder_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6064I Deleting *num_documents* documents

Explanation: This message is for your information only.

User response: No action is required.

ARS6065I Deleting document *document_name*

Explanation: This message is for your information only.

User response: No action is required.

ARS6066I Waiting *seconds* seconds ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6067I Sending *num_documents* documents to printer '*printer_name*' on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6068I Updating *num_documents* documents with *field_values*

Explanation: This message is for your information only.

User response: No action is required.

ARS6069I Updating document *field_values_string* ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6070I Adding document with fields: *field_values* ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6071I Writing *num_hits* hits in file '*file_name*'...

Explanation: This message is for your information only.

User response: No action is required.

ARS6072I Writing database field names in file '*file_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6073I Retrieving document for userid '*userid*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6080I Login successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6081E Login unsuccessful

Explanation: The command failed when attempting to log on to the server.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6082I Query successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6083E Query unsuccessful

Explanation: The command failed when attempting to query the database.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6084I Search successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6085E Search unsuccessful

Explanation: The command failed when attempting to query the database.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6086I Add successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6087E • ARS6096E

ARS6087E Add unsuccessful

Explanation: The command failed when attempting to add a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6088I Update successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6089E Update unsuccessful

Explanation: The command failed when attempting to update a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6090I Delete successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6091E Delete unsuccessful

Explanation: The command failed when attempting to delete a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6092I Write successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6093E Write unsuccessful

Explanation: The command failed when attempting to write a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6094I Document successfully retrieved.

Explanation: This message is for your information only.

User response: No action is required.

ARS6095I Document successfully retrieved and stored in file *'file_name'*

Explanation: This message is for your information only.

User response: No action is required.

ARS6096E Retrieve unsuccessful

Explanation: The command failed when attempting to retrieve a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6097I Print request successful

Explanation: This message is for your information only.

User response: No action is required.

ARS6098E Print request unsuccessful

Explanation: The command failed when attempting to print a document.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6099E The folder field value of 'field_value' is not valid for field 'field_name'.

Explanation: The specified value is not valid for the specified folder field.

User response: Resubmit the command with a value that is valid for the folder field.

ARS6100E The -f, -i, -q, -x, -Q, or -S flag cannot be used with the -X flag.

Explanation: An incorrect parameter was specified. All ARSDOC parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the -f, -i, -q, -x, -Q, or -S parameters.

ARS6101E Application group 'applgrp_name' was not found on server 'server_name'.

Explanation: The specified application group could not be found on the specified server.

User response: Verify the name of the application group and the name of the server. Verify that the application group exists on the server and that the user has permission to access it. Then resubmit the command.

ARS6102E Unable to restore hit from record 'rec_number' in file 'file_name'.

Explanation: The record contains missing information or incorrect values and cannot be processed.

User response: Resubmit the command with a valid record.

ARS6103E Object Retrieval of index file failed using command 'command'.

Explanation: The command failed when attempting to retrieve an index file.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6104E Decompressing index file failed using command 'command'.

Explanation: The command failed when attempting to decompress an index file.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6105E Converting index file to client code page failed using command 'command'.

Explanation: The command failed when attempting to convert an index file to the code page of the instance of OnDemand where the command was processed.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6107I • ARS6117I

ARS6107I *hits_queried* document(s) have been queried. Retrieving *hits_retrieved* document(s).

Explanation: This message is for your information only.

User response: No action is required.

ARS6108I Starting arsdoc. Version: *version*

Explanation: This message is for your information only.

User response: No action is required.

ARS6110I Writing generic indexer file(s).

Explanation: This message is for your information only.

User response: No action is required.

ARS6111I Generic indexer file *filename* has been successfully created.

Explanation: This message is for your information only.

User response: No action is required.

ARS6112I *numNotes* annotations were written to file *filename*.

Explanation: This message is for your information only.

User response: No action is required.

ARS6113E Unable to convert large object string *string*.

Explanation: A failure occurred when attempting to convert a large object string.

User response: See the other messages that were generated by the command, and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6114E Unable to initialize string conversion routines using code page *codePage1* and *codePage2*.

Explanation: A failure occurred when attempting to initialize the string conversion process.

User response: See the other messages that were generated by the command, and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6115I Note number *noteNum* has been identified as an annotation that cannot be copied to another server.

Explanation: This message is for your information only.

User response: No action is required.

ARS6116E The *-i*, *-q*, *-x*, or *-X* flag cannot be used with the *-Q* flag.

Explanation: An incorrect parameter was specified.

User response: Resubmit the command without the *-i*, *-q*, *-x*, or *-X* parameter.

ARS6117I Querying database with SQL string *string*.

Explanation: This message is for your information only.

User response: No action is required.

ARS6118I *numDocs* document(s) have been queried.

Explanation: This message is for your information only.

User response: No action is required.

ARS6120E

**Tokenized query string format failed at marker *position*, input value *str_value*:
A type string is expected; the value must be enclosed in single quotes.**

Explanation: A string value is not enclosed in single quotes. For example:

SQL string:

```
2;balance,name;777.77,A & A%;WHERE balance = ? AND name LIKE ?
```

System log message:

```
Tokenized query string format failed at marker (2), input value (A & A%):  
A type string is expected; the value must be enclosed in single quotes.
```

User response: Enclose the string value in single quotes and resubmit the command.

ARS6121W

**Tokenized query string format warning: non-numeric value was found at marker *position*,
input value *str_value*: A numeric value is expected.**

Explanation: An invalid numeric value was specified. For example:

SQL string:

```
2;balance,name;777.77abc,'A & A%;WHERE balance = ? AND name LIKE ?
```

System log message:

```
Tokenized query string format warning: non-numeric value was found at marker (1), input value (777.77abc):  
A numeric value is expected.
```

User response: Check that the value is numeric and resubmit the command.

ARS6122E

**Tokenized query string format failed:
The number of parameter markers (*numMarkers*) is not equal to the number of
parameter names (*numNames*).**

Explanation: The number of parameters is not the same as the number of parameter names. For example:

SQL string:

```
3;balance,name;777.77,'A & A%;WHERE balance = ? AND name LIKE ?
```

System log message:

```
Tokenized query string format failed:  
The number of parameter markers (3) is not equal to the number of parameter names (2).
```

User response: Resubmit the command with a valid SQL query string.

ARS6123E

**Tokenized query string format failed:
Missing parameter values; the number of parameter markers was specified as (*numMarkers*).**

Explanation: Fewer parameter values were specified than were expected. For example:

ARS6124E • ARS6126E

SQL string:

```
2;balance,name;777.77;WHERE balance = ? AND name LIKE ?
```

System log message:

Tokenized query string format failed:

Missing parameter values; the number of parameter markers was specified as (2).

Note: If more parameter values are specified than are expected, OnDemand will map the parameter names and values from left to right, and discard the extra value (or values).

User response: Correct the number of values in the parameter value string and resubmit the command.

ARS6124E

Tokenized query string format failed:

The number of parameters (*numParams*) is not equal to the number of markers (*numMarkers*) in the query string.

Explanation: The number of parameter values that were specified is different than the number of markers in the WHERE clause. For example:

SQL string:

```
2;balance,name;777.77,'A & A%';WHERE balance IN (?, ?) AND name LIKE ?
```

System log message:

Tokenized query string format failed:

The number of parameters (2) is not equal to the number of markers (3) in the query string.

User response: Correct the WHERE clause and resubmit the command with a valid SQL query string.

ARS6125E

Tokenized query string format failed:

Invalid database field name (*fName*) found at (*position*) in the parameter name string.

Explanation: The parameter name is not a database field name. For example:

SQL string:

```
2;balance,name_abc;777.77,'A & A%';WHERE balance = ? AND name LIKE ?
```

System log message:

Tokenized query string format failed:

Invalid database field name (name_abc) found at (2) in the parameter name string.

User response: Correct the spelling of the parameter name and resubmit the command.

ARS6126E

Tokenized document query, binding parameter failed, rc = *returnCode*.

Bind parameter marker position (*colPosition*) with variable value (*sqlData*).

Explanation: Binding the program variable to the parameter marker failed. The SQL string is valid, but an internal error occurred (possibly, an incorrect mapping between the parameter name and its value). For example:

SQL string:

```
2;balance,name_abc;777.77,'A & A%';WHERE balance = ? AND name LIKE ?
```

System log message:

Tokenized document query, binding parameter failed, rc = 6.

Bind parameter marker position (0) with variable value (777.770000).

User response: Contact your IBM Service Representative.

ARS6500I

```
Usage: arsadm user -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ([-a <action>] [-d <desc>] [-e <expire_date>]
[-f <format>] [-g <[+]-group1>] [-i <userid>] [-s <time_out>]
[-t <type>] [-w <passwd>] [-A <account>] [-B <bldg>]
[-C <company>] [-D <dept>] [-G <cover_page>] [-L <dflt_prtr>]
[-N <name>] [-P <phone_no>] [-R <room>] [-T <title>]
[-U <uid>] [-X <fax_no>] [-E <email>] [-1 <addr1>]
[-2 <addr2>] [-3 <addr3>] [-4 <addr4>]))
Version: version
-a <action>
  a Add user
  d Delete user
  u Update user
-d <desc> Description
-e <expire_date> Date used to delete users
-f <format> Format of date string
-g <[+]-group1> list of userids separated by spaces
  + add user to group
  - remove user from group on update
-h <hostname> OnDemand Hostname (command line only)
-i <userid> New or existing userid
-p <passwd> OnDemand User Login Password (command line only)
-s <time_out> Inactivity Time out
-t <type>
  a Create appl/appl grps
  b Create appl/appl grps & folders
  c Create users
  d Appl group/folder administrator
  e Create groups
  f Create folders
  g User administrator
  s System administrator
  u User
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-w <passwd> Password of user being processed
-A <account> Account information
-B <bldg> Building
-C <company> Company
-D <dept> Department
-E <email> E-Mail Address
-F <parmfile> Requests parameter file (command line only)
-G <cover_page> Cover page
-L <dflt_prtr> Default printer
-N <name> Name
-P <phone_no> Phone number
-R <room> Room
-T <title> Title
-U <uid> UID
-X <fax_no> Fax number
-1 <addr1> Address line 1
-2 <addr2> Address line 2
-3 <addr3> Address line 3
-4 <addr4> Address line 4
```

Flags in a parameter file must be delimited by brackets EX: [-i userid]

ARS6501I • ARS6502I

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6501I

Usage: `arsadm group -h hostname [-u <userid>] [-p <passwd>] [-v] (-F <parmfile> | ([-a <action>] [-d <desc>] -g <groupname> [-i <[+>userid] [-o <owner>] [-G <gid>]]))`
Version: *version*
-a <action>
 a Add group
 d Delete group
 u Update group
-d <desc> Description
-g <groupname> New or existing group name
-h <hostname> OnDemand Hostname (command line only)
-i <[+>userid> list of userids separated by spaces
 + add user to group
 - remove user from group on update
-o <owner> Userid or Group name that owns the group
-p <passwd> OnDemand User Login Password (command line only)
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)
-G <gid> GID

Flags in a parameter file must be delimited by brackets EX: [-g groupname]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6502I

Usage: `arsadm printer -h hostname [-u <userid>] [-p <passwd>] [-v] (-F <parmfile> | ([-a <action>] [-d <desc>] -n <printername> -q <queue> [-t <type>]))`
Version: *version*
-a <action>
 a Add printer
 d Delete printer
 u Update printer
-d <desc> Description
-h <hostname> OnDemand Hostname (command line only)
-n <printername> New or existing printer name
-p <passwd> OnDemand User Login Password (command line only)
-q <queue> Name of PSF printer queue
-t <type>
 p Printer
 f Fax
 i Printer with information
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)

Flags in a parameter file must be delimited by brackets EX: [-n printername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6503E The server failed while attempting to get user information.

Explanation: The command failed when attempting to get user information from the server.

User response: See the other messages that the command generated and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6504E The server failed while attempting to get group information.

Explanation: The command failed when attempting to get group information from the server.

User response: See the other messages that the command generated and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6505E The server failed while attempting to get printer information.

Explanation: The command failed when attempting to get printer information from the server.

User response: See the other messages that the command generated and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6507I arsadm completed.

Explanation: This message is for your information only.

User response: No action is required.

ARS6508E UID must be a valid number less than or equal to 80000.

Explanation: The value that was specified for the UID is not a valid value.

User response: Resubmit the command with a valid UID value.

ARS6509E GID must be a valid number greater than 80000.

Explanation: The value that was specified for the GID is not a valid value.

User response: Resubmit the command with a valid GID value.

ARS6510E The userid must be provided to continue the operation.

Explanation: The user ID is required but was not specified.

User response: Resubmit the command with a valid user ID.

ARS6511E The group name must be provided to continue the operation.

Explanation: The group name is required but was not specified.

User response: Resubmit the command with a valid group name.

ARS6512E The queue name must be provided to continue the operation.

Explanation: The queue name is required but was not specified.

User response: Resubmit the command with a valid queue name.

ARS6513E The queue name cannot be removed when updating a printer.

Explanation: The queue name is a required field and cannot be blank.

User response: Resubmit the command with a valid queue name.

ARS6514E • ARS6523E

ARS6514E The printer name must be provided to continue the operation.

Explanation: The printer name is required but was not specified.

User response: Resubmit the command with a valid printer name.

ARS6515E The UID cannot be specified when updating a user.

Explanation: The UID value cannot be changed for an existing user.

User response: Resubmit the command without the UID value.

ARS6516E The GID cannot be specified when updating a group.

Explanation: The GID value cannot be changed for an existing group.

User response: Resubmit the command without the GID value.

ARS6517E When deleting a user only the **-i** flag or the **-e** and **-f** flags can be specified.

Explanation: Conflicting or incorrect parameters were specified. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS6518E Flags that provide group information cannot be specified when deleting a group (Ex. **-d desc**).

Explanation: Conflicting or incorrect parameters were specified. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS6519E Flags that provide printer information cannot be specified when deleting a printer (Ex. **-d desc**).

Explanation: Conflicting or incorrect parameters were specified. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command with the correct parameters.

ARS6520E Printer '*printer_name*' was not found.

Explanation: The specified printer could not be found on the server.

User response: Verify the name of the printer and that the printer exists on the server. Then resubmit the command.

ARS6521E Group '*group_name*' was not found.

Explanation: The specified group could not be found on the server.

User response: Verify the name of the group and that the group exists on the server. Then resubmit the command.

ARS6522E User '*userid*' was not found.

Explanation: The specified user could not be found on the server.

User response: Verify the name of the user and that the user exists on the server. Then resubmit the command.

ARS6523E User cannot be removed from group '*group*' when performing an add operation.

Explanation: The specified group was preceded by a minus (-) character, which indicates that the user should be removed from the group. However, a user cannot be removed from a group during an add operation.

User response: Resubmit the command without the minus character in front of the group or resubmit the command without the group.

ARS6524E **Userid '*userid*' does not exist.**

Explanation: The specified user ID could not be found on the server.

User response: Verify that the user ID exists on the server. Then resubmit the command.

ARS6525E **Group name '*group_name*' does not exist.**

Explanation: The specified group name could not be found on the server.

User response: Verify the name of the group and that the group exists on the server. Then resubmit the command.

ARS6528E **User '*userid*' cannot be added. Either the userid or UID already exists.**

| **Explanation:** The specified user ID or the UID already exists. For example, when you use ARSXML to import a
| large number of users, you might receive this message, because ARSXML generates UIDs for the users it imports,
| however, it does not guarantee that the UIDs are unique. Occasionally, two imports get the same UID, and one fails.

| **User response:** Resubmit the command with a different user ID or UID value. In the example of ARSXML, the users
| that failed in the first import action get added. All the previously successful additions fail when you attempt the
| import action the second time, however, those messages can be ignored, since the users are already defined.

ARS6529E **Group name '*group_name*' cannot be added. Either the group name or GID already exists.**

Explanation: The specified group name or the GID already exists.

User response: Resubmit the command with a different group name or GID value.

ARS6530E **Printer name '*printer_name*' cannot be added. The printer name already exists.**

Explanation: The specified printer name already exists.

User response: Resubmit the command with a different printer name.

ARS6531E **The '*-flag*' flag has a value that exceeds the maximum length of '*length*'.**

Explanation: The value that was provided for the specified parameter exceeds the maximum length allowed. The allowed length is given in the message.

User response: Resubmit the command with a valid value for the parameter.

ARS6532E **User '*userid*' already exists in group '*group_name*'.**

Explanation: The specified user was already added to the specified group.

User response: Verify the user ID and the name of the group. Then resubmit the command.

ARS6533E **User '*userid*' has already been removed from group '*group_name*'.**

Explanation: The specified user was already removed from the specified group.

User response: Verify the user ID and the name of the group. Then resubmit the command.

ARS6534E **'*name*' was found more than one time in the list.**

Explanation: The specified name was included in the list more than once.

User response: Remove the duplicate name from the list and resubmit the command.

ARS6535E • ARS6544I

ARS6535E The first available UID could not be determined from the server.

Explanation: An unexpected error occurred during the execution of this program.

User response: Contact your IBM Service Representative.

ARS6536E The first available GID could not be determined from the server.

Explanation: An unexpected error occurred during the execution of this program.

User response: Contact your IBM Service Representative.

ARS6537E The inactivity time out value must be -1 (never time out), 0 (use system value), or in the range 1 - 1440.

Explanation: The value that was specified for the Inactivity Time Out value is not valid. Valid ranges are identified in the message.

User response: Resubmit the command with a valid inactivity time out value.

ARS6538I Querying for user '*userid*' on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6539I Querying for group '*group_name*' on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6540I Adding user '*userid*' to group '*group_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6541I Deleting user '*userid*' from group '*group_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6542I Adding user '*userid*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6543I Deleting user '*userid*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6544I Updating user '*userid*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6545I Adding group '*group_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6546I Deleting group '*group_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6547I Updating group '*group_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6548I Adding printer '*printer_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6549I Deleting printer '*printer_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6550I Updating printer '*printer_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6551E The group '*group_name*' cannot be used as the group owner.

Explanation: The owner of the group cannot be the group itself.

User response: Resubmit the command with a different group name for the group owner.

ARS6552E The date value of '*date_value*' using format '*format*' cannot be converted to an internal date value.

Explanation: The specified date value could not be converted to an internal date value. A complete list of valid date formats is provided in the *Administration Guide*.

User response: Resubmit the command with a valid date value using the specified format.

ARS6553E The **-e** and **-f** flags can only be used when deleting a user.

Explanation: The **-e** or **-f** parameters were specified and the requested operation was not delete. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-e** and **-f** parameters.

ARS6554E The report generation flags **-O** and **-S** cannot be used with flags that are used for add/update/delete functions.

Explanation: The **-O** and **-S** parameters can be specified only to generate a report. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the **-O** and **-S** parameters.

ARS6594I Report has been written to file '*file_name*'

Explanation: This message is for your information only.

User response: No action is required.

ARS6617I Querying for application groups on server '*server*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6635I Querying for folders on server '*server*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6653I Flags that are used to perform add/update/delete functions cannot be specified when requesting a report.

Explanation: When requesting a report, only the directory, file name, and name can be specified.

User response: Resubmit the command with the correct parameters.

ARS6661E The output file name must be specified if a directory path is specified.

Explanation: The directory path was specified without an output file name.

User response: Resubmit the command with a valid path and output file name.

ARS6662E The name must be provided to continue the operation.

Explanation: The name was not provided.

User response: Resubmit the command with a valid name.

ARS6663I

```
Usage: arsadm set -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ([-a <action>] -n <setname> [-d <desc>]
[-t <type>] [-H <objserver>] [-N <nodename>] [-D <desc>]
[-i <logon>] [-w <passwd>] [-l <nodename> ] [-T <nodetype>]
[-c <value>] [-A nodeaction]))
  Version: version
  -a <action>
    a Add storage set
    d Delete storage set
    u Update storage set
  -c <value>
    y Cache only
    n Non-cache only
  -d <desc> Description of storage set
  -h <hostname> OnDemand Hostname (command line only)
  -i <logon> Storage manager logon name
  -l <nodename> Identifier for the storage node
                    Storage Node
                    High Level Qualifier (VSAM) OD/390 Object Server
                    Collection Name (OAM) OD/390 Object Server
  -n <setname> Storage set name
  -p <passwd> OnDemand User Login Password (command line only)
  -t <loadtype> Storage Set load type
    f Fixed
```


I Local

- u <userid> OnDemand User Login Name (command line only)
- v Verbose (command line only)
- w <passwd> Storage manager logon password
- A <nodeaction>
 - a Add storage node
 - d Delete storage node
 - u Update storage node
- D <desc> Description of storage node
- F <parmfile> Requests parameter file (command line only)
- H <objserver> Object Server name for storage node
- N <nodename> Storage node Name
- T <nodetype> Storage Node type
 - n Non-OD/390 Object Server
 - o OD/390 Object Server using the OAM Access Method
 - v OD/390 Object Server using the VSAM Access Method

Flags in a parameter file must be delimited by brackets EX: [-n setname]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6664E 'name' was not found or does not exist on the server.

Explanation: The specified object was not found on the server.

User response: Verify that the object exists on the server and that the user has the authority to access the object. Then resubmit the command.

ARS6692I

Usage: `arsadm appl -h hostname [-u <userid>] [-p <passwd>] [-v] [-F <parmfile>] | ([-a <action>] -n <applname> [-O <filename>] [-S <dir>])`

Version: *version*

- a <action>
 - r Generate a report for the application
- h <hostname> OnDemand Hostname (command line only)
- n <applname> Existing application name
- p <passwd> OnDemand User Login Password (command line only)
- u <userid> OnDemand User Login Name (command line only)
- v Verbose (command line only)
- F <parmfile> Requests parameter file (command line only)
- O <filename> Report file name
- S <dir> Directory to store report

Flags in a parameter file must be delimited by brackets EX: [-n applname]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6693I

Usage: `arsadm applgrp -h hostname [-u <userid>] [-p <passwd>] [-v] [-F <parmfile>] | ([-a <action>] -n <applgrpname> [-O <filename>] [-S <dir>])`

Version: *version*

- a <action>
 - r Generate a report for the application group
- h <hostname> OnDemand Hostname (command line only)

ARS6694I • ARS6700I

-n <applgrpname> Existing application group name
-p <passwd> OnDemand User Login Password (command line only)
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)
-O <filename> Report file name
-S <dir> Directory to store report

Flags in a parameter file must be delimited by brackets EX: [-n applgrpname]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6694I

Usage: arsadm folder -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ([-a <action>] -n <foldername> [-O <filename>]
[-S <dir>]))

Version: *version*

-a <action>
 r Generate a report for the folder
-h <hostname> OnDemand Hostname (command line only)
-n <foldername> Existing folder name
-p <passwd> OnDemand User Login Password (command line only)
-u <userid> OnDemand User Login Name (command line only)
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)
-O <filename> Report file name
-S <dir> Directory to store report

Flags in a parameter file must be delimited by brackets EX: [-n foldername]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6700I

Usage: arsexprt -h hostname [-u <userid>] [-p <passwd>] [-v]
(-F <parmfile> | ([-c] [-e <user_group_list>] -i <import_userid>
-s <import_srvr> -t <type> -w <import_passwd> -N <name>))

Version: *version*

-c Ignore warnings
-e <user_group_list> List of users and groups to exclude permissions
(e.g. -e \"user1 +group1 user2 +group2\")
(group names must be preceded by the plus sign)
-h <hostname> OnDemand Hostname (command line only)
-i <import_userid> Import server login userid
-p <passwd> OnDemand User Login Password (command line only)
-s <import_srvr> Server where object will be added
-t <type>
 u User
 g Group
 a Application group
 s Storage set
 f Folder
 p Printer
-u <userid> OnDemand User Login Name (command line only)
-w <import_passwd> Import server login passwd
-v Verbose (command line only)
-F <parmfile> Requests parameter file (command line only)

-N <name> Name of object to export

Flags in a parameter file must be delimited by brackets EX: [-u userid]

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS6703E The name of the exported item must be provided to continue the operation.

Explanation: The name is missing from the request.

User response: Resubmit the command with the name of the item to be exported.

ARS6708I arsexprt completed.

Explanation: This message is for your information only.

User response: No action is required.

ARS6712E The only options that can be specified with the -F option are -u, -p, -h, -c, -v, -i, -s, and -w.

Explanation: One or more parameters that are not valid with the -F parameter were specified.

User response: Resubmit the command with the correct parameters.

ARS6720E 'name' was not found on the 'server_name' server.

Explanation: The specified name could not be found on the specified server.

User response: Verify that the object exists on the server and that the user has the authority to access the object. Then resubmit the command.

ARS6815E The import userid must be provided to continue the operation.

Explanation: The user ID for the target server was not specified.

User response: Resubmit the command with a user ID for the target server.

ARS6816E The import password must be provided to continue the operation.

Explanation: The password for the target server was not specified.

User response: Resubmit the command with a password for the target server.

ARS6817E The import host name must be provided to continue the operation.

Explanation: The host name of the target server was not specified.

User response: Resubmit the command with the host name of the target server.

ARS6819E The export type must be provided to continue the operation.

Explanation: The type of export to perform was not specified.

User response: Resubmit the command with the type of export to perform.

ARS6822I Attempting login for userid 'userid' on server 'server_name' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6825I Processing *object* ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6826I Querying for users on server '*server_name*'...

Explanation: This message is for your information only.

User response: No action is required.

ARS6827E A user or group with id '*id*' could not be found on server '*server_name*'.

Explanation: The UID of the user ID or the GID of the group could not be found on the specified server.

User response: Verify the user ID and the name of the group and the name of the server and resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6828I Querying for groups on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6829I Querying for storage sets on server '*server_name*'...

Explanation: This message is for your information only.

User response: No action is required.

ARS6830E '*name*' already exists on server '*server_name*'.

Explanation: The specified object already exists on the specified server.

User response: Resubmit the command with a different object name.

ARS6831E The server failed while adding a storage set.

Explanation: The command failed when attempting to add a storage set.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6832E The server failed while adding a storage node to a storage set.

Explanation: The command failed when attempting to add a storage node to a storage set.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6833E The server host names must be different to continue the operation.

Explanation: The source server name and the target server name are the same.

User response: Resubmit the command and specify a name for the source server that is different than the name of the target server.

ARS6834E Unable to identify the name of the default printer.

Explanation: The name of the default printer cannot be determined.

User response: Verify that the user has access to the printer so that the printer name can be determined. Then resubmit the command.

ARS6835E The application group '*applgrp_name*' does not exist or the user does not have permission to access the application group.

Explanation: The specified application group could not be found on the server or the user does not have permission to access the application group.

User response: Verify the name of the application group and that the application group exists on the server. Verify that the user has permission to access the application group. Then resubmit the command.

ARS6836I Querying for application group '*applgrp_name*' on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6837E A storage set with id '*sid*' could not be found on server '*server_name*'.

Explanation: The command failed because a storage set could not be found on the specified server.

User response: Verify the name and ID of the storage set and the name of the server. Resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6838E A printer with id '*pid*' could not be found on server '*server_name*'.

Explanation: The command failed because a printer could not be found on the specified server.

User response: Verify the name and ID of the printer and the name of the server. Verify that the user ID performing the export has permission to see the printer. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6839I Querying for folder '*folder_name*' on server '*server_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS6840E The folder '*folder_name*' does not exist or the user does not have permission to access the folder.

Explanation: The command failed because the specified folder could not be found on the server.

User response: Verify the name of the folder and that the folder exists on the server. Verify that the user has permission to access the folder. Then resubmit the command. If the problem persists, contact your IBM Service Representative.

ARS6841E The server failed while deleting a storage set.

Explanation: The server operation failed when attempting to delete a storage set.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6842E The server failed while updating a storage set.

Explanation: The server operation failed when attempting to update a storage set.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6843E The server failed while deleting a storage node from a storage set.

Explanation: The server operation failed when attempting to delete a node from a storage set.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS6844E • ARS7004E

ARS6844E The server failed while updating a storage node in a storage set.

Explanation: The server operation failed when attempting to update a storage node.

User response: See the other messages that were generated by the command and see messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS7000I

Usage: arsmmgr -h hostname [-u <userid>] [-p <passwd>] [-v]
[-c <out_dir>] -d <in_dir> [-e <delim>] [-f <foldername>]
[-l] -m <min_nbr> [-n <nbr_drives>] [-t <seconds>] [-F <ext>]
-T <max_wait_time> [-r] [-H] [-I]
Version: *version*
-c <out_dir> Output directory
-d <in_dir> Input directory
-e <delim> Character separator between index values
-f <foldername> OnDemand folder
-h <hostname> OnDemand Hostname
-l Write messages to log file
-m <min_nbr> Minimum # of entries present before retrieval begins
-n <nbr_drives> Maximum # of drives per OnDemand Object server
-p <passwd> OnDemand User Login Password
-r Perform reconciliation processing
-t <seconds> # of seconds to wait before looking for requests
-u <userid> OnDemand User Login Name
-v Verbose
-F <ext> File extension of the input parameter files
-H Request file is in hit list format
-I Write hits to a file
-R <name> Request file name
-T <max_wait_time> # of seconds to wait before processing a request

Explanation: An incorrect parameter was specified for the command. The valid parameters are given in the message and are explained in the OnDemand *Administrator's Guide*.

User response: Resubmit the command with the correct parameters.

ARS7001I arsmmgr completed.

Explanation: This message is for your information only.

User response: No action is required.

ARS7002E The input directory must be provided to continue the operation.

Explanation: The input directory was not specified.

User response: Resubmit the command with a valid input directory.

ARS7003E The directory '*dirpath*' does not exist or cannot be accessed.

Explanation: The specified directory could not be found or accessed.

User response: Verify that the directory exists and that the user has access to the directory. Then resubmit the command.

ARS7004E The minimum number of requests to process must be provided to continue the operation.

Explanation: The minimum number of requests to process was not specified.

User response: Resubmit the command with the minimum number of requests to process.

ARS7005E The maximum amount of time to wait to process a request must be provided to continue the operation.

Explanation: The maximum amount of time to wait was not specified.

User response: Resubmit the command with the maximum amount of time to wait.

ARS7006E The folder field value of *'field_value'* is not valid for field *'field_name'* in request *'request_identifier'*.

Explanation: The specified value is not valid for the specified field.

User response: Resubmit the command with a valid value for the field.

ARS7008E The file doesn't contain any records.

Explanation: The request file does not contain any records.

User response: Resubmit the command with a file that contains request records.

ARS7009E Unable to submit requests with command *'command'*.

Explanation: The specified command failed.

User response: Verify that the environment variable ARS_MEDMGR is set correctly and that the command exists on the system. Then resubmit the command.

ARS7010I The **-d, -E, -I, -n, -m, -r, -t, and -T** flags are being ignored in this session.

Explanation: This message is for your information only.

User response: No action is required.

ARS7011I Logging off the server.

Explanation: This message is for your information only.

User response: No action is required.

ARS7012I File *'file_name'* renamed to *'file_name_new'*.

Explanation: This message is for your information only.

User response: No action is required.

ARS7013I Building hit list for *'folder_name'* ...

Explanation: This message is for your information only.

User response: No action is required.

ARS7014I Hit list successful

Explanation: This message is for your information only.

User response: No action is required.

ARS7015E Hit list unsuccessful

Explanation: The command failed when attempting to generate the document list.

User response: See the other messages that were generated by the command and see additional messages in the OnDemand System Log for more information. If the problem persists, contact your IBM Service Representative.

ARS7016E • ARS7512E

ARS7016E The **-r** flag and the **-H** flag cannot be used together.

Explanation: Reconciliation processing (**-r**) cannot be performed when the request file is in hit list format (**-H**).

User response: Resubmit the command with either the **-r** parameter or the **-H** parameter.

ARS7505I Adding storage set '*set_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS7506I Deleting storage set '*set_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS7507I Updating storage set '*set_name*' ...

Explanation: This message is for your information only.

User response: No action is required.

ARS7508E Storage Set '*set_name*' cannot be added. The storage set already exists.

Explanation: A storage set with the specified name already exists on the server.

User response: Resubmit the command with a different storage set name.

ARS7509E Flags that provide set or node information cannot be specified when deleting a set (Ex. **-d desc**).

Explanation: A parameter was specified that is not valid with a delete operation. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the parameter.

ARS7510E Flags that provide storage node information cannot be specified when updating a set (Ex. **-N nodename**).

Explanation: A parameter was specified that is not valid with an update operation. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the parameter.

ARS7511E Flags that provide userid and password information cannot be specified when the storage node is cache only, located on an OD/390 object server, or OS/400 server.

Explanation: A parameter was specified that is not valid for the type or location of the storage node. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command without the parameter.

ARS7512E Flags that provide userid and password information must be specified when the storage node is not cache only.

Explanation: The user ID and password were not specified.

User response: Resubmit the command with a valid user ID and password.

ARS7513E The storage node name is required. Enter a valid storage node name.

Explanation: The storage node name was not specified.

User response: Resubmit the command with a valid storage node name.

ARS7514E Unable to delete the storage set. The storage set contains application groups.

Explanation: The command failed when attempting to delete the storage set because one or more application groups are assigned to the storage set. A storage set cannot be deleted if one or more application groups are assigned to the storage set.

User response: Delete the application groups that are assigned to the storage set. Then resubmit the command to delete the storage set.

ARS7515E The description, load type, or node information must be specified when updating a storage set.

Explanation: Information that is required to update a storage set was not specified.

User response: Resubmit the command with the description, load type, and node information.

ARS7516E The Load Type cannot be change to Local. One primary node on each server must be identified as the node where data will be loaded.

Explanation: A request was made to change the load type to local. However, none of the primary nodes for each server have been identified as the node where data will be loaded.

User response: Set the load data option on one primary node on each server to which data will be loaded.

ARS7517E The Load Type cannot be change to Fixed. More than one node has been identified as the node where data will be loaded.

Explanation: A request was made to change the load type to fixed. However, more than one node is identified as the node to which data will be loaded.

User response: Set the load data option on one and only one storage node in the storage set.

ARS7518E When deleting a storage node, only the set name, node name, and new load node name can be provided.

Explanation: A parameter was specified that is not valid with a delete operation. All ARSADM parameters are explained in the *Administration Guide*.

User response: Resubmit the command with only the set name, node name, or new load node name.

ARS7519E A storage node cannot be deleted or updated when a storage set is added.

Explanation: A request was made to add a storage set and update or delete a storage node during the same operation. The storage node actions must be performed separately from the storage set addition.

User response: Resubmit the command without the update or delete parameters.

ARS7520E Storage node '*node_name*' cannot be added. It already exists in the storage set.

Explanation: The specified storage node already exists in the storage set.

User response: Resubmit the command with a different storage node name.

ARS7521E Storage node '*node_name*' cannot be updated or deleted. It does not exist in the storage set.

Explanation: The specified storage node name does not exist in the storage set.

User response: Resubmit the command with a different storage node name.

ARS7522E • ARS7530E

ARS7522E The storage node '*node_name*' cannot be deleted. It is the only storage node in the storage set.

Explanation: A request was made to delete the only storage node in the storage set. A storage set must contain at least one storage node.

User response: If you want to delete the storage node, but not the storage set, first add a new storage node and then delete the old storage node. If you want to delete the storage node and the storage set, delete the storage set.

ARS7523E The Load Type cannot be changed when a storage node is being updated, deleted, or added.

Explanation: A request was made to change the load type when updating, deleting, or adding a storage node. The load type cannot be changed during these operations.

User response: Submit a separate command to change the load type.

ARS7524E When adding a node, the load data flag can only be set for the node being added.

Explanation: The Load Data parameter was specified for a storage node other than the storage node that was being added.

User response: Resubmit the command and set the Load Data parameter for the storage node that is being added.

ARS7525E Node information must be specified when updating a storage node.

Explanation: Information that is required to update a storage node was not specified.

User response: Resubmit the command with the required storage node information.

ARS7526E One primary node on each server must be identified as the node where data will be loaded.

Explanation: You must specify a primary node on which to load data. If you are loading data on multiple servers, you must specify the primary node for each one.

User response: For each server, set the load data option on the primary node to which data will be loaded.

ARS7527E More than one primary node on server '*server_name*' has been identified as the node where data will be loaded.

Explanation: More than one primary node on a server was identified as the node to which data will be loaded.

User response: Set the load data option on only one primary node on each server.

ARS7528E More than one node has been identified as the node where data will be loaded.

Explanation: When the load type is fixed, only one storage node can be identified as the node to which data will be loaded.

User response: Set the load data option on only one storage node in the storage set.

ARS7529E The storage node password must be at least one non-blank character.

Explanation: The storage node password was blank.

User response: Resubmit the command with a valid storage node password.

ARS7530E The storage node host name cannot be all blank characters.

Explanation: The host name contains all blank characters.

User response: Resubmit the command with a valid host name.

ARS7531I Adding node '*node_name*' in storage set '*set_name*' ...

Explanation: The specified node is being added to the specified storage set. This message is for your information only.

User response: No action is required.

ARS7532I Deleting node '*node_name*' in storage set '*set_name*' ...

Explanation: The specified node is being deleted from the specified storage set. This message is for your information only.

User response: No action is required.

ARS7533I Updating node '*node_name*' in storage set '*set_name*' ...

Explanation: The specified node is being updated in the specified storage set. This message is for your information only.

User response: No action is required.

Part 2. OAM support services ABEND codes

Chapter 3. Introduction

ABEND code U-0039 (X'0027') is issued by the OAM support services when a failure or error condition occurs for which normal program execution cannot continue.

An associated reason code (usually contained in general register 15 at the time of ABEND) further describes the condition. The reason code is an 8-digit hexadecimal value of the form *mmmmrrrr* where:

***mmmm* (the high order 4-digits)**

is the binary coded decimal representation of an associated message number. If these digits are 0000 then no message was issued.

***rrrr* (the low order 4-digits)**

is a reason code that identifies the failure or error condition. The reason code descriptions that are listed beginning on page Chapter 4, "OAM support services reason codes," on page 159 correspond to the *rrrr* digits.

Unless indicated otherwise, the following items apply to all reason codes:

System Action:

The system might create LOGREC records and might also produce an SVC dump.

System Programmer Response:

Search problem reporting databases for a fix for the problem. If no fix exists, please have the following diagnostic and problem determination materials available and contact your IBM Service Representative:

- Binary machine readable dump data sets (for example, SVC dump and SYSMDUMP data sets). Note that print image formatted dumps written to data sets referenced by the SYSUDUMP and SYSABEND DD statements are, in general, inadequate when performing problem determination.
- Formatted LOGREC records related to the failure. See the *Environmental Record Editing and Printing Program (EREP) User's Guide*, GC35-0151 and the *Environmental Record Editing and Printing Program (EREP) Reference*, GC35-0152 for information regarding the selection and formatting of LOGREC records.
- Relevant sections of the MVS system log.
- All related job logs and JCL listings.

Chapter 4. OAM support services reason codes

The following reason codes are associated with ABEND code U-0039 (X'0027') that is issued by the OAM support services when a failure or error condition occurs for which normal program execution cannot continue. See Chapter 3, "Introduction," on page 157 for general information about the reason codes, including the system action and the system programmer response.

0250

Description: Queueing services request error: An invalid combination of storage attributes has been specified on a queue or queue element BUILD request.

Detecting Module: ARS3QMGR

0251

Description: Queueing services request error: The caller is not executing in task mode and is not properly authorized.

Detecting Module: ARS3QMGR

0252

Description: Queueing services error: An unexpected return code was received from the MVS lock manager when attempting to obtain a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3QMGR

0253

Description: Queueing services error: An unexpected return code was received from the MVS lock manager when attempting to release a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3QMGR

0254

Description: Queueing services error: A queue validity error was detected. An element was expected to reside on a queue, however, it appears that the element is not properly queued.

Detecting Module: ARS3QMGR

0255

Description: Queueing services error: A queue validity error was detected. An element was found that was expected to not reside on a queue, however, its queue header pointer was non-zero.

Detecting Module: ARS3QMGR

0256

Description: Queueing services error: The queue serialization level value within the queue header was invalid.

Detecting Module: ARS3QMGR

0257

Description: Queueing services request error: An attempt was made to destroy an element that still resided on a queue.

Detecting Module: ARS3QMGR

0258

Description: Queueing services request error: An attempt was made to destroy a queue header that described a non-empty queue.

Detecting Module: ARS3QMGR

0259

Description: Queueing services request error: The service was invoked by an unauthorized caller through a mechanism other than the workstation instruction.

Detecting Module: ARS3QMGR

025A

Description: Queueing services request error: The caller is not executing in task mode and has not supplied a TCB pointer to associate with VSM requests.

Detecting Module: ARS3QMGR

025B

Description: Queueing services error: An unexpected return code was received from the TCBTOKEN service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the TCBTOKEN plist.

R14: Contains the TCBTOKEN service return code.

Detecting Module: ARS3QMGR

0270

Description: Initialization failure: One or more support modules could not be loaded.

Detecting Module: ARS3OCT

0271

Description: An unexpected return code was received from ATTACH. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ATTACH plist.

R14: Contains the ATTACH service return code.

Detecting Module: ARS3OCT

0272

Description: An unexpected return code was received from the MVS lock manager when attempting to obtain a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3OCT

0273

Description: An unexpected return code was received from the MVS lock manager when attempting to release a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3OCT

0274

Description: The end-of-task exit program was entered for a TCB that did not have a corresponding element on the ARS3CAS_TCBQH subtask queue. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R2: Contains the TCB pointer presented to the ETXR.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARS3OCT

0275

Description: Initialization error: An unacceptable value was specified for the number of ARS3OSR tasks to be attached. At the time of ABEND registers are loaded as follows:

R0: Contains the specified task count.

Additional Problem Determination Information: OAM services initialization parameters are contained in the `ars.cfg` file, which resides in the `/usr/lpp/ars/config` directory. The number of ARS3OSR tasks to be attached is specified as the operand of the `ARS_NUM_OAMSRVR` statement. The value specified must be non-negative and less than or equal to 30.

Detecting Module: ARS3OCT

0276

Description: The attempt to establish an ESTAEX recovery environment was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ESTAEX reason code.

R14: Contains the ESTEAX reason code.

Detecting Module: ARS3OCT

027A

Description: An unexpected return code was received from the ARS3QMGR service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP struct.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARS3OCT

027B

Description: An unexpected return code was received from the TCBTOKEN service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the TCBTOKEN plist.

R14: Contains the TCBTOKEN service return code.

Detecting Module: ARS3OCT

027D

Description: An unexpected return code was received from an IEANTxx service. At the time of ABEND registers are loaded as follows:

R0: Indicates which service was being requested.

4: IEANTCR

8: IEANTRT

C: IEANTDL

R14: Contains the IEANTxx return code.

Detecting Module: ARS3OCT

027E

Description: A subtask did not terminate when requested to do so. The subtask is being forcibly terminated using CALLRTM.

Detecting Module: ARS3OCT

027F

Description: During subsystem shutdown, not all subtasks could be terminated.

Detecting Module: ARS3OCT

0292

Description: An unexpected return code was received from the MVS lock manager when attempting to obtain a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3OSR

0293

Description: An unexpected return code was received from the MVS lock manager when attempting to release a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager (SETLOCK) return code.

Detecting Module: ARS3OSR

0296

Description: The attempt to establish an ESTAEX recovery environment was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ESTAEX reason code.

R14: Contains the ESTEAX reason code.

Detecting Module: ARS3OSR

029A

Description: An unexpected return code was received from the ARS3QMGR service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARS3OSR

029B

Description: An unexpected return code was received from the TCBTOKEN service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the TCBTOKEN plist.

R14: Contains the TCBTOKEN service return code.

Detecting Module: ARS3OSR

037A

Description: An unexpected return code was received from the ARS3QMGR service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARS3ORI

Part 3. JES spool data capture facility ABEND codes

Chapter 5. Introduction

ABEND code U-0039 (X'0027') is issued when a failure or error condition occurs for which normal program execution cannot continue. An associated reason code (usually contained in general register 15 at the time of ABEND) further describes the condition.

The reason code is an eight-digit hexadecimal value of the form *mmmmrrrr* where:

***mmmm* (the high order four digits)**

is the binary coded decimal representation of an associated message number. If these digits are 0000 then no message was issued.

***rrrr* (the low order four digits)**

is a reason code that identifies the failure or error condition. The reason code descriptions that are listed beginning on page Chapter 6, "JES spool data capture facility reason codes," on page 169 correspond to the *rrrr* digits.

Unless indicated otherwise, the following items apply to all reason codes:

System Action:

The system might create LOGREC records and might also produce an SVC dump.

System Programmer Response:

Search problem reporting data bases for a fix for the problem. If no fix exists, collect the following diagnostic and problem determination information and then contact the IBM support center:

- Binary machine readable dump data sets (for example, SVC dump and SYSMDUMP data sets). Note that print image formatted dumps written to data sets referenced by the SYSUDUMP and SYSABEND DD statements are, in general, inadequate when performing problem determination.
- Formatted LOGREC records related to the failure. See the *Environmental Record Editing and Printing Program (EREP) User's Guide*, GC35-0151 and the *Environmental Record Editing and Printing Program (EREP) Reference*, GC35-0152 for information regarding the selection and formatting of LOGREC records.
- Relevant sections of the MVS system log.
- All related job logs and JCL listings.

Chapter 6. JES spool data capture facility reason codes

The following reason codes are associated with ABEND code U-0039 (X'0027') that is issued by the JES spool data capture facility (ARSYSPIN) when a failure or error condition occurs for which normal program execution cannot continue. See Chapter 5, "Introduction," on page 167 for general information about the reason codes, including the system action and the system programmer response.

025C

Description: Queue header or queue element validation failed for one of the following reasons:

- The structure pointer was either null or was not on a doubleword boundary.
- The expected ID string was not found in the structure.

Detecting Module: ARS3QMGR

025D

Description: Queue header validation failed for one of the following reasons:

- One, but not both, of the top or bottom of queue pointers was null.
- One, but not both, of the top or bottom of queue pointers pointed to the queue header.

Detecting Module: ARS3QMGR

025E

Description: During queue verification, a serialization error was detected while attempting to restore the queue element chain.

Detecting Module: ARS3QMGR

025F

Description: During queue verification, a serialization error was detected while attempting to remove the queue element chain.

Detecting Module: ARS3QMGR

0260

Description: During queue verification, an element chaining or element condition error was detected.

Detecting Module: ARS3QMGR

0261

Description: A request has been received to dequeue a specific element, however, the element was not found on the specified queue.

Detecting Module: ARS3QMGR

0401

Description: The attempt to OPEN a DCB was not successful. At the time of ABEND registers are loaded as follows:

R0: Points to an area consisting of the DDNAME immediately followed by the DCB.

R14: Contains the OPEN return code.

0402 • 0471

Detecting Module: ARSYSPIN

0402

Description: The attempt to create a capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

- R0:** Contains the DSPSERV reason code.
- R2:** Points to the DSPSERV interface plist.
- R14:** Contains the DSPSERV return code.

Detecting Module: ARSYSPIN

0403

Description: The attempt to create an access list entry for the capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

- R0:** Contains the ALESERV reason code.
- R2:** Points to the ALESERV interface plist.
- R14:** Contains the ALESERV return code.

Detecting Module: ARSYSPIN

0404

Description: The attempt to delete the capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

- R0:** Contains the DSPSERV reason code.
- R2:** Points to the DSPSERV interface plist.
- R14:** Contains the DSPSERV return code.

Detecting Module: ARSYSPIN

0405

Description: The attempt to delete the access list entry for the capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

- R0:** Contains the ALESERV reason code.
- R2:** Points to the ALESERV interface plist.
- R14:** Contains the ALESERV return code.

Detecting Module: ARSYSPIN

0470

Description: One or more support modules could not be loaded.

Detecting Module: ARSYSPIN

0471

Description: An unexpected return code was received from ATTACH. At the time of ABEND registers are loaded as follows:

- R0:** Contains the address of the ATTACH plist.
- R14:** Contains the ATTACH service return code.

Detecting Module: ARSYSPIN

0472

Description: An unexpected return code was received from the MVS lock manager when attempting to obtain a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager return code.

Detecting Module: ARSYSPIN

0473

Description: An unexpected return code was received from the MVS lock manager when attempting to release a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager return code.

Detecting Module: ARSYSPIN

0474

Description: The end-of-task exit program was entered for a TCB that did not have a corresponding element on the ARSYCAS_TCBQH subtask queue. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R2: Contains the TCB pointer presented to the ETXR.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARSYSPIN

0476

Description: The attempt to establish an ESTAEX recovery environment was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ESTAEX reason code.

R14: Contains the ESTAEX return code.

Detecting Module: ARSYSPIN

047A

Description: An unexpected return code was received from the ARS3QMGR service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARSYSPIN

047B

Description: An unexpected return code was received from the TCBTOKEN service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the TCBTOKEN plist.

R14: Contains the TCBTOKEN service return code.

Detecting Module: ARSYSPIN

047D

Description: An unexpected return code was received from an IEANTxx service. At the time of ABEND registers are loaded as follows:

R0: Indicates which service was being requested:

4: IEANTCR

8: IEANTRT

C: IEANTDL

R14: Contains the IEANTxx return code.

Detecting Module: ARSYSPIN

047E

Description: A subtask did not terminate when requested to do so. The subtask is being forcibly terminated using CALLRTM.

Detecting Module: ARSYSPIN

047F

Description: During subsystem shutdown, not all subtasks could be terminated.

Detecting Module: ARSYSPIN

0480

Description: An IEALSQRY request was unsuccessful. At the time of ABEND registers are loaded as follows:

R14: Contains the IEALSQRY return code.

Detecting Module: ARSYSPIN

0490

Description: A request has been made to interact with the JES3 subsystem, however, the current unit of work is not executing under the control of JES3.

Detecting Module: ARSYSSI

0491

Description: An unexpected return code was received from the MVS subsystem request router. At the time of ABEND registers are loaded as follows:

R0: Contains the IEFSSREQ return code.

R14: Contains the address of the ARSYCBSI structure.

Detecting Module: ARSYSSI

0492

Description: An unexpected return code was received from the MVS lock manager when attempting to obtain a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager return code.

Detecting Module: ARSYSSI

0493

Description: An unexpected return code was received from the MVS lock manager when attempting to release a lock. At the time of ABEND registers are loaded as follows:

R0: Indicates which lock was being manipulated.

1: LOCAL

2: CMS

R14: Contains the lock manager return code.

Detecting Module: ARSYSSI

0494

Description: An unexpected return code was received from JES in response to a SAPI request. At the time of ABEND registers are loaded as follows:

R0: Contains the SSOBRETN value.

R14: Contains the address of the ARSYCBSI structure.

Detecting Module: ARSYSSI

0496

Description: The attempt to establish an ESTAEX recovery environment was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ESTAEX reason code.

R14: Contains the ESTAEX return code.

Detecting Module: ARSYSSI

049A

Description: An unexpected return code was received from the ARS3QMGR service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ARS3QMP structure.

R14: Contains the ARS3QMGR service return code.

Detecting Module: ARSYSSI

049B

Description: An unexpected return code was received from the TCBTOKEN service. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the TCBTOKEN plist.

049C • 04AC

R14: Contains the TCBTOKEN service return code.

Detecting Module: ARSYSSI

049C

Description: An unexpected return code was received from the DSPSERV service when attempting to release data space pages. At the time of ABEND registers are loaded as follows:

R0: Contains the DSPSERV reason code.

R2: Contains the DSPSERV interface plist.

R14: Contains the DSPSERV return code.

Detecting Module: ARSYSSI

049D

Description: An unexpected return code was received from ATTACH. At the time of ABEND registers are loaded as follows:

R0: Contains the address of the ATTACH plist.

R14: Contains the ATTACH service return code.

Detecting Module: ARSYSSI

04A9

Description: A request to deallocate a transfer data set was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the DYNALLOC request block S99RSC field.

R14: Contains the S99RB address.

Detecting Module: ARSYSSI

04AA

Description: An attempt to OPEN a transfer file DCB was unsuccessful. At the time of ABEND registers are loaded as follows:

R14: Contains the DCB address.

Detecting Module: ARSYSSI

04AB

Description: A request to dynamically allocate (DYNALLOC) a transfer data set was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the DYNALLOC request block S99RSC field.

R14: Contains the S99RB address.

Detecting Module: ARSYSSI

04AC

Description: A request to deallocate a spool file was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the DYNALLOC request block S99RSC field.

R14: Contains the S99RB address.

Detecting Module: ARSYSSI

04AD

Description: An attempt to close a spool file ACB was unsuccessful. At the time of ABEND registers are loaded as follows:

R14: Contains the ACB address.

Detecting Module: ARSYSSI

04AE

Description: An attempt to open a spool file ACB was unsuccessful. At the time of ABEND registers are loaded as follows:

R14: Contains the ACB address.

Detecting Module: ARSYSSI

04AF

Description: A request to dynamically allocate (DYNALLOC) a spool file was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the DYNALLOC request block S99RSC field.

R14: Contains the S99RB address.

Detecting Module: ARSYSSI

04B0

Description: An IEALSQRY request was unsuccessful. At the time of ABEND registers are loaded as follows:

R14: Contains the IEALSQRY return code.

Detecting Module: ARSYSSI

04B3

Description: The attempt to create an access list entry for the capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ALESERV reason code.

R2: Points to the ALESERV interface plist.

R14: Contains the ALESERV return code.

Detecting Module: ARSYSSI

04B5

Description: The attempt to delete the access list entry for the capture data space was unsuccessful. At the time of ABEND registers are loaded as follows:

R0: Contains the ALESERV reason code.

R2: Points to the ALESERV interface plist.

R14: Contains the ALESERV return code.

Detecting Module: ARSYSSI

04D0

04D0

Description: An invalid user exit interface driver action code was specified. At the time of ABEND registers are loaded as follows:

R0: Contains the ARSYUXIP address.

Detecting Module: ARSYUXI

Chapter 7. JES spool data capture facility messages

The following messages are associated with the JES spool data capture facility (ARSYSPIN).

ARSY0100E Unable to open <filename> (errno: <integer> (x'<hexdigits>'))

Explanation: The attempt to open the specified file was unsuccessful. The C runtime errno value (shown in decimal and hexadecimal) is described in *OS/390 C++ Run-Time Library Reference*, SC28-1663.

The most likely cause of the failure is a missing DD statement.

Module: ARSYXPX

ARSY0101E fldata() failed for <filename> (RC: <integer> (x'<hexdigits>'))

Explanation: The attempt to retrieve descriptive information for the specified file was unsuccessful. See *OS/390 C++ Run-Time Library Reference*, SC28-1663 for a description of the fldata() function return values.

Module: ARSYXPX

ARSY0102E Error on fread() of file <filename>

Explanation: An attempt to read a logical record from the specified file was unsuccessful. This message is usually followed by a message beginning with EDC, which further describes the error.

Module: ARSYXPX

ARSY0103I <<options statement text>>

Explanation: This message echoes the text of a given control statement.

Module: ARSYXPX

ARSY0104E Syntax error - keyword delimiter not found

Explanation: The equal sign (=) delimiter that separates a keyword from its operand was not found on the current control statement. (That is, the statement identified by the most recent preceding ARSY0103I message.)

Module: ARSYXPX

ARSY0105E Unrecognized keyword: <string>

Explanation: The current control statement keyword (that is, the text to the left of the equal sign) is not valid.

Module: ARSYXPX

ARSY0106E Keyword operand not supplied

Explanation: No text was found following the keyword delimiter on the current control statement.

Module: ARSYXPX

ARSY0107E Operand rightside delimiter not found

Explanation: The operand for the current control statement did not contain the expected delimiter on the right. For example, if the operand for the current control statement keyword is expected to be contained within parentheses, the right parenthesis character was not found. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the expected operand characteristics of a given keyword.

Module: ARSYXPX

ARSY0108E Operand leftside delimiter not found

Explanation: The operand for the current control statement did not contain the expected delimiter on the left. For example, if the operand for the current control statement keyword is expected to be contained within parentheses, the left parenthesis character was not found. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the expected operand characteristics of a given keyword.

Module: ARSYPPX

ARSY0109E Invalid operand length

Explanation: The supplied operand for the current control statement keyword is either too short or too long. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the expected operand characteristics of a given keyword.

Module: ARSYPPX

ARSY0110E True/False operand expected

Explanation: A boolean operand is expected for the current control statement keyword. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the valid boolean operand values.

Module: ARSYPPX

ARSY0111E Operand does not consist of all decimal digits

Explanation: The operand for the current control statement keyword is expected to consist solely of a string of decimal digits.

Module: ARSYPPX

ARSY0112E Invalid suboperand length

Explanation: When processing an operand that can be specified as a parenthesized list of suboperands, one or more of these suboperands is either too short or too long. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the expected operand characteristics of a given keyword.

Module: ARSYPPX

ARSY0113I Control statements processing completed - RC= <integer> (x'<hexdigits>')

Explanation: Processing of the control statement stream has completed. If the RC value is non-zero, then at least one syntax error has been detected and ARSYSPIN terminates its execution.

Module: ARSYPPX

ARSY0114E Unrecognized subparameter: <string>

Explanation: The operand or suboperand for the current control statement keyword is expected to be a member of a set of specific character strings. For example, the ERROPT keyword expects its operand to be either ABEND, ACCEPT, or HOLD. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the allowable operand values for a given control statement keyword.

Module: ARSYPPX

ARSY0115E Improper number of subparameters

Explanation: An improper number of subparameters (either too many or too few) was specified for the current control statement. See the ARSYSPIN program reference in the *IBM DB2 Content Manager OnDemand for z/OS: Administration Guide* for the expected operand characteristics of a given keyword.

Module: ARSYPPX

Part 4. ACIF messages

Chapter 8. Introduction

ACIF prints a message list at the end of each compilation. A return code of 0 means that ACIF completed processing without any errors. ACIF supports the standard return codes.

Notes:

1. ACIF messages contain instructions for the PSF or Infoprint® Manager system programmer. Please show your system programmer these messages, because they might not be contained in the PSF or Infoprint Manager messages publications.
2. AIX and Windows users can invoke the PSF MSG command on the server to view or print messages online.

Message Identifiers

ACIF issues the same messages for AIX, HP-UX, OS/390, Solaris, Windows, and z/OS. However, the message identifiers in AIX, HP-UX, Solaris, and Windows differ from those in OS/390 and z/OS:

- In AIX, HP-UX, Solaris, and Windows, the format of the message identifier is **0425-*nnn***, where:
 - 0425-** Identifies a message in AIX, HP-UX, Solaris, or Windows.
 - nnn* Specifies the three-digit message number.
- In OS/390 and z/OS, the format of the message identifier is **APK*nnmt***, where:
 - APK** Identifies a message in OS/390 and z/OS.
 - nnn* Specifies the three-digit message number.
 - t* Specifies an error condition:

Error Type	Description
S	Severe error that causes ACIF to terminate processing the current print file. The exact method of termination can vary. For certain severe errors, ACIF abends with a return code and reason code. This is generally the case when some system service fails. In other cases, ACIF terminates with the appropriate error messages written to the message file specified when you invoked ACIF. Most error conditions detected by ACIF fall into the severe category.
W	Warning error that ACIF issues when the fidelity of the document (assuming it is reprinted) might be in question.
I	Informational error that ACIF issues when it processes a print file to let the operator or application programmer determine if the correct processing parameters have been specified. These messages can assist in providing an audit trail.

The three-digit message number, *nnn*, is the same in all environments (for example, 0425-031 in AIX, HP-UX, Solaris, and Windows or APK031I in OS/390 and z/OS).

In this publication, the ACIF messages and explanations are listed according to the OS/390 and z/OS message identifiers (for example, APK031I) because AIX, HP-UX, Solaris, and Windows users are more likely to use the PSF MSG command to view the messages online.

The terms used in the messages and explanations are those used for OS/390 and z/OS, even though the messages and explanations also apply to AIX, HP-UX, Solaris, and Windows. The following list shows some of the terms used in the messages in this publication and what those terms refer to in AIX, HP-UX, Solaris, and Windows:

Term	AIX, HP-UX, Solaris, Windows
print data set	input file
data set	input file
data stream	file
PSF	PSF or Infoprint Manager
record	data set

Multiple Message Scenarios

ACIF can issue more than one error message as a result of a single error condition. These situations are limited to the area of parsing the structured field (for example, determining the length and type of the structured field). Some possible scenarios include these message numbers:

- 105, 108, 109, 103
- 105, 108, 110, 103
- 106, 108, 109, 103
- 106, 108, 110, 103

Any subset of the listed message numbers is also possible, provided you start with the first one (for example, 105, 108, 109 or 105, 108, or 105, 110, and so on). The first message accurately describes the error condition; any subsequent messages provide additional information. Additional error messages might not always be accurate.

Message number 101 can occur after many error conditions, because ACIF attempts to locate the end of the resource containing the error as part of its recovery procedure.

Chapter 9. ACIF messages

APK031I AN INLINE MEDIUM MAP WAS ENCOUNTERED IN THE DATASET, BUT INLINE MEDIUM MAPS ARE NOT SUPPORTED.

Explanation: A Begin Medium Map (BMM) structured field was encountered in the data stream after resources for the data set had been processed. ACIF does not support inline medium maps between pages. The data set might have been created by a program that creates inline medium maps, but a data set that contains inline medium maps cannot be printed.

System action: ACIF stops processing the print data set.

User response: Correct the error and resubmit the request.

System programmer response: See the I/O error message to determine an appropriate action.

APK102S AN IM IMAGE OBJECT CONTAINS INVALID OR INCORRECT DATA. THE IM IMAGE OBJECT CANNOT BE CONVERTED TO AN IO IMAGE OBJECT.

Explanation: This message is issued when ACIF converts an IM image object to an IO image object and one of the image size values is zero. For a simple IM image object, this message is issued if either the XSize or YSize parameter value of the IID structured field is zero. For a complex IM image object, this message is issued if one of the XCSize, YCSize, XFilSize, or YFilSize parameter values of the ICP structured field is zero.

System action: ACIF stops processing the input file.

User response: Correct the error and resubmit the request.

System programmer response: If an IBM licensed program was used to create the structured fields for the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK103S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: *structuredfield1* STRUCTURED FIELD WAS FOUND WHERE *structuredfield2* STRUCTURED FIELD WAS EXPECTED.

Explanation: *structuredfield1* is incorrect at the present point in the input data stream or resource. The structured-field type expected at this point is *structuredfield2*. Either the required structured field is missing or out of sequence, or a line-data record is in the wrong place.

Subsequent error messages give additional information about the processing environment when the error occurred.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information on the correct format of the referenced structured field. If the structured fields are in the correct order, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK104S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: *structuredfield* STRUCTURED FIELD IS NOT ALLOWED OR FORMS AN INVALID SEQUENCE.

Explanation: The structured field identified in this message is either out of sequence or not valid in an object. The record might be line data. If inline resources are used with data-set header pages, multiple resource groups might be present.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information on the correct format of the referenced structured field. If the structured fields are in the correct order, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK105I THE ERROR REPORTED ABOVE OCCURRED IN LOGICAL RECORD NUMBER *recordnumber*,
WHOSE SEQUENCE NUMBER IS *sequencenumber*.

Explanation: This message is given in addition to the message that describes the error. It identifies the specific input record that is not valid. The object (if any) that contains the not valid record is identified in either message APK108I or message APK109I.

The record number specified is relative to the user data stream and is different for multiple transmissions of the data set. However, the record number might be inaccurate if the data set is using a page definition that performs conditional processing.

The sequence number might print as NOT AVAILABLE in the message. For example, a line-data record does not have a sequence number.

System action: The disposition of the file depends upon the error described in the accompanying messages.

User response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

System programmer response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

APK106I DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: NAME *tokenname* **IN**
begintypestructuredfield **DOES NOT MATCH NAME** *tokenname* **IN** *endtypestructuredfield*.

Explanation: The TOKEN NAME parameters in the Begin-type and End-type structured fields identified in this message do not match. Structured fields might be out of sequence in the input data stream.

When token names are specified, the TOKEN NAME parameters in the associated Begin-type and End-type structured fields must match.

System action: Processing continues, and ACIF issues a message identifying the position of the structured field in the input data stream or resource. ACIF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK108I THE ERROR REPORTED ABOVE WAS DETECTED WITHIN OBJECT TYPE *objecttype* **WITH**
TOKEN NAME *tokenname*.

Explanation: This message is issued in addition to the message that describes the error. The objects that were being processed are listed to identify the location of the error in the input data stream or in a resource.

System action: The disposition of the file depends on the error described in the accompanying messages.

User response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

System programmer response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

APK109I THE ERROR REPORTED ABOVE WAS CAUSED BY THE RESOURCE *resourcename* IN AN EXTERNAL LIBRARY OR AN INLINE RESOURCE.

Explanation: This message is issued in addition to the message that describes the error. The object identified in the accompanying message was either a resource being processed from an external library or an inline resource. Error message APK108I identifies the member as a page definition, form definition, font, code page, font character set, page segment, or an overlay. The combined information from these two messages can be used to identify the library defined to ACIF on the *typeLIB* parameter, where *type* is the type of resource, such as OVLY for overlay. In the case of an inline form definition or page definition, the resource is not a member of an external library but is included at the beginning of the user's data set.

System action: The disposition of the file depends on the error described in the accompanying messages.

User response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

System programmer response: See the specific error conditions described in the accompanying messages to determine an appropriate response.

APK110S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE LENGTH SPECIFIED IN THE SELF-DEFINING PARAMETER *identifier* OF THE STRUCTURED FIELD *structuredfield* IS INCORRECT.

Explanation: Insufficient data was present in the structured field for the length given in the self-defining parameter or triplet. If the self-defining parameter or triplet ID is 0, the length of the self-defining parameter or triplet might have been 0 or 1, which means that no ID was available for use in this message.

System action: If the error occurred in a structured field in a page or resource, PSF attempts to find the end of the page or resource. If PSF can find the end of the page, it prints any data accumulated for the current page. If PSF cannot find the end of the page, the data set is terminated. If the error occurred in a form definition, a page definition, or non-presentation object container resource (for example, COMSETUP), the form definition, page definition, or non-presentation object container resource is not used, and one of these occurs:

- PSF is not started for any of these:
 - The default form definition
 - A form definition specified for printing messages or separator pages
 - A page definition specified for printing messages or separator pages
- PSF cannot begin printing the data set for a form definition or non-presentation object container resource (or page definition if printing line date) specified on a user's OUTPUT JCL statement; PSF tries to print the next data set. PSF issues a message identifying the position of the structured field in the data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the object, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK112S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: RECORD CONTAINS NO DATA, EVEN THOUGH AT LEAST A CONTROL CHARACTER IS EXPECTED.

Explanation: ACIF read an input record without a control character following the record descriptor word (RDW). A minimum of 1 byte of control-character data is needed to make the record valid.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or the resource, correct the error and

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resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK113S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: STRUCTURED FIELD LENGTH IS LESS THAN THE INTRODUCER LENGTH.

Explanation: A structured field must have at least 8 bytes of data, the minimum length necessary for a structured-field introducer. The Extension Indicator flag in the structured-field introducer indicates whether the minimum length of the structured field can be greater than 8 bytes.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK114S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: RDW LENGTH DOES NOT AGREE WITH LENGTH IN STRUCTURED FIELD INTRODUCER.

Explanation: All structured fields are preceded by a record descriptor word (RDW) that specifies the length of that record, including the RDW. The record length in the RDW for the current record is less than the sum of the LENGTH parameter in the structured-field introducer and the number of bytes for both the RDW (4 bytes) and the control character (1 byte).

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or resource, ensure that the RDW for the structured field that is not valid contains a valid record length, and resubmit the print request. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK116S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: PADDING LENGTH OR EXTENSION LENGTH IS INCORRECT FOR STRUCTURED FIELD.

Explanation: The length of padding or extension specified in the LENGTH or EXTENSION parameter in the structured-field introducer indicates more data than was found in the structured field.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or resource, ensure that the Extension Indicator flag is set correctly and that the LENGTH parameter in the structured-field introducer specifies the actual length of padding for the structured field that is not valid. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured-field introducer. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK117S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: LENGTH INDICATED IN THE STRUCTURED FIELD INTRODUCER IS INCORRECT FOR *structuredfield* STRUCTURED FIELD.

Explanation: The length indicated by the structured-field introducer specifies an incorrect number of bytes for the structured field identified in this message. This error is caused by one of these :

- The Extension or Padding Indicator flags in the structured-field introducer are set incorrectly.
- One or more of the parameters in the structured field that is not valid contain too many bytes of data.

In some cases, the length of a structured field is specified in a parameter located in another structured field. For example, the length of Fixed Data Text (FDX) structured field is specified in the SIZE parameter of the Fixed Data Size (FDS) structured field.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or resource, ensure that the LENGTH parameter in the structured-field introducer specifies a valid length for the structured field. Also ensure that the number of bytes in the structured-field parameter matches the length specified in the structured-field introducer. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured-field introducer.

If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK118W UNSUPPORTED STRUCTURED FIELD *code* WAS IGNORED, AND, IF IT BEGAN AN OBJECT, THE OBJECT WAS IGNORED.

Explanation: The IDENTIFIER parameter in the structured-field introducer for the incorrect structured field specified a structured-field code that was not recognized as a valid structured-field code.

System action: If the structured field began an object, the object was ignored. Otherwise, only the structured field was ignored, and processing of the rest of the data set continues as usual.

ACIF issues a message identifying the position of the structured field in the input data stream or containing resource. ACIF issues additional messages identifying the processing environment when the error was found.

User response: If the printed output was unacceptable, and you created the structured fields for the print data set or resource, give the incorrect structured field a valid code for its structured-field type. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for a list of valid structured-field types.

If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured field for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK120S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: *structuredfield1* STRUCTURED FIELD CONTAINS AN INCORRECT VALUE FOR THE SIZE OF THE *structuredfield2* REPEATING GROUP.

Explanation: *Structuredfield1* specifies the length of each repeating group found in *structuredfield2*. Either the value specified in *structuredfield1* for the size of the repeating group is too small, or the actual length of the repeating-group data is not a multiple of the size specified.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

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User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK130S DATA IN AN INPUT RECORD IS INVALID: *structuredfield* STRUCTURED FIELD IS NOT ACCEPTABLE AT THE START OF A DATA STREAM.

Explanation: The structured-field type identified in this message is not valid at the start of the data stream. Subsequent error messages give additional information about the processing environment when the error occurred.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK135I DATA IN A FORMDEF RESOURCE IS INVALID: DUPLICATE OVERLAY LOCAL IDENTIFIER WAS FOUND IN THE *structuredfield* STRUCTURED FIELD.

Explanation: The same local identifier was found assigned to more than one OVERLAY LOCAL IDENTIFIER parameter in the Map Medium Overlay (MMO) or Map Page Overlay (MPO) structured field repeating groups. The MMO structured field is contained in the form definition. The MPO is contained in the page definition or the print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK138S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: OVERLAY LOCAL IDENTIFIER VALUE IS NOT ACCEPTABLE IN THE *structuredfield* STRUCTURED FIELD.

Explanation: An incorrect OVERLAY LOCAL IDENTIFIER was encountered in the Map Medium Overlay (MMO), Map Page Overlay (MPO), or Medium Modification Control (MMC) structured field repeating groups. The MMO and MMC structured fields are contained in the form definition. The MPO is contained in the page definition or the print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK139S DATA IN A FORMDEF RESOURCE IS INVALID: SUPPRESSION LOCAL IDENTIFIER VALUE IS NOT ACCEPTABLE IN THE MSU STRUCTURED FIELD.

Explanation: The SUPPRESSION LOCAL IDENTIFIER parameter in the Map Suppression (MSU) structured field is not valid. The MSU structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK140S DATA IN A FORMDEF RESOURCE IS INVALID: TWO MMC STRUCTURED FIELDS ARE DEFINED WITH THE SAME IDENTIFIER, *identifier*.

Explanation: Two Medium Modification Control (MMC) structured fields in a single form environment group have the same value in their MEDIUM MODIFICATION CONTROL IDENTIFIER parameters. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK141S DATA IN A FORMDEF RESOURCE IS INVALID: MEDIUM SUPPRESSION TOKEN NAME IS REPEATED IN MSU STRUCTURED FIELD.

Explanation: The TOKEN NAME parameters in two repeating groups in a Map Suppression (MSU) structured field have the same value. The MSU structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK143S DATA IN A FORMDEF RESOURCE IS INVALID: COPY SPECIFICATIONS IN THE MCC STRUCTURED FIELD ARE NOT ACCEPTABLE.

Explanation: Either a gap or an overlap exists in the Starting and Stopping Copy Numbers, or the maximum number of copies for one set of modifications has been exceeded. The COPY NUMBER parameters are specified in the Medium Copy Count (MCC) structured field. The MCC structured field is contained in the form definition.

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System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, ensure that the Starting Copy Number and Stopping Copy Number parameters in a repeating group in an MCC structured field have valid values that correlate. Also, verify that fewer than 255 copies have been requested. If 255 or more copies with the same modifications are needed, define two or more MCC structured fields. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information on the MCC structured field. If the MCC has no errors, the error might be an ACIF logic error.

If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK145S DATA IN A FORMDEF RESOURCE IS INVALID: THE FORMS-FLASH VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: The Medium Modification Control (MMC) structured field contains an incorrect value for the repeating group that contains forms-flash modification. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK146S DATA IN A FORMDEF RESOURCE IS INVALID: MORE THAN 8 OVERLAYS ARE SPECIFIED IN MMC STRUCTURED FIELD, ID *identifier*.

Explanation: In a Medium Modification Control (MMC) structured field, the maximum number of overlays allowed in one set of modifications has been exceeded. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK147S DATA IN A FORMDEF RESOURCE IS INVALID: MORE THAN 8 SUPPRESSIONS ARE SPECIFIED IN MMC STRUCTURED FIELD, ID *identifier*.

Explanation: In a Medium Modification Control (MMC) structured field, the maximum number of suppressions allowed in one set of modifications has been exceeded. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK152S DATA IN A FORMDEF RESOURCE IS INVALID: MMC STRUCTURED FIELD WAS NOT FOUND TO COMPARE WITH IDENTIFIER *identifier* IN MCC STRUCTURED FIELD.

Explanation: The MEDIUM MODIFICATION CONTROL IDENTIFIER parameter in the Medium Copy Count (MCC) structured field contains a value that did not match the MEDIUM MODIFICATION CONTROL IDENTIFIER parameter in any Medium Modification Control (MMC) structured field in the form environment group. The MCC and MMC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MCC or MMC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC and MMC have no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK154S DATA IN A FORMDEF RESOURCE IS INVALID: OVERLAY LOCAL IDENTIFIER IN MMC STRUCTURED FIELD, ID *identifier*, WAS NOT FOUND IN MMO STRUCTURED FIELD.

Explanation: The overlay modification in the Medium Modification Control (MMC) structured field was not present in the Map Medium Overlay (MMO) structured field. The MMC and MMO structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK155S DATA IN A FORMDEF RESOURCE IS INVALID: TOO MANY COPY CONTROLS WERE SPECIFIED FOR THE CURRENT FORM ENVIRONMENT GROUP.

Explanation: For a given physical page, up to 256 bytes of data can be specified for the printer command that describes the copies and modifications to be made. The current form environment group causes the data for the command to exceed 256 bytes. ACIF builds the printer command from data contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, either reduce the number of copy groups in the Medium Copy Count (MCC) structured field or reduce the number of modifications specified in the Medium Modification Control (MMC) structured field. Otherwise, split these functions between two or more form environment groups in two or more medium maps. Then, include in your input two or more identical copies of the same page that each select an appropriate copy group by use of the Invoke Medium Map (IMM) structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the MMC and MMO structured fields.

If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your

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system's diagnosis reference for assistance in determining the source of the problem.

APK156S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: NULL NAME IS NOT ACCEPTABLE IN *structuredfield* STRUCTURED FIELD.

Explanation: All Begin-type and End-type structured fields can include an 8-byte token name. A null token name is not allowed for the listed structured field.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK157S MISMATCH BETWEEN PRINT DATA SET AND FORMDEF RESOURCE: MEDIUM MAP *mediummap* SPECIFIED IN IMM STRUCTURED FIELD WAS NOT FOUND IN FORMDEF *formdefinition*.

Explanation: The TOKEN NAME parameter in the Invoke Medium Map (IMM) structured field specifies the token name used to locate a medium map in the form definition. This parameter must match the TOKEN NAME parameter specified in bytes 0-7 in one of the Begin Medium Map (BMM) structured fields in the current form definition. The IMM structured field is contained in the print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: Ensure that the correct form definition was specified. If it was, and if you added the Invoke Medium Map structured field to the print data set, change the TOKEN NAME in the IMM structured field and run ACIF. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the BMM and IMM structured fields. If the correct form definition was specified, and if you used a program to embed the IMM structured field in the print data set, verify that the copy group name that you gave the program is valid for the form definition you have specified.

System programmer response: No response is necessary.

APK158I PAGEDEF PARAMETER MUST BE SPECIFIED IN ORDER TO PRINT THIS DATA SET. DETERMINE THE PERMISSIBLE VALUES USED IN YOUR INSTALLATION FOR THE PAGEDEF PARAMETER.

Explanation: The current data set contains line data, XML data, or structured fields that do not form a MO:DCA-P page. This kind of data set cannot be printed without an active page definition. No PAGEDEF keyword was provided on the OUTPUT JCL statements for this job, and no default page definition was defined in the PSF initialization procedure.

This error can also occur if MO:DCA-P data in the print data set contains a record without the required X'5A' control character preceding the structured-field introducer. The missing control character makes the record appear to be line data. A page definition is necessary to process line data. Therefore, PSF detects an error.

System action: ACIF stops processing the print data set.

User response: If you intended to print line data or XML data, do one of these to specify a page definition:

- Code the PAGEDEF parameter on the OUTPUT JCL statement. For information about how to code the OUTPUT statement, refer to *PSF for OS/390 and z/OS: User's Guide*.
- Code the FCB parameter on the DD JCL statement.
- Request that your system programmer code a default page definition name in the PSF initialization procedure.

If you did not intend to print line data or XML data, and you used a program to create the structured fields for the print data set, ensure that all MO:DCA-P data records begin with the X'5A' control character and then contact your system programmer.

System programmer response: No response is necessary.

APK159S THE END OF THE DATA STREAM WAS ENCOUNTERED BEFORE THE LOGICAL END OF AN OBJECT WITHIN THE DATA STREAM.

Explanation: ACIF was processing an object that began with a Begin-type structured field. However, the input data stream ended before a corresponding End-type structured field was found. The message can also occur if the system operator prematurely interrupts or ends a print request by issuing an INTERRUPT, RESTART, or CANCEL Job Entry Subsystem (JES) command.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK162S MISMATCH BETWEEN PRINT DATA SET AND PAGEDEF RESOURCE: DATA MAP *datamap* SPECIFIED IN IDM STRUCTURED FIELD WAS NOT FOUND IN PAGEDEF *pagedefinition*.

Explanation: The TOKEN NAME parameter in the Invoke Data Map (IDM) structured field specifies the token name used to locate a data map in the page definition. The name must match the value specified in the TOKEN NAME parameter in the Begin Data Map (BDM) structured field in the current page definition. The IDM structured field is contained in the print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: Ensure that the correct page definition was specified. If it was, and if you added the Invoke Data Map structured field to the print data set, change the TOKEN NAME in the IDM structured field and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the BDM and IDM structured fields. If the correct page definition was specified, and if you used a program to embed the IDM structured field in the print data set, verify that the data map name that you supplied the program is one that is valid for the page definition you have specified.

System programmer response: No response is necessary.

APK163S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE SCALE FACTOR VALUE IN THE IOC STRUCTURED FIELD IS NOT ACCEPTABLE.

Explanation: The IMAGE BLOCK SCALE FACTOR parameter in the Image Output Control (IOC) structured field is not valid. The image block or image cell might be contained in an overlay, a page segment, or a composed-text print data set. It might also be embedded in a data set containing line data, using a Begin Image (BIM) structured field.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the resource or print data set containing the image, correct the error in the referenced structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the resource or print data set containing the image, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK166S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: AN ENTRY IN A MCF STRUCTURED FIELD CONTAINS AMBIGUOUS IDENTIFICATION.

Explanation: A font in the Map Coded Font (MCF) structured field can be identified with a CODED FONT NAME parameter, with a combination of the FONT CHARACTER SET NAME parameter and the CODE PAGE NAME parameter, or with a CODED FONT parameter (also known as a GRID parameter). One of the repeating groups in an MCF structured field specified more than one of these ways to specify a font or specified a CODED FONT (GRID) and a section number other than 0. The MCF structured field is in the MO:DCA-P data, an overlay, or a page definition.

System action: If the error is contained in a page definition, PSF terminates processing of the data set and continues processing with the next data set. Otherwise, PSF terminates the page or overlay containing the structured field in error. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. PSF issues a message identifying the position of the structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an PSF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK167S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: AN ENTRY IN AN MCF STRUCTURED FIELD CONTAINS INCOMPLETE IDENTIFICATION.

Explanation: One of the repeating groups in a Map Coded Font (MCF) structured field does not contain enough information to identify a coded font. Two ways to identify a font in the Map Coded Font (MCF) structured field are either with a CODED FONT NAME parameter or with a combination of the FONT CHARACTER SET NAME parameter and the CODE PAGE NAME parameter. An entry contains only a FONT CHARACTER SET NAME parameter or a CODE PAGE NAME parameter. The MCF structured field is contained in a composed-text print data set, an overlay, or a page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK169S INSUFFICIENT VIRTUAL STORAGE PREVENTED FURTHER PROCESSING. INCREASE REGION SIZE, AND RESUBMIT THE PRINT REQUEST.

Explanation: Insufficient storage is available in the ACIF address space to contain the internal control block needed to read an object.

System action: ACIF stops processing the print data set.

User response: Inform your system programmer that this error occurred.

System programmer response: The value of the REGION parameter used for the ACIF job should be increased.

APK170S DATA IN A FORMDEF RESOURCE IS INVALID: THE SIMPLEX/DUPLEX VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: In the Medium Modification Control (MMC) structured field with the specified identifier, either the simplex or the duplex keyword-parameter value is not valid. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK171S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: FONT LOCAL IDENTIFIER VALUE IS NOT ACCEPTABLE IN THE *structuredfield* STRUCTURED FIELD.

Explanation: The Map Coded Font (MCF) structured field consists of repeating groups. In one of the groups, the value of the CODED FONT LOCAL IDENTIFIER parameter for the font (section) being mapped is not valid. The MCF structured field is contained in a composed-text print data set, an overlay, or a page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK172S DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INCLUDES BOTH NORMAL AND TUMBLE DUPLEX.

Explanation: The Medium Copy Count (MCC) structured field refers to one or more Medium Modification Control (MMC) structured fields, which include requests for both normal duplex and tumble duplex. You cannot request both normal duplex and tumble duplex within the same medium map. The MCC and MMC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MCC or MMC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC and MMC have no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK178S DATA IN A FORMDEF RESOURCE IS INVALID: THE MCC STRUCTURED FIELD HAS AN ODD NUMBER OF COPY GROUPS, BUT SPECIFIES DUPLEX.

Explanation: The Medium Copy Count (MCC) structured field specifies an odd number of copy groups, but the copy group modifications specified in the Medium Modification Control (MMC) structured field include duplex,

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which requires an even number of copy groups. The MCC and MMC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MCC or MMC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC and MMC have no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK179S DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INCLUDES BOTH SIMPLEX AND DUPLEX.

Explanation: The Medium Copy Count (MCC) structured field refers to two or more Medium Modification Control (MMC) structured fields, which include requests for both simplex and duplex printing. You cannot specify both simplex and duplex printing within the same medium map. The MCC and MMC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MCC or MMC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC and MMC have no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK181S DATA IN A FORMDEF RESOURCE IS INVALID: UNEQUAL COPY COUNTS FOR DUPLEX SHEETS ARE SPECIFIED IN THE MCC STRUCTURED FIELD.

Explanation: The set of modifications referred to by the Medium Copy Count (MCC) structured field includes duplexing, but the numbers of copies in two corresponding repeating groups are not equal. The repeating groups are defined in the Medium Map Control structured field (MMC). The MCC and MMC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MCC or MMC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC and MMC have no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK182S DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INCLUDES CONFLICTING PRESENTATION SYSTEM SETUP ID VALUES.

Explanation: Multiple MMC structured fields referenced by the MCC structured field do not use the exact same set of Presentation System Setup ID values.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the form definition, correct the MCC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about

the structured field. If the MCC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK183S DATA IN A FORMDEF RESOURCE IS INVALID: THE MODIFICATIONS SPECIFIED IN THE MMC STRUCTURED FIELD *structuredfield* INCLUDE UNPAIRED *keyword1* AND *keyword2* KEYWORDS.

Explanation: The keywords must be paired in the Medium Modification Control (MMC) structured field. This form definition has one or the other keyword but not both, or the keyword pairs are not adjacent. The MMC structured field is contained in the form definition.

System action: The form definition containing the error is not used, and one of these occurs:

- PSF is not started if the form definition containing the error is defined in the PSF startup procedure. The form definition resources defined in the PSF startup procedure are for separator pages, for the message data set, and for the default form definition resource for user print data sets.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set. PSF issues a message identifying the position of the structured field in the form definition. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK188S THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD SELECTS MORE THAN ONE INPUT SOURCE, AND THE DEVICE DOES NOT SUPPORT MORE THAN ONE INPUT SOURCE.

Explanation: The Medium Copy Count (MCC) structured field refers to one or more Medium Modification Control (MMC) structured fields, which include requests for more than one input source or media type local ID. You cannot specify more than one input source or media type local ID for multiple copy groups, because the printer you are using does not support it. The MCC and MMC structured fields are in the form definition.

System action: The form definition containing the error is not used, and one of these occurs:

- If the error is in the default form definition, or a form definition specified for printing messages or separator pages, PSF is not started.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set. PSF issues a message identifying the position of the structured field in the form definition. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: Request that the job be printed on a printer that supports the specification of input source in the Load Copy Control (LCC) command. If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be a PSF or printer logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK190S DATA IN A FORMDEF RESOURCE IS INVALID: THE BIN-SELECTION VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: In the Medium Modification Control (MMC) structured field with the identifier specified in the message text, the bin-selection parameter value was not valid. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK191S DATA IN A FORMDEF RESOURCE IS INVALID: THE SUPPRESSION LOCAL IDENTIFIER VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: The MEDIUM MODIFICATION CONTROL IDENTIFIER parameter in a Medium Modification Control (MMC) structured field is not valid. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK209S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: *structuredfield1* STRUCTURED FIELD WAS FOUND WHERE *structuredfield2* STRUCTURED FIELD WAS EXPECTED.

Explanation: *structuredfield1* is incorrect at the present point in the input data stream or resource. The structured-field type expected at this point is *structuredfield2*. Either the required structured field is missing or out of sequence, or a line-data record is in the wrong place.

Subsequent error messages give additional information about the processing environment when the error occurred.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information on the correct format of the referenced structured field. If the structured fields are in the correct order, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK210S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: A REQUIRED TRIPLET OR SELF-DEFINING PARAMETER WITH ID *identifier* WAS MISSING FROM A *structuredfield* STRUCTURED FIELD.

Explanation: The triplet or self-defining parameter specified in the message was not found in the structured field indicated. This is a required triplet or self-defining parameter.

System action: If the structured field is included in an object container, bar code, graphics, or image object embedded in a page or overlay, PSF ignores the object and continues processing the current page or overlay.

If the structured field is in a resource included by a page or overlay, PSF terminates the page or overlay. PSF attempts to locate the end of the current page and resumes processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. For non-presentation object containers, PSF stops printing the data set.

If the error is contained in a page definition or form definition, PSF terminates processing of the data set and continues processing with the next data set. PSF issues a message that identifies the position structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the image object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK212S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE UNIT BASE PARAMETER IN THE *structuredfield* STRUCTURED FIELD IS INVALID.

Explanation: An incorrect Unit Base value was encountered in the structured field identified in this message. The structured field is contained in the Object Environment Group of an image object. The image object might be contained in a composed-text print data set, an overlay, or a page segment; or it might be embedded in a data set containing line data.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the image object, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the image object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the image object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK213S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE L-UNITS PER UNIT BASE PARAMETER IN THE *structuredfield* STRUCTURED FIELD IS INVALID.

Explanation: An incorrect L-Units value was encountered in the structured field identified in this message. The structured field is contained in the Object Environment Group of an image object. The image object might be contained in a composed-text print data set, an overlay, a page segment; or it might be embedded in a data set containing line data.

System action: ACIF stops processing the print data set. ACIF issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the image object, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the image object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the image object with the error, verify that the input to that program was valid. If the input was valid, refer to *Advanced Function Presentation: Diagnosis Guide* for assistance in determining the source of the problem.

APK217S DATA IN AN INPUT RECORD IS INVALID: PARAMETER IN A BR STRUCTURED FIELD CONTAINS UNACCEPTABLE DATA.

Explanation: One of the parameters in the Begin Resource (BR) structured field is not valid. The BR structured field is contained in the print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you placed the BR structured field in the print data set, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the BR structured field in the print data set, contact your system programmer.

System programmer response: If an IBM licensed program was used to place the BR structured field in the print data set, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK221S DATA IN A FORMDEF RESOURCE IS INVALID: THE ORIENTATION VALUE *value* IN THE MDD STRUCTURED FIELD IS UNACCEPTABLE.

Explanation: The Medium Descriptor (MDD) structured field has an incorrect orientation value. The MDD structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK244I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE *structuredfield* STRUCTURED FIELD CONTAINS TOO MANY REPEATING GROUPS.

Explanation: The structured field contains more repeating groups than are allowed. The structured field in which the error appears can be in a resource environment group, a composed text page, an overlay, or a page definition.

System action: If this error occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

If this error occurs in a composed text page, PSF stops processing the current page. PSF attempts to find the end of the current page and resume printing on the next page. If unable to find the end of the current page, PSF stops printing the data set.

PSF issues additional messages identifying the processing environment in which the error was found.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK245I A COMPLEX IM IMAGE OBJECT CONTAINS INVALID OR INCORRECT DATA. THE COMPLEX IM IMAGE OBJECT CANNOT BE CONVERTED TO AN IO IMAGE OBJECT.

Explanation: This message is issued when ACIF converts a complex IM image object to an IO image object and the image size is not large enough to contain the image raster data from the IRD structured fields. This message is issued when the default IMAGEOUT=IOCA parameter is specified. This message is issued if either of these are true:

- The XCSIZE or YCSIZE parameter value of the ICP structured field is larger than the calculated image X size or Y size, respectively.
- The XCOSET plus XFILESIZE parameter values or the YCOSET plus YFILESIZE parameter values of the ICP structured field are larger than the calculated image X size or Y size, respectively.

When ACIF converts a complex IM image object to an IO image object, ACIF calculates the image size by subtracting the X and Y image origins from the X and Y page sizes. The X and Y image origins are from the XOA0SET and YOA0SET parameter values of the IOC structured field. The X and Y page sizes are from the XPGSIZE and YPGSIZE parameter values of the PGD structured field, if the image object is contained in a MO:DCA-P file or overlay, or is embedded in a file containing line data. For an image object in a page segment, the X and Y page sizes used by ACIF are 2040 and 2640 respectively. The IOC and ICP structured fields are contained in a MO:DCA-P file, overlay, or page segment, or are embedded in a file containing line data. The PGD structured field is contained in a MO:DCA-P file, overlay, or page definition.

System action: ACIF terminates.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK246S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: A REQUIRED TRIPLET with ID identifier WAS MISSING FROM AN IOB STRUCTURED FIELD.

Explanation: When identifier is:

- X'4C'** The x- or y-axis origin for object content or an object area size (X'4C') triplet was specified on an IOB, but no measurement unit (X'4B') triplet was specified. The structured field is contained in a print data set or overlay.
- X'22'** The Extended Resource Local Identifier (X'22') triplet is required when the IOB structured field is contained in a page definition.

System action: If the error is contained in a page definition, PSF terminates processing of the data set and continues processing with the next data set. Otherwise, PSF terminates the page or overlay containing the structured field in error. PSF attempts to locate the end of the current page and resumes processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. PSF issues a message identifying the position of the structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you placed the IOB structured field in the print data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture™ Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: If an IBM licensed program was used to place the IOB structured field in the print data set or overlay, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK247S DATA IN AN INPUT RECORD IS INVALID: A PARAMETER IN AN IOB STRUCTURED FIELD CONTAINS UNACCEPTABLE DATA.

Explanation: One of the parameters in the Include Object (IOB) structured field is not valid. The object type specified is not supported or is not valid or the x or y offset of the object area or the rotation value are not explicitly specified when the reference coordinate system is set to X'00'. The IOB structured field is contained in the print data set or an overlay.

System action: ACIF stops processing the input data set.

User response: If you placed the IOB structured field in the input data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: No response is necessary.

APK248S DATA IN A PAGE SEGMENT IS INVALID: *structuredfield* STRUCTURED FIELD IS NOT ALLOWED IN A PAGE SEGMENT INCLUDED WITH AN IOB.

Explanation: Only MO:DCA-P page segments are allowed to be included with an IOB structured field. MO:DCA-P page segments cannot contain IM1 image or PTOCA data.

System action: ACIF stops processing the input data set.

User response: If you placed the IOB structured field in the input data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: No response is necessary.

APK250S DATA IN A PAGE OR RESOURCE IS MISSING: THE REQUIRED STRUCTURED FIELD *structuredfield* COULD NOT BE FOUND TO COMPLETE THE PROCESSING OF A PAGE OR RESOURCE.

Explanation: The structured field identified in this message is required to complete the processing of a page or resource. This structured field was not found before the end of the page or resource was encountered.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK251S DATA IN A FORMDEF RESOURCE IS MISSING: THE FORMDEF DOES NOT CONTAIN ANY MEDIUM MAPS.

Explanation: The form definition did not specify any medium maps; however, a medium map is required to print a page.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK252I THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INDICATES DIFFERENT SELECT INPUT SOURCE VALUES FOR THE FRONT AND BACK SIDES OF A DUPLEX SHEET.

Explanation: The Medium Modification Control (MMC) structured field referenced by the Medium Copy Count (MCC) structured field repeating groups specify different input source or media type local ID values, along with either tumble or normal duplex. This is an attempt to print the front and back sides of a sheet from different input bins.

System action: The form definition containing the error is not used, and one of these occurs:

- If the error is in the default form definition, or a form definition specified for printing messages or separator pages, PSF is not started.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set. PSF issues a message identifying the position of the structured field in the form definition. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK253S DATA IN A FORMDEF RESOURCE IS INVALID: THE PRINT QUALITY VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: The Medium Modification Control (MMC) structured field specified a print quality value of 0, which is outside the valid range. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK254S DATA IN A FORMDEF RESOURCE IS INVALID: THE OFFSET STACKING VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: The Medium Modification Control (MMC) structured field specified an offset stacking value other than 0 or 1. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK255S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE FONT RESOLUTION AND METRIC TECHNOLOGY TRIPLET SPECIFIES AN INCORRECT VALUE.

Explanation: There is an incorrect value specified for the metric technology, the unit base, or the units per unit base field in the Font Resolution and Metric Technology triplet (X'84'). The triplet is specified on a Map Coded Font (MCF) structured field, which can be in an print data set or overlay.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the job to ACIF. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK256S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE *structuredfield* STRUCTURED FIELD CONTAINS A *triplet* TRIPLET THAT HAS AN INVALID VALUE. THE INVALID VALUE STARTS IN BYTE *byte* OF THE TRIPLET.

Explanation: An incorrect value was specified for a field that starts in byte offset of the triplet identified in this message. The triplet is specified on the structured field identified in this message.

System action: If the error occurred in a form definition, a page definition, or a non-presentation object container resource (for example, COMSETUP), the form definition, page definition, or non-presentation object container resource is not used, and one of these occurs:

- PSF is not started for any of these:
 - The default form definition
 - A form definition specified for printing messages or separator pages
 - A page definition specified for printing messages or separator pages
- PSF cannot begin printing the data set for a form definition or non-presentation object container resource (or page definition if printing line date) specified on a user's OUTPUT JCL statement; PSF tries to print the next data set. If the error occurred in a structured field in a page or another type of resource, PSF attempts to find the end of the page or resource. If PSF can find the end of the page or resource, it prints any data accumulated for the current page. If PSF cannot find the end of the page or resource, the data set is terminated.

PSF issues a message identifying the position of the structured field in the data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the object, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK258S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: *structuredfield* STRUCTURED FIELD IS NOT ALLOWED BETWEEN OBJECTS.

Explanation: The structured field identified in this message is not allowed at the point in the input data stream or resource at which it was found.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or

Advanced Function Presentation: Programming Guide and Line Data Reference for more information about the structured field. If the structured fields are in the correct order, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK259S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE X-DIRECTION AND Y-DIRECTION L-UNITS PER UNIT BASE VALUES SPECIFIED IN STRUCTURED FIELD *structuredfield* DO NOT MATCH.

Explanation: The X-direction and Y-direction L-Units per Unit Base values in the structured field identified in the message are not identical.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK260S THE OBJECT SPECIFIED WITH THE *structuredfield* STRUCTURED FIELD IS NOT SUPPORTED ON THIS PRINTER.

Explanation: PSF has encountered a valid AFP object that is not supported by the printer. The object is identified either by its Begin structured field, by an Invoke structured field, such as Include Page Overlay (IPO), or by an OTH record (object container without MO:DCA-P structured fields wrapping the data).

System action: If the object or Invoke structured field is embedded in a page or overlay, PSF ignores the object and continues processing the current page or overlay.

If the Begin structured field, the Invoke structured field, or the OTH record is in a resource included by a page or overlay, PSF terminates the page or overlay. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set.

User response: To print the object type indicated in the message, submit the print job to a printer that supports the object type. For more information about what object types are supported by your printer, refer to your printer documentation.

System programmer response:

Delete the unsupported object type from the separator page data set for this printer.

APK261S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: STRUCTURED FIELD *structuredfield* CONTAINED A CODED-FONT-LOCAL-IDENTIFIER VALUE THAT WAS USED IN A PREVIOUS FONT MAPPING STRUCTURED FIELD.

Explanation: One or more font mapping structured fields in the same active environment group or object environment group used the same coded font local identifier for different coded fonts. The Map Coded Font (MCF) structured field that attempted to use the already-mapped coded font local identifier is identified in the message. The MCF structured field can be contained in a composed-text print data set, an overlay, or a page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you were printing a composed-text print data set or an overlay, and you created the structured fields in the object containing the error, check the Coded Font Local Identifiers in the MCF structured field for duplicates. If the MCF structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields in the object containing the error, contact your system programmer.

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If you were printing a data set containing line data using a page definition, and if you created the structured fields for the page definition, check the Coded Font Local Identifiers in the MCF structured field for duplicates. If the MCF structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK262S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: STRUCTURED FIELD *structuredfield* CONTAINS AN INVALID ROTATION VALUE.

Explanation: The rotation value specified in the named structured field was not valid.

System action: ACIF stops processing the print data set. ACIF issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK263S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: OVERLAY *overlayname* NAMED IN AN IPO STRUCTURED FIELD IS NOT NAMED IN AN MPO STRUCTURED FIELD.

Explanation: An Include Page Overlay (IPO) structured field names a page overlay, but the overlay was not previously defined in the Map Page Overlay (MPO) structured field in the Active Environment Group (AEG) of the page, which contains the IPO. The MPO might be contained in the AEG of a composed-text page or a page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If the MPO indicates that this overlay is for annotation only, create another MPO structured field in the AEG that defines the page overlay. If you are using the input data to define the name of your page overlay and your input data is ASCII, this error can occur because the resource name in the MPO is EBCDIC. If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you use a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK264S DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: A RESOURCE MAPPED BY A *structuredfield* STRUCTURED FIELD IN AN OBJECT ENVIRONMENT GROUP IS NOT NAMED IN THE ACTIVE ENVIRONMENT GROUP OF THE PAGE OR RESOURCE.

Explanation: A structured field in an object environment group names a resource. However, that resource is not defined in the structured field in the active environment group of the page or resource containing the object environment group.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource. ACIF stops processing and printing the data set.

User response: If you created the structured fields for the print data set or the resource, correct the error and

resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK265I DATA IN A FORMDEF RESOURCE IS INVALID: THE SCOPE OF THE MFC IS *scope* BUT *structuredfield* IS THE STRUCTURED FIELD THAT BOUNDS THE MFC.

Explanation: Either a document environment group or a medium map in the current form definition contains a Medium Finishing Control (MFC) structured field with an incorrect value specified for the scope.

System action: The MFC is ignored and processing continues. ACIF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK266I THE INPUT BIN SPECIFIED IN THE MMC STRUCTURED FIELD OR ON THE OUTPUT STATEMENT IS AN INSERTER BIN AND IS DISABLED. AN ALTERNATIVE BIN WAS SUBSTITUTED.

Explanation: The Medium Modification Control (MMC) structured field or the output statement requested an input bin that is supported by the printer but is disabled. This bin is an inserter bin. The MMC structured field is contained in the form definition. The output statement is in the JCL.

System action: ACIF continues processing, selecting paper from an alternative bin. The inserter pages are blank sheets from the alternative bin.

User response: If the output is not acceptable, submit the print request to a printer that has the specified bin available, or ensure that the bin is enabled on the original printer before resubmitting the print request.

System programmer response: No response is necessary.

APK267S EITHER NO ENVIRONMENT GROUP WAS SPECIFIED FOR THE PAGE OR AN ERROR OCCURRED IN THE ENVIRONMENT GROUP.

Explanation: Either no environment group was specified, or an error occurred in one of the structured fields in the environment group. If an environment group was present but contained an error, a previous ACIF message identifies the error. The environment group causing this error might be contained in an overlay, a page definition, or a composed-text print data set.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK268S AN ENTRY IN AN MCF STRUCTURED FIELD DOES NOT CONTAIN CODE PAGE INFORMATION.

Explanation: One of the repeating groups in a Map Coded Font Format 2 (MCF-2) structured field specifies a font character set but no code page information. This error was detected while processing a graphics object within a page or overlay.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the object, correct the error and resubmit the print request. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK269S A VALUE OF ZERO WAS SPECIFIED AS THE L-UNITS PER UNIT BASE IN THE *structuredfield* STRUCTURED FIELD.

Explanation: Several structured fields specify an L-Units per Unit Base value: Medium Descriptor (MDD), Page Descriptor (PGD), Presentation Text Descriptor (PTD-2), Object Area Descriptor (OBD), Graphics Data Descriptor (GDD), Image Data Descriptor (IDD), Barcode Data Descriptor (BDD), and Image Input Descriptor (IID). The value of zero is not valid for the L-Units per Unit Base.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for information about the structured fields. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or resource with the error, verify that the input to that program was valid. If the input was valid, refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference, Advanced Function Presentation: Programming Guide and Line Data Reference*, and the appropriate system programming guide for assistance in determining the source of the problem.

APK270S DATA IN A PAGEDEF RESOURCE IS MISSING: THE PAGEDEF DOES NOT CONTAIN ANY DATA MAPS.

Explanation: The page definition did not specify any data maps and a data map is required to print a data set containing line data.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK271S DATA IN A FORMDEF RESOURCE IS INVALID: THE DUPLEX SPECIFICATION IN THE PGP STRUCTURED FIELD IS NOT ACCEPTABLE.

Explanation: The duplex specification value in the Page Position (PGP) structured field is not acceptable. The PGP structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK272S DATA IN A FORMDEF RESOURCE IS INVALID: THE PGP STRUCTURED FIELD DOES NOT CONTAIN A PAGE ORIGIN POSITION FOR THE FRONT SIDE OF A SHEET.

Explanation: The Page Position format-2 (PGP) structured field must contain a repeating group that defines the Page Origin Position for the front side. This value will also be used for the back side of a duplex sheet unless the PGP structured field contains a repeating group that specifies the Page Origin Position for the back side of the sheet. The PGP structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK273S DATA IN A FORMDEF RESOURCE IS INVALID: THE CONSTANT FORMS CONTROL VALUE IN THE MMC STRUCTURED FIELD ID *identifier*, IS NOT ACCEPTABLE.

Explanation: The Constant Forms Control modification in the Medium Modification Control (MMC) structured field contained an unsupported value. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK274S DATA IN A FORMDEF RESOURCE IS INVALID: THE MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INCLUDE CONFLICTING CONSTANT FORMS CONTROL VALUES FOR THE SAME SIDE OF THE SHEET.

Explanation: All Medium Modification Control (MMC) structured fields referenced by the Medium Copy Count (MCC) structured field must use the same Constant Forms Control value for the same side of a sheet. The MMC and MCC structured fields are contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK275S DATA IN A FORMDEF RESOURCE IS INVALID: A MEDIUM MAP SPECIFIES ONLY CONSTANT DATA FOR A PAGE.

Explanation: An attempt was made to process a page using a medium map specifying Constant Forms Control for both the front and back sides of a duplexed page or for the front side of a simplex page. Another medium map must be invoked to allow processing of the remaining line or page data. The Constant Forms Control is contained in a Medium Modification Control (MMC) structured field. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK276I DATA IN A FORMDEF RESOURCE IS INVALID: THE OUTPUT BIN SELECTION VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: In the Medium Modification Control (MMC) structured field whose identifier is specified in the message text, the output bin selection parameter value was not valid. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK277I THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INDICATES DIFFERENT OUTPUT BIN VALUES FOR THE FRONT AND BACK SIDES OF A DUPLEX SHEET.

Explanation: The Medium Modification Control (MMC) structured fields referenced by the Medium Copy Count (MCC) structured field repeating groups specify different output bin values along with either tumble or normal duplex. This is an attempt to place the front and back sides of a sheet into different output bins.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK278S DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE MAPPING OPTION SPECIFIED IN THE *structuredfield* IS INCORRECT OR UNSUPPORTED.

Explanation: The structured field in error contained an incorrect Mapping Option value or the printer does not support the Mapping Option value. The structured field could be contained in a bar code object, graphics object, image object, or object container object, or it could be an IOB structured field with a bad mapping option triplet. The bar code object, graphics object, image object, or IOB can be contained in an overlay, MO:DCA-P page, or embedded in line data. The graphics object can be contained in a composed-text print data set or an overlay, or embedded in a data set containing line data. The image object can be contained in a composed-text print data set, an overlay, or a page segment, or embedded in a data set containing line data.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the object, correct the error and resubmit the print request. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK279I DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MMC STRUCTURED FIELD, ID *identifier*, INCLUDES DUPLICATE CONFLICTING VALUES FOR THE *keyword* KEYWORD.

Explanation: The Medium Modification Control (MMC) structured field contains duplicate conflicting values for the keyword identified in the message text. The MMC structured field is in the form definition.

System action: ACIF issues this message and continues processing, ignoring the duplicate keyword.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK280I A FORMDEF RESOURCE REQUESTED A MEDIA EJECT CONTROL TO THE NEXT BACK-SIDE AND DUPLEX=NO WAS SPECIFIED ON THE OUTPUT STATEMENT.

Explanation: When a media eject control to the next back-side is specified in a form definition, the DUPLEX=NO keyword on the OUTPUT statement cannot be used to change from duplex (specified in the form definition) to simplex. The reason is that an incompatible request is being made; you cannot eject to the next back-side when simplexing.

When a media eject control to the next back-side is specified in the form definition and the form definition requests normal or tumble duplex, the only valid option for the duplex keyword is to specify either DUPLEX=NORMAL or DUPLEX=TUMBLE on the OUTPUT statement.

System action: ACIF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: Resubmit the job without requesting the duplex keyword on the OUTPUT statement.

System programmer response: None.

APK299I AN IM IMAGE OBJECT CONTAINS INVALID OR INCORRECT DATA. THE IM IMAGE OBJECT CANNOT BE CONVERTED TO AN IO IMAGE OBJECT.

Explanation: This message is issued when ACIF converts an IM image object to an IO image object and one of the image size values is zero. For a simple IM image object, this message is issued if either the XSize or YSize parameter value of the IID structured field is zero. For a complex IM image object, this message is issued if one of the XCSize, YCSize, XFilSize, or YFilSize parameter values of the ICP structured field is zero.

System action: ACIF stops processing the input file.

User response: Correct the error and resubmit the request.

System programmer response: If an IBM licensed program was used to create the structured fields for the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK300I DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF SKIPPING PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* IS 0.

Explanation: The current record contains a control character that indicates a skip to a Line Descriptor (LND) structured field with a specific channel control. However, the LND structured field identified in this message had a value of 0 in its NEXT LINE DESCRIPTOR IF SKIPPING parameter. The LND structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK301S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF SKIPPING PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* IS *parametervalue*. THIS EXCEEDS THE LNC STRUCTURED FIELD COUNT VALUE OF *parametervalue*.

Explanation: In the Line Descriptor (LND) structured field identified in this message, the value of the next LND IF SKIPPING parameter is greater than the total number of LND structured fields in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK307S DATA IN A PAGEDEF RESOURCE IS INVALID: IN LND STRUCTURED FIELD NUMBER *number*, THE REUSE RECORD FLAG WAS SET BUT THE NEXT LINE DESCRIPTOR IF REUSING DATA PARAMETER WAS 0.

Explanation: In the Line Descriptor (LND) structured field identified in this message, the Reuse Record flag had a value of B'1', indicating that the data being processed in this LND structured field should be reused and processed. The NEXT LINE DESCRIPTOR IF REUSING DATA parameter should point to the LND structured field used to continue processing. However, the value for the REUSING DATA parameter was X'0000', indicating the end of the chain. The LND structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK309S DATA IN A PAGEDEF RESOURCE IS INVALID: THE REPEATING GROUP LENGTH PARAMETER VALUE IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. Either the LENGTH OF REPEATING GROUPS parameter is zero, or the length of the repeating group data is not a multiple of the size specified in that parameter. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK310S DATA IN A PAGEDEF RESOURCE IS INVALID: THE COUNT PARAMETER VALUE IN THE LNC STRUCTURED FIELD WAS 0.

Explanation: The COUNT parameter in the Line Descriptor Count (LNC) structured field had a value of zero. The LNC structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK312S DATA IN A PAGEDEF RESOURCE IS INVALID: THE SIZE PARAMETER VALUE IN THE FDS STRUCTURED FIELD WAS 0.

Explanation: The SIZE parameter in the Fixed Data Size (FDS) structured field has a value of 0. The FDS structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK314S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NUMBER OF REPEATING GROUPS PARAMETER VALUE IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. Either the NUMBER OF REPEATING GROUPS parameter contained in the CCP structured field is zero, or the number of repeating groups does not match the number specified in the parameter. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK315S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF SPACING PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* IS 0.

Explanation: The logical-record control character indicates that the NEXT LINE DESCRIPTOR IF SPACING parameter should be followed. However, in the Line Descriptor (LND) structured field identified in this message, the NEXT LINE DESCRIPTOR IF SPACING parameter value was zero. The LND structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK316S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF SPACING PARAMETER IN LND STRUCTURED FIELD NUMBER *number* IS *parameter* value. THIS VALUE IS TOO LARGE.

Explanation: The logical record control character indicates that the NEXT LINE DESCRIPTOR IF SPACING parameter in the Line Descriptor (LND) structured field should be followed. However, in the Line Descriptor (LND) structured field identified in this message, the NEXT LINE DESCRIPTOR IF SPACING parameter value was greater than the total number of line descriptors in the data map. The LND structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK317S DATA IN A PAGEDEF RESOURCE IS INVALID: THE LENGTH OF COMPARISON STRING PARAMETER VALUE IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. Either the LENGTH OF COMPARISON STRING parameter is zero, or the length of the comparison string data does not match the length of a repeating group minus the fixed lengths of the remaining fields of the repeating group. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK319I DATA IN A PAGEDEF RESOURCE IS NOT VALID: LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number* HAS A NULL VALUE SPECIFIED IN THE SUPPRESSION TOKEN NAME PARAMETER. A NULL VALUE IS NOT VALID.

Explanation: The SUPPRESSION TOKEN NAME parameter in the Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field in the page definition has a null value. A null value is any value that contains X'FFFF' in the first two bytes.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK320S DATA IN A PAGEDEF RESOURCE IS INVALID: THE IDENTIFIER *identifier1* SPECIFIED IN THE NEXT CCP IDENTIFIER PARAMETER IN CCP STRUCTURED FIELD *identifier2* WAS NOT FOUND.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The NEXT CONDITIONAL PROCESSING CONTROL IDENTIFIER parameter in the CCP structured field specifies the identifier used to locate a CCP, if the CCP structured fields are chained. The identifier must match a value specified in the CCP IDENTIFIER parameter of another CCP within the same page definition. The identifier specified in the NEXT CCP IDENTIFIER parameter did not match the CCP IDENTIFIER of any CCPs in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK321S DATA IN A PAGEDEF RESOURCE IS INVALID: THE TIMING OF ACTION PARAMETER VALUE *value* IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The TIMING OF ACTION parameter in one of the repeating groups of the CCP structured field contains an incorrect value. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK322S DATA IN A PAGEDEF RESOURCE IS INVALID: THE MEDIUM MAP ACTION PARAMETER VALUE *value* IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The MEDIUM MAP ACTION parameter in one of the repeating groups of the CCP structured field contains an incorrect value. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK323S DATA IN A PAGEDEF RESOURCE IS INVALID: THE DATA MAP ACTION PARAMETER VALUE *value* IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The DATA MAP ACTION parameter in one of the repeating groups of the CCP structured field contains an incorrect value. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK324S DATA IN A PAGEDEF RESOURCE IS INVALID: THE COMPARISON PARAMETER VALUE *value* IN CCP STRUCTURED FIELD *ccpidentifier* IS INVALID.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The COMPARISON parameter in one of the repeating groups of the CCP structured field contains an incorrect value. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK326S DATA IN A PAGEDEF RESOURCE IS INVALID: THE DATA MAP *datamapname* SPECIFIED IN THE DATA MAP NAME PARAMETER OF CCP STRUCTURED FIELD *ccpidentifier* WAS NOT FOUND.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The DATA MAP NAME parameter in one of the repeating groups of the CCP structured field specifies the token name of a data map used to locate a data map in the page definition. The name must match the value specified in the TOKEN NAME parameter in one of the Begin Data Map (BDM) structured fields in the current page definition. No data map with name *datamapname* was found in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK327S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF REUSING DATA PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* WILL CAUSE AN INFINITE LOOP.

Explanation: The NEXT LINE DESCRIPTOR IF REUSING DATA parameter in the Line Descriptor (LND) structured field identified in this message caused an infinite-loop condition. The LND structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK329S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NEXT LINE DESCRIPTOR IF REUSING DATA PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* IS *parametervalue1*. THIS EXCEEDS THE LNC STRUCTURED FIELD COUNT VALUE OF *parametervalue2*.

Explanation: The NEXT LINE DESCRIPTOR IF REUSING DATA parameter in the Line Descriptor (LND) structured field identified in this message has an incorrect value. The value is greater than the COUNT parameter in the Line Descriptor Count (LNC) structured field in the current data map. The LNC and LND structured fields are contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK330I DATA IN A PAGEDEF RESOURCE IS NOT VALID: WHEN THE DATA START POSITION VALUE IS ADDED TO THE DATA LENGTH VALUE IN LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number*, IT EXCEEDS THE FDS STRUCTURED FIELD SIZE VALUE OF *parameter*value.

Explanation: The Use Fixed Data flag in byte 0 in the Line Descriptor (LND) structured field, in byte 11 in the Record Descriptor (RCD) structured field, or in byte 1 in the XML Descriptor (XMD) structured field was set to B'1'. This indicates that data from Fixed Data Text (FDX) structured fields is to be added to the data placed within the page by the LND, RCD, or XMD structured field. The FDX, XMD, RCD, and LND structured fields are in the page definition.

The DATA START POSITION parameter in the LND, RCD, or XMD structured field indicates the offset of the first byte of data. The DATA LENGTH parameter specifies how many bytes of FDX are to be placed within the page. This error was caused when these two parameters specified more data than the FDX structured fields contain. The number of bytes of data in the FDX structured fields can be found in the SIZE parameter of the Fixed Data Size (FDS) structured field.

System action: PSF stops processing the current data set, and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK334S DATA IN A PAGEDEF RESOURCE IS INVALID: THE AMOUNT OF FIXED DATA RECEIVED DID NOT AGREE WITH THE VALUE SPECIFIED IN THE FDS STRUCTURED FIELD SIZE PARAMETER.

Explanation: The Fixed Data Text (FDX) structured field contained more bytes of data than what was indicated in the SIZE parameter of the Fixed Data Size (FDS) structured field. The FDS and FDX structured fields are contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK335S DATA IN A PAGEDEF RESOURCE IS INVALID: THE MEDIUM MAP *mediummapname* SPECIFIED IN THE MEDIUM MAP NAME PARAMETER OF CCP STRUCTURED FIELD *ccpidentifier* WAS NOT FOUND.

Explanation: The Conditional Processing Control (CCP) structured field has an incorrect value. The MEDIUM MAP

NAME parameter in one of the repeating groups of the CCP structured field specifies the token name of a medium map used to locate a medium map in the form definition. The name must match the value specified in the TOKEN NAME parameter in one of the Begin Medium Map (BMM) structured fields in the current form definition. No medium map with name *mediummapname* was found in the form definition. The CCP structured field is contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK337I DATA IN A PAGEDEF RESOURCE IS NOT VALID: IN LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number*, THE CONDITIONAL PROCESSING FLAG WAS SET BUT THE CONDITIONAL PROCESSING CONTROL IDENTIFIER WAS ZERO.

Explanation: In the Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field, the Conditional Processing flag had a value of B'1', indicating that the line data to be processed by this LND, RCD, or XMD structured field is to be compared with a value specified in a Conditional Processing Control (CCP) structured field. The CCP IDENTIFIER parameter in the LND, RCD, or XMD structured field is used to find one of the CCP structured fields in the current page definition. This parameter was set to 0, which is not a valid value if the Conditional Processing flag is on. The LND, RCD, XMD, and CCP structured fields are in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK339I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE IDENTIFIER *identifier* SPECIFIED IN THE CONDITIONAL PROCESSING CONTROL IDENTIFIER PARAMETER IN LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number* WAS NOT FOUND.

Explanation: In the Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field, the Conditional Processing flag had a value of B'1', indicating that the line data to be processed by this LND, RCD, or XMD structured field is to be compared with a value specified in a Conditional Processing Control (CCP) structured field. The CCP IDENTIFIER parameter in the LND, RCD, or XMD structured field is used to find one of the CCP structured fields in the current page definition. However, the identifier specified in the LND, RCD, or XMD structured field identified in this message does not match the value specified in the CCP IDENTIFIER parameter in any of the CCP structured fields in the current page definition. The LND, RCD, XMD, and CCP structured fields are in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK340I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE NEXT LINE DESCRIPTOR IF CONDITIONAL PROCESSING PARAMETER VALUE IN LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number* IS *value1*. THIS EXCEEDS THE LNC STRUCTURED FIELD COUNT VALUE OF *value2*.

Explanation: The NEXT LINE DESCRIPTOR IF CONDITIONAL PROCESSING parameter in the Line Descriptor (LND), Record Format Descriptor (RCD), or XML Descriptor (XMD) structured field has an incorrect value. The value is greater than the COUNT parameter in the Line Descriptor Count (LNC) structured field in the current data map. The LNC, LND, RCD, and XMD structured fields are contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK341S DATA IN A PAGEDEF RESOURCE IS INVALID: IN LND STRUCTURED FIELD NUMBER *number*, THE SHIFT-OUT CODED FONT LOCAL IDENTIFIER WAS NON-ZERO BUT THE GENERATE FONT CHANGE FLAG WAS NOT SET.

Explanation: In the Line Descriptor (LND) or Record Descriptor (RCD) structured field identified in this message, the Shift-Out Coded Font Identifier was non-zero. The Generate Font Change flag should be set to indicate that the Primary Coded Font Local Identifier should be used whenever a shift-in code is processed. However, the Generate Font Change flag had a value of B'0'. The LND or RCD structured field is contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK342I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE NEXT LINE DESCRIPTOR IF CONDITIONAL PROCESSING PARAMETER VALUE IN LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number* WILL CAUSE AN INFINITE LOOP.

Explanation: The NEXT LINE DESCRIPTOR IF CONDITIONAL PROCESSING parameter in the Line Descriptor (LND), Record Format Descriptor (RCD), or XML Descriptor (XMD) structured field caused an infinite-loop condition. The LND, RCD, and XMD structured fields are in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK343I DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS NOT VALID: RELATIVE POSITIONING PLACED DATA OUTSIDE THE LOGICAL PAGE IN THE NEGATIVE Y DIRECTION. THE PRIOR AND CURRENT LND, RCD, OR XMD STRUCTURED FIELD NUMBERS ARE: *priornumber* AND *currentnumber*.

Explanation: When relative positioning is being used on a Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field, the relative position specified for the Y direction can be a negative value. The current LND, RCD, or XMD position (*priornumber*) defines the baseline position from which the relative offset of the current LND, RCD, or XMD is measured.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK344S DATA IN A PAGEDEF RESOURCE IS INVALID: THE NUMBER OF LND STRUCTURED FIELDS DOES NOT MATCH THE VALUE SPECIFIED IN THE LNC STRUCTURED FIELD.

Explanation: The number of Line Descriptor (LND) or Record Descriptor (RCD) structured fields found in a page definition is either greater than or less than the value specified in the Line Descriptor Count (LNC) structured field. The LND, RDC, and LNC structured fields are in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment in which the error occurred.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK346W DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS INVALID: A SKIP TO A NONEXISTENT CHANNEL = *channel* ON RECORD NUMBER = *recordnumber* WAS DETECTED WITHIN THE LND STRUCTURED FIELDS. OUTPUT WAS FORCED TO SINGLE SPACING, WHICH MAY CAUSE BLANK PAGES.

Explanation: An attempt was made to skip to a channel not defined in the current data map. The Line Descriptor (LND) structured fields in the page definition are incorrect. During scanning, the entire NEXT LINE DESCRIPTOR IF SKIPPING parameter could not be followed because an LND had the End Page If Skipping flag set. This created an infinite loop on the same input record. The LND structured field is contained in the page definition.

System action: The record containing the error was forced to single spacing. When forced single spacing occurs, the carriage control character on the record is ignored. The record is treated as if a X'09' machine control character or a X'40' ANSI control character was specified in the record that caused the error.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print

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request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to *Advanced Function Presentation: Diagnosis Guide* for assistance in determining the source of the problem.

APK350S DATA IN A PAGEDEF RESOURCE IS INVALID: IN LND STRUCTURED FIELD NUMBER *number*, THE SHIFT-OUT CODED FONT LOCAL IDENTIFIER WAS NON-ZERO BUT THE GENERATE FONT CHANGE FLAG WAS NOT SET.

Explanation: In the Line Descriptor (LND) or Record Descriptor (RCD) structured field identified in this message, the Shift-Out Coded Font Identifier was non-zero. The Generate Font Change flag should be set to indicate that the Primary Coded Font Local Identifier should be used whenever a shift-in code is processed. However, the Generate Font Change flag had a value of B'0'. The LND or RCD structured field is contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK352I DATA IN A PAGEDEF RESOURCE IS NOT VALID: BAR CODE GENERATION WAS REQUESTED ON LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number*, BUT THE PRINTER DOES NOT SUPPORT BAR CODE OBJECTS.

Explanation: A Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field in a page definition has requested PSF to generate a bar code object from the line data, but the printer does not support bar code objects.

System action: PSF ignores the request and continues processing the data set.

User response: To print the data set and have PSF generate bar code objects, submit the print job to a printer that supports bar code objects. For more information about AFP printers that support bar code objects, refer to *Advanced Function Presentation: Printer Information*.

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, delete the option from the page definition that requests that a bar code be generated.

APK353S DATA IN A PAGEDEF RESOURCE IS INVALID: THE DATA LENGTH PARAMETER VALUE IN LND STRUCTURED FIELD NUMBER *number* DOES NOT MATCH THE LENGTH OF COMPARISON STRING PARAMETER VALUE IN CCP STRUCTURED FIELD *ccpidentifier*.

Explanation: In the Line Descriptor (LND) structured field, the value of the DATA LENGTH parameter is used in identifying the field of the current input record for which conditional processing is to be performed. This field is to be compared with the Comparison String specified in the Conditional Processing Control (CCP) structured field. The length specified in the DATA LENGTH parameter in the LND structured field does not match the length specified in the LENGTH OF COMPARISON STRING parameter of the CCP structured field. The LND and CCP structured fields are contained in the page definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program

to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK355S DATA IN A PAGEDEF RESOURCE IS INVALID: A PAGE OVERLAY WAS REQUESTED IN LND OR RCD STRUCTURED FIELD *structuredfield*, BUT THE PRINTER DOES NOT SUPPORT PAGE OVERLAYS.

Explanation: An overlay has been requested by a Line Descriptor (LND) or Record Descriptor (RCD) structured field within the page definition, but the printer does not support page overlays.

System action: PSF terminates the page and continues processing the data set.

User response: To print the data set containing the page overlay, submit the print job to a printer that supports page overlays. For more information about AFP printers that support page overlays, refer to *Advanced Function Presentation: Printer Information*.

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, delete the page overlay from the page definition.

APK356S DATA IN A PAGEDEF RESOURCE IS INVALID: A PAGE SEGMENT OR OVERLAY WAS REQUESTED IN THE LND OR RCD STRUCTURED FIELD *structuredfield*, BUT THE INLINE OR BASELINE POSITION VALUES WERE SPECIFIED FOR THE LND OR RCD.

Explanation: If any resource object-include triplets are specified in the LND structured field, bits 2 and 3 of bytes 0–1 in the LND structured field must both be set. If any resource object-include triplets are specified in the RCD structured field, bits 2 and 3 of bytes 11–13 in the RCD structured field must both be set.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment in which an error occurred.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK359I AN INLINE MEDIUM MAP WAS ENCOUNTERED IN THE DATASET, BUT INLINE MEDIUM MAPS ARE NOT SUPPORTED.

Explanation: A Begin Medium Map (BMM) structured field was encountered in the data stream after resources for the data set had been processed. ACIF does not support inline medium maps between pages. The data set might have been created by a program that creates inline medium maps, but a data set that contains inline medium maps cannot be printed.

System action: ACIF stops processing the print data set.

User response: Correct the error and resubmit the request.

System programmer response: See the I/O error message to determine an appropriate action.

APK364I THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INDICATES DIFFERENT SELECT INPUT SOURCE VALUES FOR THE FRONT AND BACK SIDES OF A DUPLEX SHEET.

Explanation: The Medium Modification Control (MMC) structured field referenced by the Medium Copy Count (MCC) structured field repeating groups specify different input source or media type local ID values, along with either tumble or normal duplex. This is an attempt to print the front and back sides of a sheet from different input bins.

System action: The form definition containing the error is not used, and one of these occurs:

- If the error is in the default form definition, or a form definition specified for printing messages or separator pages, PSF is not started.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set. PSF issues a message identifying the position of the structured field in the form definition. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK366I DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS NOT VALID: THE ORIENTATION USED WITH RELATIVE POSITIONING IS DIFFERENT THAN THE LAST ORIENTATION USED FOR PRINTING. THE PRIOR AND CURRENT LND, RCD, OR XMD STRUCTURED FIELD NUMBERS ARE: *priornumber* AND *currentnumber*.

Explanation: When relative positioning is being used on a Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field, the text orientation field of the current LND, RCD, or XMD (*currentnumber*) must match the text orientation field of the LND, RCD, or XMD (*priornumber*) that was last used for positioning data. The prior LND, RCD, or XMD position defines the baseline position from which the relative offset of the current LND, RCD, or XMD is measured.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment in which the error occurred.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK367I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE OUTPUT OPTION SPECIFIED IN AN IOB STRUCTURED FIELD WITH RESOURCE LOCAL ID *identifier* IS NOT VALID OR IS UNSUPPORTED. THE IOB IS INCLUDED WITH LND, RCD, OR XMD STRUCTURED FIELD NUMBER *number*.

Explanation: The Include Object (IOB) structured field in error contained an Output Option value that is not valid, or the printer does not support the Output Option value. The IOB is included using the Line Descriptor (LND), Record Descriptor (RCD), or XML Descriptor (XMD) structured field identified in this message. The IOB, LND, RCD, and XMD structured fields are contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment in which an error occurred.

User response: If you created the structured fields for the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK368S DATA IN A PAGEDEF RESOURCE IS INVALID: THE RESOURCE LOCAL ID *identifier* SPECIFIED IN THE EXTENDED RESOURCE LOCAL ID TRIPLET ON LND STRUCTURED FIELD NUMBER *number* WAS NOT FOUND.

Explanation: In the Line Descriptor (LND) or Record Descriptor (RCD) structured field, and Extended Resource Local Identifier triplet specifies a local ID (*identifier*) of an Include Object (IOB) structured field that is to be used to include an object when this LND or RCD is used for printing. The identifier specified on the LND or RCD does not match any of the IOB structured fields in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment in which an error occurred.

User response: If you created the structured fields for the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK369S DATA IN AN INPUT RECORD IS NOT VALID; A *structuredfield* STRUCTURED FIELD IS ATTEMPTING TO INCLUDE A NON-PRESENTATION OBJECT CONTAINER.

Explanation: The Object Classification triplet (X'10') on a structured field is requesting a non-presentation object as the object class. Only presentation objects are allowed to be included through this structured field.

System action: PSF stops processing the current page.

PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set.

If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response:

System programmer response:

APK380S THE REGISTRATION ID (*identifier*) OF AN OBJECT CONTAINER RESOURCE, NAME *resourcename* OR OBJECT OID *objectoid*, DOES NOT MATCH THE CORRESPONDING REGISTRATION ID FOR THE INVOKING JCL KEYWORD OR STRUCTURED FIELD.

Explanation: An object container resource was requested through a JCL keyword or an IOB or MDR structured field, but the object classification triplet in the Begin Object Container structured field did not have the corresponding registration ID. For a list of registration IDs and their assumed functions, refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference*. A value of *** means that the resource name or object OID was not specified.

System action: If the object container was called out by JCL, PSF stops processing the current data set and issues additional messages that identify the processing environment in which an error occurred. If the object container was included by an IOB or MDR structured field, PSF terminates the page or overlay. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set.

User response: If you created the structured fields for the object container resource, ensure that the registration ID corresponds to the keyword used to invoke the resource or the registration ID specified in the object classification triplet specified on the IOB or MDR structured field.

System programmer response: If an IBM licensed program was used to create the structured fields for the object container that contains the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK381S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE REGISTERED OBJECT ID IN THE OBJECT CLASSIFICATION TRIPLET ON A *structuredfield* STRUCTURED FIELD IS NOT SPECIFIED.

Explanation: The registered object ID is 0 in the object classification triplet. Object containers require a registered ID to be specified.

System action: If the structured field is included in an object embedded in a page or overlay, or the structured field is in a resource included by a page or overlay, PSF terminates the page or overlay. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. For non-presentation object containers, PSF stops printing the data set.

If the error is contained in a page definition, PSF terminates processing of the data set and continues processing with the next data set. PSF issues a message that identifies the position of the structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured field with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK384S DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INCLUDES CONFLICTING PRESENTATION SYSTEM SETUP ID VALUES.

Explanation: Multiple MMC structured fields referenced by the MCC structured field do not use the exact same set of Presentation System Setup ID values.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the form definition, correct the MCC structured field. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the MCC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK385S DATA IN A FORMDEF RESOURCE IS INVALID: THE MODIFICATIONS SPECIFIED IN THE MMC STRUCTURED FIELD *structuredfield* INCLUDE UNPAIRED *keyword1* AND *keyword2* KEYWORDS.

Explanation: The keywords must be paired in the Medium Modification Control (MMC) structured field. This form definition has one or the other keyword but not both, or the keyword pairs are not adjacent. The MMC structured field is contained in the form definition.

System action: The form definition containing the error is not used, and one of these occurs:

- PSF is not started if the form definition containing the error is defined in the PSF startup procedure. The form definition resources defined in the PSF startup procedure are for separator pages, for the message data set, and for the default form definition resource for user print data sets.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set. PSF issues a message identifying the position of the structured field in the form definition. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more

information about the structured field. If the structured field has no error, the error might be an PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK386S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: A REQUIRED TRIPLET with ID identifier WAS MISSING FROM AN IOB STRUCTURED FIELD.

Explanation: When identifier is:

X'4C' The x- or y-axis origin for object content or an object area size (X'4C') triplet was specified on an IOB, but no measurement unit (X'4B') triplet was specified. The structured field is contained in a print data set or overlay.

X'22' The Extended Resource Local Identifier (X'22') triplet is required when the IOB structured field is contained in a page definition.

System action: If the error is contained in a page definition, PSF terminates processing of the data set and continues processing with the next data set. Otherwise, PSF terminates the page or overlay containing the structured field in error. PSF attempts to locate the end of the current page and resumes processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. PSF issues a message identifying the position of the structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment when the error was found.

User response: If you placed the IOB structured field in the print data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: If an IBM licensed program was used to place the IOB structured field in the print data set or overlay, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK387S DATA IN AN INPUT RECORD IS INVALID: A PARAMETER IN AN IOB STRUCTURED FIELD CONTAINS UNACCEPTABLE DATA.

Explanation: One of the parameters in the Include Object (IOB) structured field is not valid. The object type specified is not supported or is not valid or the x or y offset of the object area or the rotation value are not explicitly specified when the reference coordinate system is set to X'00'. The IOB structured field is contained in the print data set or an overlay.

System action: ACIF stops processing the input data set.

User response: If you placed the IOB structured field in the input data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: No response is necessary.

APK388S DATA IN A PAGE SEGMENT IS INVALID: structuredfield STRUCTURED FIELD IS NOT ALLOWED IN A PAGE SEGMENT INCLUDED WITH AN IOB.

Explanation: Only MO:DCA-P page segments are allowed to be included with an IOB structured field. MO:DCA-P page segments cannot contain IM1 image or PTOCA data.

System action: ACIF stops processing the input data set.

User response: If you placed the IOB structured field in the input data set or overlay, correct the error and resubmit the ACIF job. Refer to *Mixed Object Document Content Architecture Reference* for more information about the structured field. If you used a program to place the IOB structured field in the print data set or overlay, contact your system programmer.

System programmer response: No response is necessary.

APK389S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE FONT RESOLUTION AND METRIC TECHNOLOGY TRIPLET SPECIFIES AN INCORRECT VALUE.

Explanation: There is an incorrect value specified for the metric technology, the unit base, or the units per unit base field in the Font Resolution and Metric Technology triplet (X'84'). The triplet is specified on a Map Coded Font (MCF) structured field, which can be in an print data set or overlay.

System action: ACIF stops processing the print data set.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the job to ACIF. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK390S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: THE *structuredfield* STRUCTURED FIELD CONTAINS A *triplet* TRIPLET THAT HAS AN INVALID VALUE. THE INVALID VALUE STARTS IN BYTE *byte* OF THE TRIPLET.

Explanation: An incorrect value was specified for a field that starts in byte offset of the triplet identified in this message. The triplet is specified on the structured field identified in this message.

System action: If the error occurred in a form definition, a page definition, or a non-presentation object container resource (for example, COMSETUP), the form definition, page definition, or non-presentation object container resource is not used, and one of these occurs:

- PSF is not started for any of these:
 - The default form definition
 - A form definition specified for printing messages or separator pages
 - A page definition specified for printing messages or separator pages
- PSF cannot begin printing the data set for a form definition or non-presentation object container resource (or page definition if printing line date) specified on a user's OUTPUT JCL statement; PSF tries to print the next data set. If the error occurred in a structured field in a page or another type of resource, PSF attempts to find the end of the page or resource. If PSF can find the end of the page or resource, it prints any data accumulated for the current page. If PSF cannot find the end of the page or resource, the data set is terminated.

PSF issues a message identifying the position of the structured field in the data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the object, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the object, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK392I DATA IN A FORMDEF RESOURCE IS INVALID: THE SCOPE OF THE MFC IS *scope* BUT *structuredfield* IS THE STRUCTURED FIELD THAT BOUNDS THE MFC.

Explanation: Either a document environment group or a medium map in the current form definition contains a Medium Finishing Control (MFC) structured field with an incorrect value specified for the scope.

System action: The MFC is ignored and processing continues. ACIF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* or *Advanced*

Function Presentation: Programming Guide and Line Data Reference for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK393I THE INPUT BIN SPECIFIED IN THE MMC STRUCTURED FIELD OR ON THE OUTPUT STATEMENT IS AN INSERTER BIN AND IS DISABLED. AN ALTERNATIVE BIN WAS SUBSTITUTED.

Explanation: The Medium Modification Control (MMC) structured field or the output statement requested an input bin that is supported by the printer but is disabled. This bin is an inserter bin. The MMC structured field is contained in the form definition. The output statement is in the JCL.

System action: ACIF continues processing, selecting paper from an alternative bin. The inserter pages are blank sheets from the alternative bin.

User response: If the output is not acceptable, submit the print request to a printer that has the specified bin available, or ensure that the bin is enabled on the original printer before resubmitting the print request.

System programmer response: No response is necessary.

APK395I A FORMDEF RESOURCE REQUESTED A MEDIA EJECT CONTROL TO THE NEXT BACK-SIDE AND DUPLEX=NO WAS SPECIFIED ON THE OUTPUT STATEMENT.

Explanation: When a media eject control to the next back-side is specified in a form definition, the DUPLEX=NO keyword on the OUTPUT statement cannot be used to change from duplex (specified in the form definition) to simplex. The reason is that an incompatible request is being made; you cannot eject to the next back-side when simplexing.

When a media eject control to the next back-side is specified in the form definition and the form definition requests normal or tumble duplex, the only valid option for the duplex keyword is to specify either DUPLEX=NORMAL or DUPLEX=TUMBLE on the OUTPUT statement.

System action: ACIF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: Resubmit the job without requesting the duplex keyword on the OUTPUT statement.

System programmer response: None.

APK396I DATA IN A FORMDEF RESOURCE IS INVALID: THE OUTPUT BIN SELECTION VALUE IN MMC STRUCTURED FIELD, ID *identifier*, IS NOT ACCEPTABLE.

Explanation: In the Medium Modification Control (MMC) structured field whose identifier is specified in the message text, the output bin selection parameter value was not valid. The MMC structured field is contained in the form definition.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK397I THE SET OF MODIFICATIONS SPECIFIED IN THE MCC STRUCTURED FIELD INDICATES DIFFERENT OUTPUT BIN VALUES FOR THE FRONT AND BACK SIDES OF A DUPLEX SHEET.

Explanation: The Medium Modification Control (MMC) structured fields referenced by the Medium Copy Count (MCC) structured field repeating groups specify different output bin values along with either tumble or normal duplex. This is an attempt to place the front and back sides of a sheet into different output bins.

System action: ACIF stops processing the print data set and issues a message identifying the position of the structured field in the data stream or resource.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK398I DATA IN A FORMDEF RESOURCE IS INVALID: THE SET OF MODIFICATIONS SPECIFIED IN THE MMC STRUCTURED FIELD, ID *identifier*, INCLUDES DUPLICATE CONFLICTING VALUES FOR THE *keyword* KEYWORD.

Explanation: The Medium Modification Control (MMC) structured field contains duplicate conflicting values for the keyword identified in the message text. The MMC structured field is in the form definition.

System action: ACIF issues this message and continues processing, ignoring the duplicate keyword.

User response: If you created the structured fields for the form definition, correct the MMC structured field and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the MMC has no errors, the error might be an ACIF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the object with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

APK400S THE *parameter* NUMBER VALUE IS NOT NUMERIC.

Explanation: A numeric value must be specified after the parameter.

System action: ACIF terminates.

User response: Use a numeric value after the parameter and resubmit the job.

System programmer response: No response is necessary.

APK401S THE *parameter* NAME MUST BE DELIMITED WITH QUOTES.

Explanation: The attribute name of the parameter must begin and end with single quotes.

System action: ACIF terminates.

User response: Use single quotes before and after the attribute name in the parameter.

System programmer response: No response is necessary.

APK402S THE PARAMETER *parameter* IS INVALID.

Explanation: A parameter that is not valid for ACIF was specified.

System action: ACIF terminates.

User response: Correct the parameter and resubmit the job.

System programmer response: No response is necessary.

APK403S THE REQUESTED RESOURCE *number* IS UNKNOWN.

Explanation: A resource I/O has been requested, but the resource type is unknown to ACIF. This condition is caused by an ACIF logic error. The resource type codes are listed below:

Type	Resource
1	Print input file
2	FORMDEF file
3	PAGEDEF file
4	OVERLAY file
5	SEGMENT file
6	Coded FONT file
7	Coded PAGE file
8	FONT Character Set file
9	FONT Metric file
10	FONT Shape file
20	Print output file
21	Messages output file
22	SPOOL file
23	Dummy input file
24	Dummy output file
25	Parameter file
26	Resource Object file

System action: ACIF terminates.

User response: Contact IBM Service.

System programmer response: No response is necessary.

APK404S THE ATTRIBUTE NAME USED IN *indexn* HAS AN IMPROPER USE OF QUOTES.

Explanation: An unpaired set of quotes was found in the attribute name for an **INDEX n** parameter.

System action: ACIF terminates.

User response: Correct the **INDEX n** parameter and resubmit the job.

System programmer response: No response is necessary.

APK405S A VALUE OF *value* IS INVALID FOR PARAMETER *parameter*.

Explanation: The value supplied for a parameter is not valid.

System action: ACIF terminates.

User response: Correct the parameter value and resubmit the job.

System programmer response: No response is necessary.

APK406S PARAMETER *parameter* HAS TOO MANY DATA SETS SPECIFIED.

Explanation: More than eight data sets have been supplied for the parameter.

System action: ACIF terminates.

User response: Correct the number of data sets and resubmit the job.

System programmer response: No response is necessary.

APK407S A RESTYPE PARAMETER OF *value* IS NOT VALID.

Explanation: A resource type of NONE was found with another value in the RESTYPE parameter. Examples of other values are: **FONT**, **OVLY**, **FDEF**, or **PSEG**. A resource type of NONE cannot be specified with another value.

System action: ACIF terminates.

User response: Correct the RESTYPE parameter and resubmit the job.

APK408S • APK411S

System programmer response: No response is necessary.

APK408S A VIRTUAL STORAGE REQUEST WAS UNSUCCESSFUL - REQUEST SIZE *storagerequestsize*
RETURN CODE *returncode*.

Explanation: A GETMAIN macro made an unsuccessful attempt to obtain virtual storage. This message indicates the storage size and the return code from the system GETMAIN macro.

System action: ACIF terminates.

User response: Increase the REGION size and resubmit the job.

System programmer response: To interpret the GETMAIN return code, refer to the documents about application development macros for your operating system.

APK409S A DDNAME FOR *parameter* WAS NOT SUPPLIED. *default* WAS USED.

Explanation: No DD name was specified for either the MSGDD or the PARMDD parameter.

System action: If the missing DD name was MSGDD, the DD name assigned to SYSPRINT was used. If the missing DD name was PARMDD, the DD name assigned to SYSIN was used.

User response: If the DD name used was not acceptable, specify a DD name for the parameter and submit the job again.

System programmer response: No response is necessary.

APK410S AN ACIF STORAGE REQUEST WAS UNSUCCESSFUL - REQUEST SIZE *storagerequestsize*
requesttype RETURN CODE *returncode*.

Explanation: An unsuccessful attempt was made to obtain or free ACIF subpool storage. This error message returns the following information:

- Storage request size
- Request type
- Return code

| This error usually occurs when the system runs out of memory for one of the following reasons:

- | • There is insufficient memory to store page data. If the page size exceeds the total amount of storage, the conditional GETMAIN fails. The page size is determined by the number of print lines between two ASA "skip to line 1" carriage control characters.
- | • EXTENSIONS=RESORDER is specified, and there are too many inline resources for the amount of internal memory available.

| **Example:**

| AN ACIF STORAGE REQUEST WAS UNSUCCESSFUL - REQUEST SIZE 295, GETMAIN RETURN CODE 255.

| **System action:** ACIF terminates.

User response: No response is necessary.

System programmer response: Use the information that is provided in the message to correct the error and resubmit the job.

| **Example:** Check that the carriage control and carriage control type are correctly specified in the input parameters.

APK411S AN ERROR OCCURRED WHILE ATTEMPTING TO *action* THE DDNAME *ddname*, RETURN CODE *returncode*.

Explanation: The file I/O macro made an unsuccessful attempt to read from, write to, or close the named DD. The return codes are:

Return Code

	Description
0	Successful
1	Permanent I/O error

2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
51	Length exceeds maximum
310	File format not valid

System action: ACIF terminates.

User response: Use the information provided in the return code to correct the problem.

System programmer response: No response is necessary.

APK412W MODULE *modulename* HAS RETURNED WITH RETURN CODE *returncode*.

Explanation: A non-zero return code has been returned from the called module. This message indicates that an abnormal occurrence has taken place in the called module. This message is informational and further action takes place in higher level modules if required.

System action: None; this message is for information only.

User response: See the accompanying message to determine a response.

System programmer response: No response is necessary.

APK413S ATTEMPTED *action* RESOURCE FILE *ddname*, RESOURCE MEMBER NAME *membername* FAILED. RETURN CODE *returncode*.

Explanation: An attempt to open, close, read, or write a resource failed. This message indicates that an abnormal occurrence has taken place in the called module. This message is informational and further action takes place in higher level modules if required.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
51	Length exceeds maximum
310	File format not valid

System action: None; this message is for information only.

APK414I • APK419S

User response: See the accompanying message to determine a response.

System programmer response: No response is necessary.

APK414I THE FOLLOWING PARAMETERS WILL BE USED FOR THIS RUN:

Explanation: This message is issued before APK415I, APK416I, and APK417I to begin the listing of the parameters to be used for this run.

System action: None.

User response: No response is necessary.

System programmer response: No response is necessary.

APK415I *parameter = value.*

Explanation: For this run, the parameter listed has been used with the associated value.

System action: None.

User response: No response is necessary.

System programmer response: No response is necessary.

APK416I THESE PATHS HAVE BEEN SPECIFIED FOR *libraryname*.

Explanation: This message is issued before message APK417I and shows the resource type the data set or file type is specified for.

System action: None.

User response: No response is necessary.

System programmer response: No response is necessary.

APK417I **PATH:** *name*

Explanation: This message follows APK416I and lists the name of the data set or file type for a particular resource type.

System action: None.

User response: No response is necessary.

System programmer response: No response is necessary.

APK418S THE MAXIMUM RECORD ID WAS EXCEEDED.

Explanation: The current job contains more than 999999999 documents.

System action: ACIF terminates.

User response: Break the job up into a smaller number of documents.

System programmer response: No response is necessary.

APK419S **USER** *exittype* **EXIT** *programname* **RETURNED CODE** *returncode*.

Explanation: An input, output, or resource user exit program has returned a non-zero return code.

System action: ACIF terminates.

User response: Correct the error in the exit program and resubmit the job.

System programmer response: No response is necessary.

APK420S AN ERROR OCCURRED WHILE ATTEMPTING TO OPEN "*dataset*" RETURN CODE *returncode*.

Explanation: An attempt to open a data set failed. This message is informational and further action takes place in higher level modules if required.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
32	ACIF message catalog not found in paths specified by NLSPATH environment variable. ACIF uses default message catalog file /usr/lib/nls/msg/en_US/acif.cat
36	Default message catalog not accessible. Check permissions
51	Length exceeds maximum
310	File format not valid

System action: ACIF terminates.

User response: Use the information provided in the return code to correct the problem.

System programmer response: No response is necessary.

APK421S AN ERROR OCCURRED WHILE ATTEMPTING TO CLOSE "*dataset*" RETURN CODE *returncode*.

Explanation: An attempt to close a data set failed. This message is informational and further action takes place in higher level modules if required.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
32	ACIF message catalog not found in paths specified by NLSPATH environment variable. ACIF uses default message catalog file /usr/lib/nls/msg/en_US/acif.cat
36	Default message catalog not accessible. Check permissions
51	Length exceeds maximum
310	File format not valid

APK422S • APK423S

System action: ACIF terminates.

User response: Use the information provided in the return code to correct the problem.

System programmer response: No response is necessary.

APK422S AN ERROR OCCURRED WHILE ATTEMPTING TO READ "*dataset*" RETURN CODE *returncode*.

Explanation: An attempt to read a data set failed. This message is informational and further action takes place in higher level modules if required.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
32	ACIF message catalog not found in paths specified by NLSPATH environment variable. ACIF uses default message catalog file /usr/lib/nls/msg/en_US/acif.cat
36	Default message catalog not accessible. Check permissions
51	Length exceeds maximum
310	File format not valid

System action: ACIF terminates.

User response: Use the information provided in the return code to correct the problem.

System programmer response: No response is necessary.

APK423S AN ERROR OCCURRED WHILE ATTEMPTING TO WRITE "*dataset*" RETURN CODE *returncode*.

Explanation: An attempt to write a data set failed. This message is informational and further action takes place in higher level modules if required.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero or negative
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found

- 32 ACIF message catalog not found in paths specified by NLSPATH environment variable. ACIF uses default message catalog file `/usr/lib/nls/msg/en_US/acif.cat`
- 36 Default message catalog not accessible. Check permissions
- 51 Length exceeds maximum
- 310 File format not valid

System action: ACIF terminates.

User response: Use the information provided in the return code to correct the problem.

System programmer response: No response is necessary.

APK424I PARAMETER 'RESFILE=PDS' IS ONLY VALID UNDER MVS, DEFAULTING TO 'RESFILE=SEQ'.

Explanation: The supplied value for the **RESFILE** parameter is valid only for OS/390 and MVS; it is incorrect for the AIX, Windows NT®, VM, or VSE operating system.

System action: ACIF produces a sequential resource file.

User response: No response is necessary.

System programmer response: No response is necessary.

APK425S USER *type* EXIT program WAS NOT FOUND.

Explanation: The input, output, or resource user exit program named on the exit's DD parameter does not exist.

System action: ACIF terminates.

User response: Correct your exit program and resubmit the job.

System programmer response: No response is necessary.

APK426S PARAMETER MISMATCH: RESTYPE *type* SPECIFIED, BUT NO SUPPORTING LIBRARY DEFINITIONS WERE SUPPLIED.

Explanation: The resource type *type* was specified on the RESTYPE parameter, but no DD parameter for that resource type was supplied in the ACIF parameter file.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK427I AN ERROR OCCURRED WITH FILEDEF *filename*, RETURN CODE = rc, THE DEFAULT OF *filename filetype filemode* FOR *ddname* WILL BE USED.

Explanation: An incorrect *filename* was supplied. The defaults listed are used instead.

System action: ACIF continues.

User response: No response is necessary.

System programmer response: No response is necessary.

APK428S A resource HAS BEEN REQUESTED, BUT NO NAME WAS GIVEN.

Explanation: The resource listed in the message was requested to be handled by ACIF, but the name to get was not passed to ACIF. This condition is caused by an ACIF logic error.

System action: ACIF terminates.

User response: Contact IBM Service.

System programmer response: No response is necessary.

APK435W • APK441I

APK435W THE *ddname* DD STATEMENT SPECIFIED FOR *parameter* IS MISSING.

Explanation: An ACIF DD parameter specified a DD name that was not specified in the JCL (OS/390 or VSE) or FILEDEF statement (VM).

System action: ACIF terminates.

User response: Ensure that the ACIF parameter specifies a DD name that is defined in the job commands.

System programmer response: No response is necessary.

APK436S THE GROUPNAME VALUE *value* IS NOT WITHIN THE ALLOWABLE RANGE.

Explanation: ACIF processing has encountered the GROUPNAME parameter with an incorrect INDEX number specified. The INDEXn range is 1-8.

System action: ACIF terminates.

User response: Correct the resource and resubmit the job.

System programmer response: No response is necessary.

APK437S '(TYPE=FLOAT)' MAY NOT BE SPECIFIED FOR TRIGGER1.

Explanation: The 'TYPE=FLOAT' subparameter is not valid for TRIGGER1.

System action: ACIF terminates.

User response: Correct the parameter and rerun ACIF.

System programmer response: No response is necessary.

APK438S THE VALUE SPECIFIED FOR *parameter1* CONFLICTS WITH THE VALUE SPECIFIED FOR *parameter2*.

Explanation: The value specified for the first parameter conflicts with the value specified for the second parameter.

System action: ACIF terminates.

User response: Correct the parameters and rerun ACIF.

System programmer response: No response is necessary.

APK440I ACIF AT <APAR#> HAS COMPLETED NORMALLY WITH A RETURN CODE 0.

Explanation: ACIF processing has completed with a return code of zero. The message includes the current APAR number. For example: *ACIF at PQ63028 has completed normally with a Return Code 0.*

System action: This message is for information only.

User response: See any accompanying messages to determine a response.

System programmer response: No response is necessary.

APK441I ACIF AT <APAR#> HAS COMPLETED ABNORMALLY WITH A RETURN CODE 4.

Explanation: ACIF processing has completed with a return code of four. The message includes the current APAR number. For example: *ACIF at PQ63028 has completed abnormally with a Return Code 4.* A return code of four is a warning; processing continues.

System action: This message is for information only.

User response: See any accompanying messages to determine a response.

System programmer response: No response is necessary.

APK442S ACIF HAS BEEN INVOKED WITHOUT ANY PARAMETERS.

Explanation: ACIF needs a minimum number of parameters in order to function.

System action: ACIF terminates.

User response: Specify the INPUTDD, FORMDEF, CC, and PAGEDEF parameters.

System programmer response: No response is necessary.

APK443S A BEGIN COLUMN SPECIFICATION FOR FIELD_{*n*} IS <= 0. SUCH A SPECIFICATION IS ONLY VALID WHEN (BASE=TRIGGER) IS ALSO SPECIFIED.

Explanation: FIELD_{*n*} was specified with a column offset less than or equal to zero, but (BASE=TRIGGER) was not also specified. Negative column offsets in a FIELD specification are only valid when (BASE=TRIGGER) is also specified.

System action: ACIF terminates.

User response: Correct the the ACIF FIELD_{*n*} parameter specification and resubmit the job.

System programmer response: No response is necessary.

APK444S MULTIPLE COLUMNS WERE SPECIFIED FOR FIELD_{*n*} WHICH IS DEFINED WITH (BASE=TRIGGER). ONLY ONE COLUMN MAY BE SPECIFIED WHEN A FIELD IS DEFINED WITH (BASE=TRIGGER).

Explanation: FIELD_{*n*} was specified with multiple columns and (BASE=TRIGGER). Only one column can be specified for a field that is also specified with (BASE=TRIGGER).

System action: ACIF terminates.

User response: Correct the ACIF FIELD_{*n*} parameter specification and resubmit the job.

System programmer response: No response is necessary.

APK445S INDEX_{*n*} WHICH IS DEFINED AS EITHER (TYPE=PAGERANGE) OR (TYPE=GROUPRANGE) INCLUDES FIELD_{*n*} WHICH IS DEFINED AS (BASE=TRIGGER). THIS COMBINATION IS INVALID.

Explanation: INDEX_{*n*} was specified as (TYPE=PAGERANGE) or (TYPE=GROUPRANGE) and with a FIELD_{*n*} that was defined as (BASE=TRIGGER). This combination is not supported.

System action: ACIF terminates.

User response: Correct the ACIF parameters and resubmit the job.

System programmer response: No response is necessary.

APK446S USE OF FIELD_{*n*} BY INDEX_{*n*} IS INVALID. ONLY ONE FIELD IS ALLOWED IN AN INDEX DEFINED AS (TYPE=PAGERANGE) OR (TYPE=GROUPRANGE).

Explanation: More than one field was specified for INDEX_{*n*}, which is defined as either (TYPE=PAGERANGE) or (TYPE=GROUPRANGE). This is not valid.

System action: ACIF terminates.

User response: Correct the ACIF parameters and resubmit the job.

System programmer response: No response is necessary.

APK447S THE LENGTH, *length1*, OF OFFSET PAIR *pair* FOR FIELD_{*n*} DOES NOT EQUAL THE LENGTH, *length2*, SPECIFIED FOR FIELD_{*n*}.

Explanation: The length of a begin-end pair, specified by the offset keyword of a field, does not match the length of the field. This is not valid; the lengths must be equal.

System action: ACIF terminates.

APK448S • APK453S

User response: Correct the ACIF parameters and resubmit the job.

System programmer response: No response is necessary.

APK448S INDEXING WAS REQUESTED, BUT NEITHER 'TRIGGER n ' NOR ANY 'FIELD' WAS SATISFIED WITHIN THE PAGE RANGE SPECIFIED BY THE INDEXSTARTBY PARAMETER.

Explanation: Indexing was requested, but the first group INDEX satisfier was outside the range of pages specified in the INDEXSTARTBY parameter. A group INDEX is an index whose field or fields are based on a group or recordrange trigger.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK449S INDEX FIELDS REFERENCE OUTSIDE OF THE RECORD, FIELD# *number* INPUT RECORD# *number*

Explanation: The FIELD n value specified on the INDEX n parameter references an area that is outside the length of the requested record.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK450S A REQUIRED ACIF PARAMETER *parametername* WAS NOT FOUND IN THE PARAMETER FILE.

Explanation: A required ACIF parameter was not found in the parameter file.

System action: ACIF terminates.

User response: Add the missing parameter to the parameter file and resubmit.

System programmer response: No response is necessary.

APK451S FILE *action* ERROR DURING *ddname* PROCESSING. SVC 99 ERROR *error* INFORMATION CODE *code*.

Explanation: An error occurred during the allocation, concatenation, or outadd of AFP resource libraries.

System action: ACIF terminates.

User response: Inform your system programmer that this error occurred.

System programmer response: Use the return code and reason code to determine the cause of the error and information code; then, determine the appropriate response. Refer to your operating system's authorized assembler language programs document for information about the SVC 99.

APK452S A *trigger* NUMBER OF *number* IS INVALID FOR *parameter*.

Explanation: The trigger or record number specified in the FIELD n or INDEX n parameter is not valid.

System action: ACIF terminates.

User response: Triggers used in field definitions must be defined. Correct the parameter and rerun ACIF.

System programmer response: No response is necessary.

APK453S THE *fields* LENGTH OF *length* IS GREATER THAN THE ALLOWED MAXIMUM OF *maxlength*.

Explanation: The combined length of all of the FIELD n values on an INDEX n parameter is too long.

System action: ACIF terminates.

User response: Check the FIELD n and INDEX n parameters to find where this happens. Correct the parameter and resubmit the job.

System programmer response: No response is necessary.

APK454S A VALUE OF *value* IS INVALID FOR FIELD n .

Explanation: A FIELD n parameter value contains incorrect characters.

System action: ACIF terminates.

User response: Correct the parameter value and resubmit the job.

System programmer response: No response is necessary.

APK455S FIELD n USED BY INDEX n WAS NOT DEFINED.

Explanation: An INDEX n parameter referred to a FIELD n that was not defined in the parameter file.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK456S THE TRIGGER1 RELATIVE RECORD NUMBER IS NOT EQUAL TO ASTERISK.

Explanation: The record number associated with the TRIGGER1 parameter was not an asterisk.

System action: ACIF terminates.

User response: Correct the parameter and resubmit the job.

System programmer response: No response is necessary.

APK457S TRIGGER1 WAS NOT DEFINED, BUT SECONDARY TRIGGERS ARE PRESENT.

Explanation: TRIGGER1 must be specified if secondary TRIGGER n parameters are present.

System action: ACIF terminates.

User response: If no indexing is required, delete all TRIGGER n parameters from the parameter file; otherwise, supply a TRIGGER1 parameter for this run of ACIF.

System programmer response: No response is necessary.

APK458S A NON-LITERAL VALUE OF *value* HAS BEEN SUPPLIED FOR TRIGGER n .

Explanation: The supplied TRIGGER n value was not a literal.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK459S INDEX NEEDED FOR THE GROUPNAME WAS NOT FOUND.

Explanation: The index used for the GROUPNAME contained a field that was based on a floating trigger; however, the trigger was not found. Therefore, there is no value for the GROUPNAME. INDEX1 is used for the GROUPNAME by default.

System action: ACIF terminates.

User response: Use the GROUPNAME parameter to specify an index that does not contain a field based on a floating trigger.

System programmer response: No response is necessary.

APK460S TRIGGERS SATISFIED, BUT INDEXES WERE INCOMPLETE AT END-OF-FILE.

Explanation: The TRIGGER n parameters specified in the parameter file were met, but the end of the file was reached before the INDEX n parameters were located.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK461S TRIGGER SUPPLIED, BUT ALL INDEX VALUES WERE LITERALS.

Explanation: A value for TRIGGER n has been supplied, but all INDEX n values were literals.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK462S A TRIGGER PARAMETER WAS SPECIFIED, BUT THE INPUT FILE IS ALREADY INDEXED.

Explanation: The parameter file included a TRIGGER n parameter, but the input file contains indexing structured fields. ACIF cannot index a file that is already indexed.

System action: ACIF terminates.

User response: If you want to create an index object file for the input file, remove all TRIGGER n parameters from the ACIF parameter file and resubmit the job.

System programmer response: No response is necessary.

APK463S INDEX n USED BY THE GROUPNAME PARAMETER WAS NOT DEFINED OR WAS INVALID.

Explanation: The INDEX n specified by the GROUPNAME parameter was not defined or the index contained a field that was based on a floating trigger. When the GROUPNAME parameter is not used, INDEX1 is used by default.

System action: ACIF terminates.

User response: Correct the parameters and resubmit the job.

System programmer response: No response is necessary.

APK464S *token1* WAS SPECIFIED WHEN *token2* EXPECTED.

Explanation: The syntax of the parameter printed above this message was incorrect.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the value of the parameter and rerun ACIF.

APK465S INVALID TOKEN *token* RECEIVED.

Explanation: The token identified in the message was not expected in the parameter listed above the message.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the value of the parameter and rerun ACIF.

APK466S A SUB-PARAMETER OF *subparameter* IS NOT SUPPORTED ON THE *parameter* PARAMETER.

Explanation: The named sub-parameter is not supported on the parameter listed above the message.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the value of the parameter and rerun ACIF.

APK467S THE NUMBER *number* IS NOT SUPPORTED FOR *parameter*.

Explanation: An incorrect number was specified on a FIELD*n*, INDEX*n*, or TRIGGER*n* parameter keyword.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the parameter keyword so that the number is within the allowed range for that parameter and rerun ACIF.

APK468S THE INPUT BUFFER IS TOO SMALL FOR THE PARAMETER VALUE *value*.

Explanation: The named value was too long for the ACIF internal input buffer.

System action: ACIF terminates.

User response: Use your local problem reporting system to report the error.

APK469S THE LENGTH OF THE VALUE *value* EXCEEDS THE MAXIMUM ALLOWED LENGTH FOR THE *parameter* PARAMETER.

Explanation: The length of the named value exceeds the maximum length.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the value so that its length is within the maximum for that parameter and rerun ACIF.

APK470S WHICH BEGINS AT OFFSET *offset* FOR A LENGTH OF *length*.

Explanation: This message is issued following a message that contains the cause of the error.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the value so that its length is within the maximum for that parameter and rerun ACIF.

APK471S THE NUMBER OF FIELD VALUES ON THE INDEX PARAMETER EXCEEDED THE MAXIMUM ALLOWED.

Explanation: There were too many FIELD*n* values specified for the INDEX*n* parameter printed above this message.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Remove the extra FIELD*n* values from the INDEX*n* parameter and rerun ACIF.

APK472S THE NUMBER OF VALUES SPECIFIED FOR THE *parameter* PARAMETER EXCEEDED THE MAXIMUM ALLOWED.

Explanation: Too many values were specified for the named parameter.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Consult the ACIF manual for the maximum number of values for this parameter, correct the parameter, and rerun ACIF.

APK473S RECORDRANGE SUB-PARAMETER ALLOWED ONLY IF RECORD VALUE IS '*'.

Explanation: The RECORDRANGE sub-parameter is only valid on a TRIGGER*n* parameter if the record value was specified as '*'.

System action: ACIF terminates.

User response: Either specify an '*' for the record value or remove the RECORDRANGE sub-parameter from the TRIGGER parameter.

APK474S **END-OF-FILE ENCOUNTERED BEFORE CLOSING QUOTE FOUND FOR** *value*.

Explanation: The end of the parameter file was found before the closing quote for a literal value.

System action: ACIF terminates.

User response: Ensure the literal value is enclosed in quotes and rerun ACIF.

APK475S **THE HEX STRING** *hexstring* **IS NOT VALID.**

Explanation: The value specified was not a valid hex string.

System action: ACIF continues processing the parameter file, but does not process the report file.

User response: Correct the hex string and rerun ACIF.

APK476I **MESSAGE TEXT NOT AVAILABLE FOR MESSAGE NUMBER:** *number*

Explanation: ACIF attempted to write a message that is not defined in the message catalog.

System action: ACIF processing continues depending upon the significance of undefined message.

User response: Contact IBM service and inform them that ACIF attempted to write an undefined message. This situation should be corrected by IBM.

APK499S **INTERNAL ERROR in MODULE** *module* **AT FUNCTION** *function*.

Explanation: An internal error has occurred.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message. Make note of the module and function specified in the message.

APK532S **A resource WITH A MEMBER NAME** (*membername*) **WAS NOT FOUND OR WAS INVALID - RETURN CODE** *returncode*.

Explanation: The requested form definition, page definition, page segment, medium overlay, or setup file does not exist in any of the available paths.

Return Code

	Description
0	Successful
1	Permanent I/O error
2	Specified number of bytes is zero
3	Incorrect data buffer address
4	Address not word aligned
6	Incorrect FILE_CB@
7	Incorrect MODE parameter
8	Data record longer than LRECL or buffer
9	File is not supported type
10	Storage allocation/deallocation failed
11	Incorrect record number
12	End of file detected
13	Disk is full
14	RECFM not valid
20	Incorrect file ID
28	File not found
51	Length exceeds maximum
310	File format not valid

Reason Code

	Description
1	Resource name missing
2	File system open error

- 3 File system close error
- 4 File system read error
- 6 Resource type error
- 7 File system write error
- 8 Indexer error
- 9 Message write error

System action: ACIF terminates.

User response: Correct the parameters and rerun ACIF.

APK610I GTF RETURN CODE = *rc*.

Explanation: Generalized Trace Facility (GTF) has returned a nonzero return code from the GTRACE request. The return code *rc* and *error text* explain the error. The return codes and error text are:

RC	Error Text
04	Inactive OS/390 GTF
08	Incorrect length = xxxx
0C	Incorrect data address = xxxx
10	Incorrect FID = xx
14	Incorrect EID = xx
18	No GTF buffer space
1C	Incorrect parameter address = xxxx
20	Data paged out
xx	Unknown GTF return code

System action: The action depends on the return code; ACIF might or might not continue tracing. For return codes 18 and 20, GTF tracing continues. For the other return codes listed, GTF tracing stops. For unknown return codes, GTF tracing stops.

User response: No response is necessary.

System programmer response: Refer to your operating system's service aids logic documents for more information about the return codes.

APK900S MISSING DAT POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK901S MISSING FORMDEF POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK902S MISSING PAGEDEF POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

APK903S • APK909S

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK903S MISSING OBJECT STACK POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK904S MISSING CODE PAGE POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK905S MISSING FONT METRIC POINTER IN CCM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK906S UNEXPECTED OTHERWISE STATEMENT ENCOUNTERED.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK907S CCM CANNOT FIND REQUESTED MEDIUM MAP.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK908S CCM CANNOT FIND REQUESTED DATA MAP.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK909S CCM CANNOT FIND REQUESTED MEG.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK910S INPUT BIN LIST CHANGED DURING PROCESSING.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK911S DAT DID NOT SPECIFY ANY INPUT BIN INFORMATION.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK912S OVERLAY LOCAL ID HAS BEEN CHANGED IN LIST.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK913S STARTING COPY COUNT EXCEEDS TOTAL COPIES IN MM.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK914S CONDITIONAL PROCESSING INFORMATION PASSED TO CCM AT DOCUMENT INTERFACE BUT PAGEDEF DOES NOT REQUEST CONDITIONAL PROCESSING.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK915S ACIF REQUESTED CODE PAGE DEALLOCATION AS WELL AS CODE PAGE PROCESSING.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK916S ACIF REQUESTED ACTIVATION OF AN OUTLINE FONT CHARACTER SET, BUT DOES NOT SUPPORT OUTLINE FONTS.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK917S • APK2000S

APK917S ACIF REQUESTED ACTIVATION OF A FONT RESOURCE, BUT THE GLOBAL NAME WAS NOT PROVIDED OR HAD AN INCORRECT LENGTH.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK918S NO FREQUENT FONT TABLE OR FGID LOOK ASIDE TABLE WAS PROVIDED TO *modulename*.

Explanation: An internal error has occurred in ACIF.

System action: ACIF terminates.

User response: Contact IBM Service and inform them that you have received this message indicating an internal error.

APK919S THE CCM COMPONENT OF ACIF HAS USED UP ITS OBJECT STACK IN *modulename*.

Explanation: The CCM component of ACIF has run out of its object stack area. This could be a data stream error or a logic error. A begin structured field must have a matching end structured field following it in the data stream. If this requirement is not met, the CCM can run out of its object stack area.

System action: ACIF terminates.

User response: Check the data stream to make sure each begin structured field has a matching end structured field following it. If this is not true, correct the data stream and resubmit the job to ACIF. If the data stream meets the begin structured field requirement, this message indicates an internal logic error. Contact IBM Service and inform them that you have received this message indicating an internal error.

APK920S ALL THE INPUT BINS ON YOUR PRINTER ARE EITHER DISABLED OR ARE INSERTER BINS. PSF NEEDS TO SUBSTITUTE A BIN BUT NO BINS ARE AVAILABLE TO SUBSTITUTE.

Explanation: This abend is issued by module APKMSGEX. All bins reported back from the printer are either disabled or are inserter bins. As a result, there are no bins available for printing and the current data set cannot be printed.

System action: ACIF processing terminates abnormally.

APK921S NO RECORD LENGTH WAS PASSED TO CCM WHEN PROCESSING AN OBJECT CONTAINER RESOURCE.

Explanation: This abend is issued by module APRMSGEX. No record length was passed to CCM when processing an object container resource. This is a logic error.

System action: PSF attempts to recover from this abend by restarting. Message APS057I is issued if PSF successfully restarts.

System programmer response: This PSF abend reason code indicates a logic error. Contact your IBM Service Representative or use your electronic link with IBM service for assistance regarding this error code.

APK2000S THE REGISTERED OBJECT TYPE ID (*identifier*) OF AN OBJECT CONTAINER RESOURCE, NAME *resourcenname* OR OBJECT OID *objectoid*, IS NOT VALID OR IS NOT SUPPORTED BY PSF OR THE PRINTER.

Explanation: The registration ID specified for an object container is not supported by the printer. The registration ID is specified in the object classification triplet on an IOB, BOC, or BR structured field. A value of *** for the resource name or object OID means that it was not specified.

System action: PSF terminates the page or overlay. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the object container resource, ensure that the registration ID is

correct. If the registration ID is correct, submit the print job to a printer that supports this object type. For more information about what object types are supported by your printer, refer to your printer documentation.

System programmer response: If an IBM licensed program was used to create the structured fields, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2003S DATA IN AN INPUT RECORD OR RESOURCE IS INVALID: STRUCTURED FIELD *structuredfield* CONTAINED AN EXTENDED RESOURCE LOCAL IDENTIFIER VALUE THAT WAS USED IN A PREVIOUS STRUCTURED FIELD OF THE SAME TYPE.

Explanation: More than one structured field used the same Extended Resource Local Identifier value for different resources of the same type. The Extended Resource Local Identifier is specified by using the Extended Resource Local Identifier (X'22') triplet on the structured field. The structured field that attempted to use the same Extended Resource Local Identifier value is identified in the message.

System action: PSF stops processing the current data set and issues messages identifying the position of the structured field and the processing environment when the error was found.

User response: If you created the structured fields for the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2004S DATA IN A FORMDEF RESOURCE IS INVALID: MEDIA TYPE LOCAL IDENTIFIER IN MMC STRUCTURED FIELD, ID *identifier*, WAS NOT FOUND IN THE MMT STRUCTURED FIELD.

Explanation: The Media Type local ID in the Medium Modification Control (MMC) structured field was not present in the Map Media Type (MMT) structured field. The MMC and MMT structured fields are in the form definition.

System action: The form definition containing the error is not used, and one of the following occurs:

- If the error is in the default form definition, or a form definition specified for printing messages or separator pages, PSF is not started.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set; it tries to print the next data set.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2005S DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS NOT VALID: RECORD IDENTIFIER *identifier* COULD NOT BE FOUND WITHIN THE RCD STRUCTURED FIELDS.

Explanation: The record identifier specified in an input record could not be matched to a Record Descriptor (RCD) structured field in the current data map. The RCD structured field is in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

APK2006S DATA IN A PAGEDEF RESOURCE IS NOT VALID: GRAPHICS GENERATION WAS REQUESTED ON RCD STRUCTURED FIELD *structuredfield*, BUT THE PRINTER DOES NOT SUPPORT GRAPHICS OBJECTS.

Explanation: A Record Descriptor (RCD) structured field in a page definition has requested PSF to generate a graphics object from the line data, but the printer does not support graphics objects.

System action: PSF ignores the request and continues processing the data set.

User response: To print the data set and have PSF generate graphics objects, submit the print job to a printer that supports graphics objects. For more information about AFP printers that support graphics objects, refer to *Advanced Function Presentation: Printer Information*

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, delete the option from the page definition that requests that a graphics object be generated.

APK2007S DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE FIELD RCD POINTER VALUE IN RCD STRUCTURED FIELD NUMBER *number* WILL CAUSE AN INFINITE LOOP.

Explanation: The FIELD RECORD DESCRIPTOR POINTER parameter in the Record Descriptor (RCD) structured field identified in this message caused an infinite-loop condition. The RCD structured field is contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2008I DATA IN A PAGEDEF RESOURCE IS NOT VALID: RCD OR XMD STRUCTURED FIELD NUMBER *number* SPECIFIES A VALUE THAT IS NOT VALID AS A POINTER TO A FIELD RCD OR XMD. THE VALUE *rcdvalue*. THIS EXCEEDS THE LNC STRUCTURED FIELD COUNT VALUE OF *lncvalue*.

Explanation: The Record Descriptor (RCD) or XML Descriptor (XMD) structured field identified in this message specifies a value as a pointer to a Field RCD or XMD. The value specified is not valid. The value is greater than the

COUNT value in the Line Descriptor Count (LNC) structured field in the current data map. The LNC, RCD, and XMD structured fields are in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2009S DATA IN A PAGEDEF RESOURCE IS NOT VALID: RIGHT ALIGNMENT WAS REQUESTED ON RCD STRUCTURED FIELD *structuredfield*, BUT THE PRINTER DOES NOT SUPPORT RIGHT ALIGNMENT.

Explanation: A Record Descriptor (RCD) structured field in a page definition has requested that PSF right align a field from the line data, but the printer does not support the controls necessary for PSF to perform this function.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: To print the data set and have PSF right align fields, submit the print job to a printer that supports all four inline print directions and all four character rotations. For more information about inline print directions and character rotations supported by AFP printers, refer to *Advanced Function Presentation: Printer Information*.

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, delete the option from the page definition that requests that a field be right aligned.

APK2010S RECORD FORMATTING WAS REQUESTED BY THE PAGE DEFINITION BUT THAT FUNCTION IS NOT SUPPORTED BY THIS RELEASE OF PSF.

Explanation: The record formatting function is not supported by this release of PSF.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: To use the record formatting function, submit this job to a version of print PSF that supports record formatting.

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, remove this page definition and select one that does not use the record formatting function.

APK2011I DATA IN A PAGEDEF RESOURCE IS NOT VALID: DATA MAP *datamap1* AND DATA MAP *datamap2* ARE FOR PROCESSING DIFFERENT TYPES OF DATA. ALL DATA MAPS IN THE PAGE DEFINITION MUST SPECIFY THE SAME DATA FORMATTING.

Explanation: A page definition can only be used for one type of data. A single page definition cannot be used to mix the processing of traditional line data, record-format line data, and XML data.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

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System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2012S DATA IN A PAGEDEF RESOURCE IS NOT VALID: A NON-ZERO RECORD IDENTIFIER PARAMETER VALUE *value* WAS SPECIFIED IN RCD STRUCTURED FIELD NUMBER *number*.

Explanation: For Record Descriptor (RCD) structured fields that are marked as either a field or a conditional processing RCD, the RECORD IDENTIFIER parameter value must be all zeros. The RCD structured fields are in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2013S DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE SAME RECORD IDENTIFIER *identifier* WAS SPECIFIED IN RCD STRUCTURED FIELD NUMBERS *number1* AND *number2*. ALL RECORD IDENTIFIERS MUST BE UNIQUE IN THE SAME DATA MAP.

Explanation: With the exception of the default Page Header Record Descriptor (RCD) structured field, the default Page Trailer RCD structured field, Field RCD structured fields, and Conditional Processing RCD structured fields, all other RCD structured fields in a data map must have a unique record identifier parameter value specified.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2014I DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS NOT VALID: THE PAGE SIZE IS NOT LARGE ENOUGH TO PLACE THE FIRST RECORD OF THE PAGE BY USING RCD OR XMD STRUCTURED FIELD NUMBER *number* AND ITS ASSOCIATED FIELD RCD OR XMD STRUCTURED FIELDS.

Explanation: The Body Record Descriptor (RCD) or XML Descriptor (XMD) structured field selected for placing the first body record of the page does not fit within the area of the page defined by the bottom margin. If Field RCD or XMD structured fields are being used, one of the Field RCD or XMD structured fields might be positioning data beyond the bottom margin. This error prevents PSF from being able to place the record and continuing.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured

field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2015S DATA IN A PAGEDEF RESOURCE IS NOT VALID: AN RCD STRUCTURED FIELD SPECIFIED A GRAPHICS DESCRIPTOR TRIPLET TO END ALL STARTED GRAPHICS DESCRIPTOR TRIPLETS THAT HAVE A MATCHING GRAPHID PARAMETER VALUE *value*, BUT A MATCH COULD NOT BE FOUND.

Explanation: A graphics object can be started by one Record Descriptor (RCD) structured field and ended with another RCD structured field. When this is done, the Graphics Descriptor triplets that start and end a graphics object must have matching GRAPHID parameter values specified and the RCD structured fields must have matching orientations. PSF could not find a match between the start and end Graphics Descriptor triplets using the GRAPHID parameter from the end Graphics Descriptor triplet and the TEXT ORIENTATION parameter value from the RCD structured field.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2016S DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE USE RECORD IDENTIFIER FLAG WAS SET BUT THE SUM OF THE DATA START POSITION AND THE DATA LENGTH PARAMETER VALUES IN RCD STRUCTURED FIELD NUMBER *number* SELECTS DATA BEYOND THE RECORD IDENTIFIER FIELD.

Explanation: For Record Descriptor (RCD) structured fields that are marked to use only the record identifier portion of an input record, only the record identifier can be accessed by the RCD. The DATA START parameter plus the DATA LENGTH parameter of this RCD accesses data beyond the 10-byte record identifier area of the input record.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2017S DATA IN A PAGEDEF RESOURCE IS NOT VALID: A FONT IS NEEDED FOR AN RCD IN DATA MAP *datamap* BUT NO FONTS WERE MAPPED IN THE DATA MAP.

Explanation: Fonts needed for printing record-format line data must be selected in the data map. The CHARS JCL parameter cannot be used to select fonts. The data map identified in this message contained a Record Descriptor (RCD) structured field that requires a font, but no fonts were specified in the data map.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2018S DATA IN A PAGEDEF RESOURCE IS NOT VALID: RCD STRUCTURED FIELD *structuredfield* REQUESTED THAT THE PAGE NUMBER BE RESET, BUT THE PAGE NUMBER PARAMETER CONTAINS ZERO.

Explanation: The PAGE NUMBER parameter in a Record Descriptor (RCD) structured field cannot be zero when the RCD requests that PSF reset the page number.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2019S DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE FONT SELECTED FOR PRINTING THE PAGE NUMBER ON RCD OR XMD STRUCTURED FIELD NUMBER *number* CANNOT BE A DOUBLE-BYTE FONT WHEN USING THE ASCII ENCODING SCHEME.

Explanation: PSF cannot determine the correct code points to generate when a double-byte font is used to print the page number using the ASCII encoding scheme. The structured field identified in this message selected a double-byte ASCII font for printing the page number. This is not allowed.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK2020I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE OBJECT OID LENGTH SPECIFIED IN A FULLY QUALIFIED NAME TRIPLET ON A *structuredfield* STRUCTURED FIELD IS GREATER THAN 129 BYTES.

Explanation: An object OID being specified in a Fully Qualified Name triplet has a length that exceeds 129 bytes.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error

occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2021I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE *structuredfield* STRUCTURED FIELD CONTAINS UNPAIRED FQN X'BE' & FQN X'DE' TRIPLETS.

Explanation: If this is an Include Object (IOB) structured field, the Fully Qualified Name (FQN) triplet with an FQNType of Data Object Internal Resource Reference (X'BE') must immediately follow an FQN triplet with an FQNType of Data Object External Resource Reference (X'DE'). If this is a Map Data Resource (MDR) structured field, a repeating group with an FQN triplet type X'BE' must also include an FQN triplet type X'DE'.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the form definition with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 13, 15c, 17, 19.

APK2022I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: A RESOURCE NAMED AS A SECONDARY RESOURCE ON AN IOB STRUCTURED FIELD IS NOT NAMED IN THE ACTIVE ENVIRONMENT GROUP OF THE PAGE OR OVERLAY.

Explanation: An Include Object (IOB) structured field calls for a secondary resource. This resource must be named in an MDR in the active environment group of the page or overlay containing the IOB structured field.

System action: If the object is in a page, PSF terminates the page and continues processing the data set. If the object is in a resource, PSF stops processing and printing the data set.

User response: If you created the structured fields for the print data set or the resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or the resource, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error. If an IBM licensed program was used to create the

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structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page or for the message data set in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 2, 17.

APK2023I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE FORMAT SPECIFIED IN A FULLY QUALIFIED NAME TRIPLET ON A *structuredfield* STRUCTURED FIELD IS NOT VALID.

Explanation: The FQNfmt specified in a Fully Qualified Name (FQN) triplet on a structured field is not valid.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2024I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: A FULLY QUALIFIED NAME TRIPLET WITH A TYPE OF X'84' OR X'CE' WAS SPECIFIED ON AN MDR STRUCTURED FIELD IN AN OBJECT ENVIRONMENT GROUP.

Explanation: A Fully Qualified Name (FQN) triplet with an FQNType of Begin Resource Object Reference (X'84') or Other object Data Reference (X'CE') is not allowed on a Map Data Resource structured field in an Object Environment Group.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2025I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: MORE THAN ONE FULLY QUALIFIED NAME TRIPLET WAS SPECIFIED IN A REPEATING GROUP ON AN MDR STRUCTURED FIELD.

Explanation: Only one Fully Qualified Name (FQN) triplet with an FQNType of Begin Resource Object Reference (X'84'), Other Object Data Reference (X'CE'), or Data Object External Resource Reference (X'DE') can be specified in a repeating group.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2026I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE OBJECT CLASS SPECIFIED IN AN OBJECT CLASSIFICATION TRIPLET ON AN MDR STRUCTURED FIELD IS NOT VALID.

Explanation: The ObjClass specified in an Object Classification triplet on a Map Data Resource (MDR) structured field must be X'40' if the Fully Qualified Name triplet type in the repeating group is a Data Object External Resource Reference (X'DE'). The ObjClass specified must be X'01' if the Fully Qualified Name triplet type in the repeating group is an Other Object Data Reference (X'CE').

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2027I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: AN MDR STRUCTURED FIELD SPECIFIES THE SAME RESOURCE REFERENCE MORE THAN ONCE IN AN ENVIRONMENT GROUP.

Explanation: The same resource reference cannot be made in a Map Data Resource (MDR) structured field in an environment group.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set. If this error occurs in a resource environment group, PSF stops processing the resource environment group and continues processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2028I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: THE RESOURCE BEGINNING WITH THE *structuredfield* STRUCTURED FIELD CANNOT BE SENT TO THE PRINTER AS A HARD RESOURCE.

Explanation: Either the printer or your PSF does not support sending this resource to the printer before the page and treating it as a hard resource managed by PSF.

System action: PSF ignores this resource in the MDR and continues processing. PSF treats it as a soft resource each time it is included in a page or resource. A soft resource is sent to the printer each time it is included.

User response: None.

System programmer response: None.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

APK2029I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: OBJECT OID *objectoid1* DOES NOT MATCH THE OBJECT OID *objectoid2* SPECIFIED ON THE *structuredfield* STRUCTURED FIELD.

Explanation: The object OID specified on a structured field must match the object OID specified on the Map Data Resource (MDR) or Include Object (IOB) structured field that referenced it. A value of *** indicates an OID was not specified.

System action: PSF stops processing the current page. PSF attempts to find the end of the current page and to resume printing on the next page. If unable to find the end of the page, PSF stops printing the data set. If this error occurs in a resource, PSF stops processing the data set.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2030I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: A SECONDARY RESOURCE IS SPECIFIED ON AN IOB STRUCTURED FIELD THAT INCLUDES A BAR CODE OR GRAPHICS OBJECT.

Explanation: A Fully Qualified Name (FQN) triplet of type Data Object External Resource Reference (X'DE') is specified on an Include Object (IOB) structured field that is including a bar code or graphics object. Secondary resources are not allowed for these objects.

System action: The secondary resource reference is ignored and processing continues.

User response: If you created the structured fields for the print data set or resource, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the correct format of the referenced structured field. If the structured field is correct, the error might be a PSF logic error. If you used a program to create the structured fields for the print data set or resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the print data set or the resource with the error, verify that the input to that program was valid. If the input was valid, refer to your system's diagnosis reference for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

Problem determination: Items 1, 2, 3, 13, 15c, 17, 19.

APK2032I DATA IN PAGEDEF RESOURCE *pagedef* IS NOT VALID: THE RESOURCE BEGINNING WITH THE *structuredfield* STRUCTURED FIELD CANNOT BE SENT TO THE PRINTER AS A HARD RESOURCE.

Explanation: Either the printer or your PSF does not support sending this resource to the printer before the page and treating it as a hard resource managed by PSF.

System action: PSF ignores this resource in the MDR and continues processing. PSF treats it as a soft resource each time it is included in a page or resource. A soft resource is sent to the printer each time it is included.

User response: None.

System programmer response: None.

Operator response: If you see this message on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Contact your system programmer.

APK2033I THE BAR CODE DATA OR BAR CODE DATA PLUS THE ADDITIONAL 2D BAR CODE PARAMETERS EXCEED THE OUTPUT COMMAND BUFFER.

Explanation: Either the bar code data itself or the bar code data plus the macro control block data specified for a 2D bar code exceeds the size of the output command buffer. The macro control block data is specified in your page definition as part of the BCXPARMS (additional bar code parameters).

System action: PSF issues this message and continues processing.

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User response: Change the amount of data specified for your bar code or reduce the amount of data in the macro control block.

System programmer response: None.

Operator response: None.

APK2039I DATA IN AN INPUT RECORD OR RESOURCE IS NOT VALID: A DUPLICATE FINISHING OPERATION WAS FOUND IN THE *mapname* MEDIUM MAP.

Explanation: The same finishing operation was specified more than once in a medium map. This nesting of the same finishing operation is not allowed. The Media Finishing Control (MFC) structured field is in a form definition or an internal medium map in the print data set.

System action: If the error is in a resource, the resource is not used, and one of the following occurs:

- If the error is in the default form definition, or a form definition specified for printing messages or separator pages, PSF is not started.
- If the error is in a form definition specified on the user's OUTPUT JCL statement, PSF cannot begin printing the data set and tries to print the next data set.
- If the error is in the print data set, PSF stops processing the data set.

PSF issues a message identifying the position of the structured field in the input data stream or resource. PSF issues additional messages identifying the processing environment in which the error occurred.

User response: If you created the structured fields for the form definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the form definition, contact your system programmer.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2040I THE NUMBER OF MEDIA COLLECTION FINISHING NESTING LEVELS IS MORE THAN 4.

Explanation: A maximum of four levels of nesting is allowed for media collection finishing. The Medium Finishing Control (MFC) structured field can be contained in a form definition or internal medium map in a page.

System action: PSF stops processing the data set.

User response: If you created the form definition or internal medium map, you must remove one or more levels of media collection finishing operations. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. Resubmit the print request. If the total number of nesting levels is less than or equal to four, the error might be a PSF logic error.

System programmer response: If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page or the message data set in the PSF startup procedure. Inform your system programmer.

APK2041I DATA IN AN INPUT RECORD OR PAGEDEF RESOURCE IS NOT VALID: INPUT DATA BEING USED FOR A VARIABLE RESOURCE NAME IN LND OR RCD STRUCTURED FIELD *number* IS DOUBLE BYTE DATA.

Explanation: A Resource Object Include triplet or an Extended Resource Local ID triplet on a Line Descriptor (LND) or Record Descriptor (RCD) structured field requests that the input data for the resource name is included. This input data cannot be double-byte data.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2042I DATA IN A PAGEDEF RESOURCE IS NOT VALID: AN XML PAGE DEFINITION REQUESTED THAT THE INPUT DATA BE USED FOR A RESOURCE NAME ON XMD STRUCTURED FIELD NUMBER *number*.

Explanation: An Object Reference Qualifier (ORQ) triplet has been specified on an XML Descriptor (XMD) structured field.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the resource, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field has no error, the error might be a PSF logic error. If you used a program to create the structured fields for the resource, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the resource with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page or for the message data set in the PSF startup procedure. Inform your system programmer.

APK2043I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE ATTRIBUTE XMD POINTER VALUE IN XMD STRUCTURED FIELD NUMBER *number* WILL CAUSE AN INFINITE LOOP.

Explanation: The Attribute XML Descriptor Pointer value in the XML Descriptor (XMD) structured field identified in this message caused an infinite loop condition. The XMD structured field is contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* and *Advanced Function Presentation: Programming Guide and Line Data Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2044I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE FIELD XMD POINTER VALUE IN XMD STRUCTURED FIELD NUMBER *number* WILL CAUSE AN INFINITE LOOP.

Explanation: The Field XML Descriptor Pointer value in the XML Descriptor (XMD) structured field identified in this message caused an infinite loop condition. The XMD structured field is contained in the page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2045I THE ENCODING SCHEME SPECIFIED IN A PAGE DEFINITION USED TO PROCESS XML DATA IS NOT SUPPORTED BY PSF.

Explanation: The encoding scheme specified is not supported by PSF.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: You need to use an encoding scheme that is supported by PSF for XML data processing. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2046I XML DATA FORMATTING WAS REQUESTED BY THE PAGE DEFINITION BUT THAT FUNCTION IS NOT SUPPORTED BY THIS RELEASE OF PSF.

Explanation: The XML data formatting function is not supported by this release of PSF.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: To use the XML data formatting function, submit this job to a version of PSF that supports XML data formatting.

System programmer response: If the page definition is for a separator page, the message data set, or the default page definition for the user print data sets defined in the PSF startup procedure, remove this page definition and select one that does not use the XML data formatting function.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2047I DATA IN A PAGEDEF RESOURCE IS NOT VALID: DATA MAP *datamapname1* AND DATA MAP *datamapname2* HAVE DIFFERENT ENCODING SCHEMES SPECIFIED FOR THE USER DATA. ALL DATA MAPS IN THE PAGE DEFINITION MUST SPECIFY THE SAME ENCODING SCHEME.

Explanation: All the data maps in a page definition used to process XML data must use the same encoding scheme for the user data.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2048I DATA IN AN INPUT RECORD IS NOT VALID: A DTD DECLARATION AT CHARACTER COUNT NUMBER *number* IS SPECIFIED OUTSIDE OF A DTD.

Explanation: A document type definition (DTD) declaration is only allowed inside a DTD. The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2049I DATA IN AN INPUT RECORD IS NOT VALID: THE XML COMMENT SYNTAX AT CHARACTER COUNT NUMBER *number* IS NOT VALID.

Explanation: After an XML comment has been started, you can only use two dashes in a row when ending a comment. The character count number specified in the message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance

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in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2050I DATA IN AN INPUT RECORD IS NOT VALID: THE XML END TAG AT CHARACTER COUNT NUMBER *number* DOES NOT MATCH THE LAST START TAG.

Explanation: An XML end tag must exactly match its start tag. The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2051I DATA IN AN INPUT RECORD IS NOT VALID: THE END OF A DOCUMENT TYPE DECLARATION AT CHARACTER COUNT NUMBER *number* IS NOT THE CORRECT SYNTAX.

Explanation: The end of a document type declaration (DTD) did not have the correct syntax. The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2052I DATA IN AN INPUT RECORD IS NOT VALID: THE CHARACTER CODE AT CHARACTER COUNT NUMBER *number* IS NOT A VALID VALUE FOR A CHARACTER REFERENCE.

Explanation: A character code inside a character reference is not one of the allowed values. The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2053I DATA IN AN INPUT RECORD IS NOT VALID: THE ENTITY AT CHARACTER COUNT NUMBER *number* IS NOT DEFINED IN THE DOCUMENT TYPE DEFINITION.

Explanation: PSF only allows internal general entity references, which must be defined in an internal document type definition (DTD). The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2054I DATA IN AN INPUT RECORD IS NOT VALID: THE CHARACTER IN A TAG NAME AT CHARACTER COUNT NUMBER *number* IS NOT VALID.

Explanation: A character in an XML tag name is not valid. The character count number specified in this message is relative to the start of the record.

System action: PSF stops processing the current data set and issues a message identifying the position of the error in the data stream. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the XML data, correct the error and resubmit the print request. Refer to the XML specification Extensible Markup Language (XML) 1.0, on the World Wide Web Consortium Web site. If the XML data does not have an error, the error might be a PSF logic error. If you used a program to create the XML data, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the XML data with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that PSF cannot be initialized or cannot print error messages. Inform your system programmer.

APK2055I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE ENCODING SCHEME IDENTIFIER FOR THE USER DATA IS NOT SPECIFIED IN THE ENCODING SCHEME TRIPLET ON THE BDM STRUCTURED FIELD.

Explanation: The Encoding Scheme Identifier for User Data (ESidUD) is missing on the Encoding Scheme triplet (X'50') on a Begin Data Map (BDM) structured field. This information is required when processing an XML page definition.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: You need to provide the encoding scheme for the user data. Refer to *Advanced Function Presentation*:

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Programming Guide and Line Data Reference and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2056I DATA IN A PAGEDEF RESOURCE IS NOT VALID: THE SAME QUALIFIED TAG WAS SPECIFIED IN XMD STRUCTURED FIELD NUMBERS *number1* AND *number2*. ALL QUALIFIED TAGS MUST BE UNIQUE IN THE SAME DATA MAP.

Explanation: All XML Descriptor (XMD) structured fields in a data map must have a unique qualified tag specified; with the exception of these types of XMD structured fields:

- Default Page Header
- Default Page Trailer
- Field
- Conditional Processing
- Attribute

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the page definition, correct the error and resubmit the print request. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

APK2057I DATA IN A PAGEDEF RESOURCE IS NOT VALID: RELATIVE INLINE POSITIONING ON AN XMD STRUCTURED FIELD CAN ONLY BE USED TO PLACE TEXT DATA.

Explanation: A Resource Object Include, Extended Resource Local ID, Bar Code Symbol Descriptor, or Graphics Descriptor triplet is specified on an XML Descriptor (XMD) structured field that uses relative inline positioning. You must use absolute inline positioning when including a page segment, overlay, or object with an XMD structured field. You must also use absolute inline positioning when generating a bar code or graphics object with an XMD structured field.

System action: PSF stops processing the current data set and issues additional messages that identify the processing environment when the error was found.

User response: You need to change your inline positioning to an absolute value. Refer to *Advanced Function Presentation: Programming Guide and Line Data Reference* and *Data Stream and Object Architectures Mixed Object Document Content Architecture Reference* for more information about the structured field. If the structured field does not have an error, the error might be a PSF logic error. If you used a program to create the structured fields for the page definition, contact your system programmer.

System programmer response: If an IBM licensed program was used to create the structured fields for the page definition with the error, verify that the input to that program is valid. If the input is valid, refer to *PSF for OS/390*

and z/OS: *Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

Operator response: If this message displays on the operator's console, it indicates that the resource containing the error is defined for a separator page, for the message data set, or as the default resource for user print data sets in the PSF startup procedure. Inform your system programmer.

| **APK2105I THE DATA STREAM IS MISSING STRUCTURED FIELD** *structured field*.

| **Explanation:** The Begin Named Group (BNG) structured field must have a matching End Named Group (ENG) structured field. However, an (ENG) structured field is missing from the data stream. Therefore, the indexing created for the data set might not be valid.

| **System action:** None.

| **User response:** If you created the data stream, each BNG structured field in the data stream must have a matching ENG structured field. Check the data stream to ensure that it meets this requirement. If it does not meet the requirement, correct the data stream.

| If the data stream is correct, this error code indicates a logic error. Contact your IBM Service Representative or use your electronic link with IBM service for assistance regarding this error code.

| **System programmer response:** If an IBM licensed program was used to create the data stream with the error, verify that the input to that program was valid. If the input was valid, see PSF for z/OS: *Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the "User Response" section to correct the error.

APK3506I DATA OBJECT RESOURCE TYPE *objectid* **COULD NOT BE FOUND IN THE RESOURCE LIBRARY.**

Explanation: The registration ID (object-type OID) for the specified data object resource cannot be read from the resource library. Only objects with valid data object resource names or resource locator names are supported by ACIF. The registration ID is specified in the object classification triplet on an IOB, BOC, BR, or MDR structured field. If the *objectid* specified in this message is ***, ACIF either does not support the registration ID or does not have enough information to identify the *objectid*.

System action: If this error is encountered when processing a Resource Environment Group (REG), PSF skips over this particular data object resource and tries to process any other resources specified in the REG. If this error is encountered while processing a page or overlay object, PSF terminates the page or overlay object. PSF attempts to locate the end of the current page and resume processing on the next page. If the end of the current page cannot be located, PSF stops printing the data set. PSF issues additional messages that identify the processing environment when the error was found.

User response: If you created the structured fields for the data object resource, ensure that the registration ID is correct. If the registration ID is correct, submit the print job to a printer that supports this object type. For more information about what object types are supported by your printer, refer to your printer documentation.

System programmer response: If an IBM licensed program was used to create the structured fields, verify that the input to that program was valid and the correct printer is being used. If the input was valid, refer to *PSF for OS/390 and z/OS: Diagnosis* for assistance in determining the source of the problem. If the error involves separator pages or the message data set, use the information provided in the User Response section to correct the error.

APK3507I DATA OBJECT RESOURCE TYPE *objectid* **COULD NOT BE FOUND IN THE RESOURCE LIBRARY. THIS OBJECT IS NOT REQUIRED FOR PRINTING AND IS SKIPPED.**

Explanation: The data object resource type specified could not be activated by the printer. The printer does not know about this data object resource; however, this object is not required for printing this document. PSF records this condition and continues. It is likely that the print file was formatted for a color printer that supports color profiles but is being printed on a printer that does not support these color profile objects. It is also possible that the *objectid* was specified incorrectly. If the *objectid* specified in this message is ***, ACIF does not have enough information to identify it.

System action: PSF records this condition and then continues processing.

User response: If the printed output is not acceptable, choose a printer that knows the object OIDs that are specified

in this print file, correct the object OID, or reformat this print file for the printer on which this print file is being printed.

System programmer response: Verify that the formatting options at the time the print file is produced are compatible with the printer on which this print file is printing. Correct any mismatches.

Part 5. Structured APIs messages

Chapter 10. Introduction to messages for the structured APIs

Structured APIs provide customer applications in CICS, IMS™, TSO, and batch environments with the ability to invoke the following server functions.

Table 4. Server functions and their descriptions

Function	Description
LOGON	Establishes a connection to the OnDemand library server. After a successful logon, the server returns a list of authorized folders that can be accessed by a specific user.
FOLDER OPEN	Identifies the folder name to be processed by subsequent search and retrieve requests.
HIT LIST	Requests that the OnDemand server return a list of items that match the user-supplied search criteria.
RETRIEVE	Retrieves a document from an OnDemand archive.
LOGOFF	Allows users to log off from an OnDemand server.
RELEASE	Frees storage areas that are used in the execution of the LOGON, FOLDER OPEN, HIT LIST, and RETRIEVE functions.

Chapter 11. Structured APIs messages

The structured APIs return informational and error messages in field CS-Message of the common structure, which is defined in the sample copybook ARSZDCWS. Messages that indicate function-related conditions can be up to 160 bytes in length. Messages that indicate data-related conditions contain criteria field names, values, and the reason that they might be invalid.

9101 Undefined function

Explanation: The value in CS-Request is not recognized.

User response: Correct the specified request.

9102 Failed to get 32-bit Internet address

Explanation: The interface program was unable to convert the IP address to its internal format. Verify that the IP address was entered correctly. If the IP address is correct, this message might indicate an installation problem.

User response: Notify the Report Administrator.

9103 Get stream socket failed

Explanation: The interface program was unable to open a socket in TCP/IP. This message might indicate a TCP/IP setup problem.

User response: Notify the Report Administrator.

9104 Error connecting to server

Explanation: The interface program was unable to connect to the mid-tier server. This message can indicate that the mid-tier server is not active or that the port number which was specified for the mid-tier server is incorrect.

User response: Verify that the mid-tier server is active, and correct the IP address and port number. If the problem persists, notify the Report Administrator.

9105 Error sending Common Structure

Explanation: The interface program cannot send the Common Structure to the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9106 Error sending Logon Structure

Explanation: The interface program cannot send the Logon Structure to the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9107 Error sending Search Criteria Structure

Explanation: The interface program cannot send the Search Criteria Structure to the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9108 Error sending Retrieve document

Explanation: The interface program was unable to send the Retrieve Document Structure to the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9109 Error receiving Folder List

Explanation: The interface program cannot receive the Folder List Structure from the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9110 Error receiving Folder Criteria

Explanation: The interface program cannot receive the Folder Criteria Structure from the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9111 Error receiving Hit List

Explanation: The interface program cannot receive the Hit List Structure from the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9112 Error receiving Document

Explanation: The interface program cannot receive the Document Structure from the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9113 Error receiving the Common Structure

Explanation: The interface program cannot receive the Common Structure from the mid-tier server. This message indicates a probable logic problem.

User response: Contact your IBM service representative.

9114 Error freeing memory pointed to by pFolderList

Explanation: The RELEASE request to free the Folder List Structure failed. This error is usually due to an inadvertent overlay of the structure.

User response: Review the application program for possible storage overlay.

9115 Error freeing memory pointed to by pFolderCriteria

Explanation: The RELEASE request to free the Folder Criteria Structure failed. This error is usually due to an inadvertent overlay of the structure.

User response: Review the application program for possible storage overlay.

9116 Error freeing memory pointed to by pHitList

Explanation: The RELEASE request to free the Hit List Structure failed. This error is usually due to an inadvertent overlay of the structure.

User response: Review the application program for possible storage overlay.

9117 Error freeing memory pointed to by pDocument

Explanation: The RELEASE request to free the Document Structure failed. This error is usually due to an inadvertent overlay of the structure.

User response: Review the application program for possible storage overlay.

9118 No hits found for *connection_id*

Explanation: The HIT LIST request did not result in any hits that met the search criteria.

User response: Change the search criteria and retry the HIT LIST request.

9119 No match found for *connection_id*

Explanation: The FOLDER OPEN request did not find the requested folder name in the active folder list.

User response: Correct the folder name to match an entry in the folder list.

Note: If the OnDemand server is operating in OnDemand Version 2 Compatibility mode with a Version 2 server, verify that the Folder List Limit value is large enough to return all of the available Version 2 folders and the requested Version 7 folders.

9120 Error freeing memory pointed to by pNote

Explanation: The RELEASE request to free the annotations list structure failed. This error is usually due to an inadvertent overlay of the structure.

User response: Review the application program for possible storage overlay.

9121 Error sending Retrieve Note Structure

Explanation: The interface program cannot send the annotations structure to the mid-tier server. Probable logic problem.

User response: Notify OnDemand for z/OS support.

9122 Error sending Retrieve Note Structure

Explanation: The interface program cannot receive the annotations list structure from the mid-tier server. Probable logic problem.

User response: Notify OnDemand for z/OS support.

9123 "ODFolder.recreateHit Failed for" connectID

Explanation: The mid-tier server must use the "ODHITObject" to access the ODWEK Java™ APIs in order to complete the RETRIEVE or ANNOTATIONS request. This message documents the failure of the "ODFolderRecreateHIT" request issued by the mid-tier to recreate the "ODHITObject".

User response: Notify OnDemand for z/OS support.

9124 "No notes found for" connectID

Explanation: The mid server received a "no notes" response to a request to retrieve notes for a document.

User response: Review the application program to make sure that the HL-NotesIndicator for the document has a non-zero value.

9125 "Invalid segment requested"

Explanation: The Mid Server determined the segment requested is greater than the number of segments in the document.

User response: Change the application program to not request a segment greater than the segment count.

Part 6. XML messages

Chapter 12. Introduction to XML messages

OnDemand includes an XML interface for importing data into, and exporting data from, an OnDemand system. This interface gives user applications and Web interfaces the ability to create an XML file and import a single object or multiple objects into the system. Similarly, objects currently in an OnDemand system can be exported to an XML file and then later imported back into the same system or into another OnDemand system.

The XML messages in this section are associated with the `arsxml` command line routine, which can be used to:

- Import data in an OnDemand XML file into an OnDemand system
- Update data in an OnDemand system
- Delete data from an OnDemand system
- Export data from an OnDemand system

Chapter 13. XML messages

XML messages can occur for a variety of reasons. These reasons include, but are not limited to, the following:

- To present information (such as `arsxml` command syntax, a progress indicator, and so on)
- To prompt the user for information
- To indicate that the input XML file does not conform to the OnDemand XML schema
- To indicate that an error occurred during processing of the `arsxml` command

ARS7700I

Usage: `java arxml add | update | delete | export [options]`

Version: *version*

Explanation: This message displays the syntax of the `arsxml` command.

User response: Informational; no action is required.

ARS7701I

Usage: `java arxml export [options]`

Version: *version*

Options:

- h *hostname* Host name (required).
- u *username* OnDemand user name for logging in.
- p *password* Password for the specified user name.
- e *err* Error handling value (default is 'a').
 - a Stop processing if an error is encountered.
 - c Continue processing if an error is encountered.
- r *ext* Export extent value (can be specified more than once).
 - d Export dependent objects.
 - p Export permissions.
 - l Export logical views.
- d *directory* Directory for the input XML file.
- i *file* Input XML file.
- y *directory* Directory for the output XML file.
- o *file* Output XML file.
- w *encode* Output XML file encoding value (default is 'UTF-8').
- v Enable verbose mode.

Explanation: This message displays the usage of the `arsxml` export command.

User response: Informational; no action is required.

ARS7702I

Usage: `java arxml add | update | delete [options]`

Version: *version*

Options:

- h *hostname* Host name (required).
- u *username* OnDemand user name for logging in.
- p *password* Password for the specified user name.
- d *directory* Directory for the input XML file.
- i *file* Input XML file (required).
- e *err* Error handling value (default is 'a').

ARS7703I • ARS7710I

- a Stop processing if an error is encountered.
- c Continue processing if an error is encountered.
- u If an object already exists, update it instead of adding it.
- v Enable verbose mode.
- x Disable Prompting

Explanation: This message displays the usage of the `arsxml add | update | delete` command.

User response: Informational; no action is required.

ARS7703I Finished processing file *inputFile*.

Explanation: This message indicates that OnDemand finished processing the specified file.

User response: Informational; no action is required.

ARS7704I Export process completed.

Explanation: This message indicates that an export operation completed.

User response: Informational; no action is required.

ARS7705I No input file was specified. Do you want to export all of the objects on the system? (Y/N)

Explanation: Because no input file was specified, OnDemand assumes that you want to export **all** of the objects on the system. This message prompts you to confirm this assumption.

User response: Type Y to continue and export all of the objects on the system; type N to stop the export operation.

ARS7706I Export process stopped at the user's request.

Explanation: The export operation was stopped in response to a negative (N) response to message 7705.

User response: Informational; no action is required.

ARS7707I

The *objectType* object named '*objectName*' is about to be deleted.
Do you want to delete this object? (Y/N)

Explanation: The command prompts for a confirmation before deleting an object.

User response: Specify Y to delete the object or N to keep the object.

ARS7708I Delete stopped at the user's request

Explanation: This message is displayed if the user replies negatively to message 7707.

User response: No action is required.

ARS7709I Adding *objectType*, *objectName*

Explanation: This message displays the progress during an import operation.

User response: Informational; no action is required.

ARS7710I Updating *objectType*, *objectName*

Explanation: This message displays the progress during an update operation.

User response: Informational; no action is required.

ARS7711I **Deleting** *objectType, objectName*

Explanation: This message displays the progress during a delete operation.

User response: Informational; no action is required.

ARS7712I **Exporting** *objectType, objectName*

Explanation: This message displays the progress during an export operation.

User response: Informational; no action is required.

| **ARS7713I** **Add of** *objectType, objectName* **was successful.**

| **Explanation:** This message is displayed after a successful import operation.

| **User response:** Informational; no action is required.

| **ARS7714I** **Update of** *objectType, objectName* **was successful.**

| **Explanation:** This message is displayed after a successful update operation.

| **User response:** Informational; no action is required.

| **ARS7715I** **Delete of** *objectType, objectName* **was successful.**

| **Explanation:** This message is displayed after a successful delete operation.

| **User response:** Informational; no action is required.

| **ARS7716I** **Export of** *objectType, objectName* **was successful.**

| **Explanation:** This message is displayed after a successful export operation.

| **User response:** Informational; no action is required.

ARS7720E **Invalid option specified,** *-option*

Explanation: An invalid option was passed to the `arsxml` command.

User response: Validate the input options to the `arsxml` command.

ARS7721E **Value missing or invalid for the** *-option* **option.**

Explanation: The specified option requires a value.

User response: Update the option list to include a value for the specified option.

ARS7722E **Input file name was not specified.**

Explanation: An input XML file is required for the specified action.

User response: Specify the input XML file using the `-i` option.

ARS7723E **Host name was not specified.**

Explanation: An OnDemand host name is required.

User response: Specify the OnDemand host name using the `-h` option.

ARS7724E • ARS7732E

ARS7724E Invalid error handling value specified, *value*. Valid values are 'a', 'c', and 'u'.

Explanation: An invalid error handling value was specified.

User response: Update the argument list to include an error handling value of 'a', 'c', or 'u'.

ARS7725E Invalid action value specified, *value*. Valid values are 'add', 'update', 'delete', and 'export'.

Explanation: An invalid action value was specified.

User response: Update the argument list to include an action value of 'add', 'update', 'delete', or 'export'.

ARS7726E The error handling option 'u' can only be used with an action of 'add'.

Explanation: The error handling option cannot be specified for this action.

User response: Correct the error handling option, -e, to specify a valid value for the action.

ARS7727E An exception occurred during execution, *error=errorMsg*.

Explanation: An exception occurred during the processing of the arsxm1 command.

User response: See the error message for additional information about the exception.

ARS7728E Unable to set encoding value, *value*.

Explanation: The specified encoding value is not supported by the arsxm1 command.

User response: Correct the encoding option, -w, to specify a supported encoding value.

ARS7729E The output file, *outputFile*, could not be written to.

Explanation: The output file could not be written to.

User response: Verify that the user has permission to write to the specified output file and directory.

ARS7730E The input file, *inputFile*, was not found.

Explanation: The input file was not found.

User response: Validate the file name specified for the input file option, -i, and validate the directory name specified for the input directory option, -d.

ARS7731E Unable to read input stream, *errorMsg*.

Explanation: An error occurred when attempting to read an input value provided by the user.

User response: See the error message for additional information about the error.

ARS7732E A parsing error occurred in file *inputFile*, Line *lineNumber*, Column *columnNumber*: *errorMsg*.

Explanation: An error occurred while parsing the input file.

User response: The input OnDemand XML file contains a syntax error and needs to be modified. The error message contains more information about the type of error. The most common errors include:

- Missing double quotes around attribute values, for example `timeOut=30` should be specified as `timeOut="30"`.
 - Incorrect uppercase or lowercase specified for a keyword, for example `timeout="30"` should be `timeOut="30"`.
 - A missing end of object tag, for example `<node ...>` should be `<node ... />`
-

ARS7733E A parsing error occurred in file *inputFile: errorMsg*.

Explanation: An internal error occurred while parsing the input file.

User response: The error message contains more information.

ARS7734E *objectType* attribute must be specified for the *objectName* object.

Explanation: A required attribute was not specified.

User response: Update the input XML file to specify the required attribute.

ARS7735E *objectType1* and *objectType2* attributes cannot both be specified for the *objectName* object.

Explanation: More than one mutually-exclusive attribute was specified.

User response: Update the input XML file to specify only one of the attributes.

ARS7736E A value must be specified for either *objectType1* or *objectType2* for the *objectName* object.

Explanation: One of the listed attribute values must be specified.

User response: Update the input XML file to specify one of the attributes.

ARS7737W The *attributeType* attribute of the *objectType* object cannot be updated.

Explanation: An attempt was made to update an attribute that cannot be updated by OnDemand.

User response: Remove the attribute from the input XML file.

ARS7738E The *attributeValue* value of the *objectType* attribute is not valid for this operating system.

Explanation: An attempt was made to add or update an attribute value that is not supported on this operating system.

User response: Remove the attribute from the input XML file, or change the value of the attribute to a supported value.

ARS7739E The *attributeName* attribute of the *objectType* object is not valid for this operating system.

Explanation: An attempt was made to add or update an attribute value that is not supported on this operating system.

User response: Remove the attribute from the input XML file.

ARS7740E The *attribute1* attribute cannot have a value of *value1* when the *attribute2* attribute has a value of *value2*.

Explanation: An attempt was made to add or update an attribute value that is not valid for the current object.

User response: Remove the attribute from the input XML file, or change the value of the attribute to a supported value.

ARS7741E The *attribute1* attribute value of the *objectType* object is not valid when the *attribute2* attribute has a value of *attributeValue*.

| **Explanation:** An attempt was made to add or update an attribute that is not valid for the current object.

User response: Remove the attribute from the input XML file, or change the value of the attribute to a supported value.

ARS7742E • ARS7750E

ARS7742E The *objectType* object cannot be added because there are already *maxNumber* objects associated with the parent object.

Explanation: An attempt was made to add an object to an object that already has the maximum number of children.

User response: Remove one of the existing child objects before attempting to add a new child object.

ARS7743E An *objectType* object named *objectName* already exists.

Explanation: An attempt was made to add an object that already exists.

User response: Remove the specified object from the input XML file.

ARS7744E An *objectType* object named *objectName* does not exist.

Explanation: An attempt was made to delete, update, or export an object that does not exist.

User response: Verify that the specified object exists, or remove the object from the input file.

ARS7745E The *objectType* object named '*objectName*' could not be added because that object is already being processed.

Explanation: A dependent object cannot be added because it is already being processed.

User response: Check the XML file to verify that the object contains the correct references. In some cases, it may be necessary to remove a reference from the file and then, after processing the file, update the object with the appropriate reference.

ARS7746W The *objectType* object cannot be updated.

Explanation: An attempt was made to update an object that cannot be updated by OnDemand.

User response: Remove the object from the input XML file.

ARS7747E The *objectType* object cannot be processed on this operating system.

Explanation: An attempt was made process an object that is not valid for the operating system.

User response: Remove the object from the input XML file.

ARS7748E The name *objectName* for the *objectType* is not valid or is a reserved word.

Explanation: An attempt was made process to add or update an object with a name attribute which is invalid or a reserved word.

User response: Provide a different name for the object.

ARS7749E The *childObjectType* object cannot be added to the *parentObjectType* object named '*parentObjectName*'.

Explanation: An attempt was made to add an object that is not valid for the parent object.

User response: Remove the object from the input XML file, or change the parent to a supported value.

ARS7750E The *attributeName* attribute has a value of *value*, but must be greater than or equal to *minValue*.

Explanation: A value was entered which is lower than the minimum required value.

User response: Specify a value which is larger than or equal to the minimum required value.

-
- | **ARS7751E** The *objectType* object cannot be deleted from the *parentObjectType* object named *parentObjectName*.
- | **Explanation:** An attempt was made to delete an object that cannot be deleted from OnDemand.
- | **User response:** Remove the object from the input XML file.
-
- | **ARS7752W** The attribute value of '*_ALL*' can not be used when adding a *objectType* object.
- | **Explanation:** An attempt was made to add an object which contains the reserved word "*_ALL*" which is not a supported value.
- | **User response:** Remove the object from the input XML file.
-
- | **ARS7753E** The *objectType* object named *objectName* can not be added because it does not contain any valid field objects.
- | **Explanation:** An attempt was made to add an object which does not contain a required child object.
- | **User response:** Remove the object from the input XML file.
-
- | **ARS7754E** Permissions can not be added to the *objectType* object named '*objectName*' because the authority is set to '*authorityValue*'.
- | **Explanation:** An attempt was made to add permissions to an object which does not have access authority.
- | **User response:** Remove the object from the input XML file.
-
- | **ARS7755E** The *childObjectName* object named '*childObjectType*' can not be updated unless the parent object is also being updated.
- | **Explanation:** An attempt was made to update a child object during an add.
- | **User response:** Remove the object from the input XML file or modify the XML file to update the parent object.
-
- | **ARS7756E** The *childObjectName* object named '*childObjectType*' can not be deleted unless the parent object is being updated.
- | **Explanation:** An attempt was made to delete a child object during an add operation.
- | **User response:** Remove the object from the input XML file or modify the XML file to update the parent object.
-
- | **ARS7757E** The *ObjectName* object named '*ObjectType*' can not be deleted.
- | **Explanation:** An attempt was made to delete a system defined object.
- | **User response:** Remove the object from the input XML file.
-
- | **ARS7758E** The *attributeName* attribute has a value of '*value*', but cannot be longer than *maxLength* characters.
- | **Explanation:** The value you entered is longer than the allowable string length for the field.
- | **User response:** Specify a string value which is shorter than or equal to the maximum allowed length.
-
- | **ARS7759E** The *attributeName* attribute has a value of *value*, but must be less than or equal to *maxValue*.
- | **Explanation:** The value you entered is greater than the maximum required value.
- | **User response:** Specify a value which is less than or equal to the maximum required value.
-

ARS7760E • ARS7769E

| ARS7760E **The *attributeName* attribute has a value of *value*, but must be less than *maxValue*.**

| **Explanation:** The value you entered is greater than the maximum required value.

| **User response:** Specify a value that is smaller than or equal to the maximum required value.

| ARS7761E **Add of *objectType*, *objectName* failed.**

| **Explanation:** This message is displayed after a failed import operation.

| **User response:** This is an informational message.

| ARS7762E **Update of *objectType*, *objectName* failed.**

| **Explanation:** This message is displayed after a failed update operation.

| **User response:** This is an informational message.

| ARS7763E **Delete of *objectType*, *objectName* failed.**

| **Explanation:** This message is displayed after a failed delete operation.

| **User response:** This is an informational message.

| ARS7764E **Export of *objectType*, *objectName* failed.**

| **Explanation:** This message is displayed after a failed export operation.

| **User response:** This is an informational message.

| ARS7765E **The value, *attrValue*, is not valid for the *attrName* attribute of the *objectType* object.**

| **Explanation:** An invalid value was specified for the attribute.

| **User response:** Update the XML file with a valid value for the attribute.

| ARS7766E **The *objectType* named *objectName* is about to be deleted. Warning: Data previously loaded in the application cannot be retrieved or viewed if the application is deleted. Do you want to delete this object? (Y/N)**

| **Explanation:** The command prompts for a confirmation before deleting an application.

| **User response:** Enter a Y or an N to confirm or reject the delete of the application.

| ARS7767E **The folder field object requires zero or *numberOfMappings* mappings to the application group *appGroupName* when the mappingType is set to *mappingType*.**

| **Explanation:** An incorrect number of mappings was specified for a folder field.

| **User response:** Update the XML file to contain the correct number of mappings.

| ARS7768E **The *attrName* attribute is not valid when the folder field is mapped to an application ID field.**

| **Explanation:** A comparison operator was used. It is not valid when the field is mapped to an application ID field.

| **User response:** Update the XML file to remove the specified operator.

| ARS7769E **All of the *objType* objects can not be deleted from the *parentType* object.**

| **Explanation:** An attempt was made to delete all the objects. At least one object must be present.

| **User response:** Update the XML file to so all of the objects are not deleted.

-
- | ARS7770E **The *fieldtype1* field cannot be mapped to the *fieldtype2* field. The *fieldtype2* field has a data type of *dataType2* and the *fieldtype1* field has a data type of *dataType1*.**
- | **Explanation:** A mapping was attempted between two fields that are of different data types.
- | **User response:** Correct the mapping object to reference a field of the correct data type.
-
- | ARS7771E **All comparison operators are set to 'No'. At least one comparison operator must be set to 'Yes'.**
- | **Explanation:** All comparison operators specified were disabled.
- | **User response:** Update the XML file to add at least one comparison operator.
-
- | ARS7772E **No comparison operators were set to 'Default'. At least one comparison operator must be set to 'Default'.**
- | **Explanation:** No comparison operators were selected as the default operator.
- | **User response:** Update the XML file to set at least one operator to the value of 'Default'.
-
- | ARS7773E **The *dateType* value of *value* is invalid. The *dateType* must be in the form of *format*.**
- | **Explanation:** An invalid Date or Time value was specified.
- | **User response:** Change the specified value to match the given format.
-
- | ARS7774E **The *dataType* value of *value* is invalid or does not conform to the System Settings for *dataType* values.**
- | **Explanation:** An invalid Date or Time value was specified.
- | **User response:** Change the specified value to match the system format.
-
- | ARS7775E **An error occurred while executing the JAVA command: *command***
- | **Explanation:** An error occurred while trying to call the Java routine.
- | **User response:** Make sure that all of the required Java files are properly installed.
-
- | ARS7776E **The *appName* application can not contain index parameters when the value of the *indexer* attribute is *indexerType*.**
- | **Explanation:** The application cannot contain index parameters.
- | **User response:** Update the XML file to remove the index parameters from the application.
-
- | ARS7777E **Starting arxml. Version: *Version* Command Line: *commandLine***
- | **Explanation:** This message displays a start message.
- | **User response:** No action is required.
-
- | ARS7778E **The input file, *inputFile*, is not valid or contains invalid characters.**
- | **Explanation:** The input file is not in a valid format.
- | **User response:** Validate that the input file is specified correctly and does not contain any invalid characters for the specified encoding.
-
- | ARS7779E **The *objectType* named *objectName* is about to be deleted. *numDocs* documents are loaded in the application group. Do you want to delete this object? (Y/N)**
- | **Explanation:** The command prompts for a confirmation before deleting an application group.
- | **User response:** Enter a Y or an N to confirm or reject the delete of the application group.

ARS7780E • ARS7788E

-
- | **ARS7780E** The *attrName* attribute value was changed from *oldValue* to *newValue* for consistency.
- | **Explanation:** The attribute was changed from the specified value before processing the object.
- | **User response:** No action is required.
-
- | **ARS7781E** A *fieldType objectType* field has already been defined.
- | **Explanation:** A field of this type is already defined.
- | **User response:** Remove the field, or modify it to remove the duplication.
-
- | **ARS7782E** The *fieldInfo* object cannot be added because the *objectName, userName, does not have userGroupFields* enabled for this folder.
- | **Explanation:** The field information cannot be created.
- | **User response:** Add a permission object for the user with the *userGroupFields* attribute enabled.
-
- | **ARS7783E** The *attributeName* attribute has a value of *value*, but must be less than or equal to the *maxAttrName* attribute which has a value of *maxValue*.
- | **Explanation:** A value was entered which is greater than the maximum required value.
- | **User response:** Specify a value which is less than or equal to the maximum required value.
-
- | **ARS7784E** The *attributeName* attribute has a value of *value*, but must be less than the *maxAttrName* attribute which has a value of *maxValue*.
- | **Explanation:** A value was entered which is greater than the maximum required value.
- | **User response:** Specify a value which is smaller than the maximum required value.
-
- | **ARS7785E** The *attributeName* attribute has a value of *value*, but must be greater than or equal to the *minAttrName* attribute which has a value of *minAttrName*.
- | **Explanation:** A value was entered which is lower than the minimum required value.
- | **User response:** Specify a value which is larger than or equal to the minimum required value.
-
- | **ARS7786E** The *attributeName* attribute has a value of *value*, but must be greater than the *minAttrName* attribute which has a value of *minAttrName*.
- | **Explanation:** The value you entered is lower than the minimum required value.
- | **User response:** Specify a value which is larger than or equal to the minimum required value.
-
- | **ARS7787E** A value of '*attrValue*' for the *objectType* attribute is not valid for this server.
- | **Explanation:** An attempt was made to add or update an attribute value that is not supported on this server.
- | **User response:** Remove the attribute from the input XML file, or change the value of the attribute to a supported value.
-
- | **ARS7788E** The *attribute* attribute of the *objectType* object is not valid for this server.
- | **Explanation:** An attempt was made to add or update an attribute that is not supported on this server.
- | **User response:** Remove the attribute from the input XML file.

Part 7. Hints and tips

Chapter 14. Troubleshooting scenarios

Incorrect code page conversion of AFP to line data

Symptom

AFP data is displayed incorrectly by the CICS client.

Possible causes

You are affected by this problem if you are trying to view AFP data from a CICS client, and the application was added with a version of OnDemand after 2.2.1.9 and before 7.1.0.10. AFP data viewed by the CICS client is incorrectly converted from code page 1208 to code page 500. The correct conversion is from code page 850 to code page 500.

Action

After you install the 7.1.0.10 PTF, you must delete the application that is defined for the AFP data, and then add it back to the server. You can save a copy of the application and use it to create the new application, so that the parameters do not have to be entered again. You can correct the problem by using the OnDemand administrative client and following these steps:

1. Start the OnDemand administrative client and logon to the server where the AFP data is loaded.
2. Make a temporary copy of the application group that contains the AFP data.
3. Make a temporary copy of the application that contains the AFP data using the original application. Assign the temporary application to the temporary application group.
4. Delete the original application.
5. Make a copy of the temporary application and assign it to the original application group.
6. Delete the temporary application group.
7. Logon to the CICS client to view the data. See the online help in the OnDemand administrative client for more information on these steps.

Cannot read AFP documents in Internet Explorer 6.0

Symptom

Internet Explorer 6.0 fails to render AFP to HTML converted pages.

Possible causes

The enhanced security in Internet Explorer 6.0 no longer allows a browser page to run an applet or JavaScript to retrieve and display pages that do not come from the original page. In Content Manager OnDemand Web Enablement Kit, the applet comes from the mid-tier server and attempts to display a page from the local cache. Internet Explorer 6.0 considers this a security violation, even if the applet that issues the request is signed.

Action

Add the site from where the applet is originated to the list of trusted sites or intranet sites (whichever is relevant) in Internet Explorer 6.0. To add to the list of trusted sites:

1. Start Internet Explorer 6.0.
2. From the Tools menu, select **Internet Options**.
3. Click **Security**.
4. Select **Trusted Sites** from the list of zones.
5. Click **Sites**.
6. Type the relevant site URL in the Add this Web site to the zone field. If the site is not https://, then clear the Require server verification (https:) for all sites in this zone check box.
7. Click **Add**.
8. Click **OK**.
9. Close Internet Explorer.

Note: Adding to the list of intranet sites is similar, except after Step 4 above, there is an intermediate dialog box, with an **Advanced** button. Clicking **Advanced** yields the same dialog box as in Step 5 above, and the remaining steps are the same.

Unable to initialize PDF document from OnDemand Windows client

Symptom

Trying to view a PDF document from the OnDemand Windows client results in an "Unable to Initialize Document" or "Failure to Initialize Document" message.

Possible causes

The client was unable to start the Adobe Acrobat reader. The most common cause of this problem is an incorrect key value in the Windows registry.

Action

To correct the registry key's value:

1. Using Notepad, create a .reg file that contains these lines:

```
[HKEY_CLASSES_ROOT\AcroExch.Document\DefaultIcon]
@="C:\\Program Files\\Adobe\\Acrobat 6.0\\Acrobat\\Acrobat.exe,1"
```

Note: If Adobe Acrobat Reader is installed in a different directory than C:\\Program Files\\Adobe\\Acrobat 6.0\\Acrobat\\, modify the second line to reflect the actual path.

2. Save the .reg file.
3. Double-click the .reg file to merge this key into the Windows registry.
4. Restart the OnDemand Windows client.

ARSLOAD fails to start

Symptom

The OnDemand Load Data Service (ARSLOAD) fails to start.

Possible causes

Your server is affected by this problem if the OnDemand Load Data service (ARSLOAD) was created by an OnDemand Version 7.1.0.6 or earlier Windows server, and you have configured the service to automatically load data into an instance that is not named ARCHIVE.

Action

Make sure that your OnDemand instance is named ARCHIVE.

Note: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

ARSLOAD: Unable to establish connection

Symptom

Attempting to run the ARSLOAD command results in a "connection cannot be established" error even though the server is up and the correct host name was specified for the -h parameter.

Possible cause

If you specified only the -h parameter, the name of the default instance must be archive and you must be using the default port number (1445). This error can occur if the default instance is not archive or you are not using port 1445.

Action

Use the -I parameter to specify the instance in the following cases:

- The name of the default instance is not archive.
- You are using a port number other than 1445.
- You are running more than one instance on the same workstation and you want to process an instance other than the default instance.
- You are running ARSLOAD from an object server that resides on a different system or node than the library server.

Note: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

ARSLOAD error when loading report from spool

Symptom

When attempting to load a report from spool with the following JCL:

```
//ARSLOAD EXEC PGM=ARSLOAD,REGION=0M,  
// PARM=('/-A JOBNAME -uadmin -ppassword -v -C F  
//      -g "ClaseU" -f -c/u/u1/ctemp ')  
//STEPLIB DD DISP=SHR,DSN=ARS.V710.SARSLOAD  
//      DD DISP=SHR,DSN=SYS1.DSN610M.SDSNEXIT  
//      DD DISP=SHR,DSN=DSN610M.SDSNLOAD  
//      DD DISP=SHR,DSN=APK.ACIF.ONDE.SAPKMOD1  
//SYSPRINT DD SYSOUT=*  
//SYSOUT DD SYSOUT=*
```

This ARSLOAD error occurs:

The application >< does not exist within the application group >ClaseU<

Possible cause

If you use the -g option to specify an application group, ARSLOAD is unable to determine the application or application group from the spool file. The -G and -A options are ignored. As a result, ARSLOAD tries to perform a load to application group ClaseU, with no application specified, and it fails.

Action

Use "-G WRITER -W CLASEU -A JOBNAME, and have the jobs specify a writer name of CLASEU, for example:

```
PARM=('/-G WRITER -W CLASEU -A JOBNAME -v -f')
```

Important: This action requires that you define each job name as an application.

Note: This section applies to DB2 Content Manager OnDemand for z/OS and OS/390 only.

ARSLOAD not loading from HFS directory

Symptom

ARSLOAD will not load from the HFS directory (/ars/upload) specified in the following JCL statement excerpt:

```
//ARSLOAD ...  
// PARM=('-h ARCHIVE -C A -d /ars/upload')
```

Possible cause

The -C and -d parameters are mutually exclusive. If the -C parameter is specified, ARSLOAD will attempt to load from spool and will not monitor the directory specified by the -d parameter.

Action

Remove the -C parameter from the JCL statement excerpt so that it looks like this:

```
//ARSLOAD ...  
// PARM=('-h ARCHIVE -d /ars/upload')
```

Note: This section applies to DB2 Content Manager OnDemand for z/OS and OS/390 only.

ARSLOAD unable to store data to cache

Symptom

In an environment with two object servers and a storage set that is defined with a load type of local, the following error occurred:

```
x087770@njros1ud202[/home/x087770] /usr/lpp/ars/bin/arsload -nfv  
-hnjros1ud199 -u... -gAH115 -aAH115DCK /ODDownload/AH115DCK.RPT  
OnDemand Load Id = 5013-8-0-8FAA-12041-12041  
Loaded 616 rows into the database  
Document compression type used - 0D77. Bytes Stored = 42406<
```

```
arsload: 01/30/03 14:02:54 Loading completed
arsload: Processing successful for file /odarsacif/acf1/AH115DCK.RPT<
An unexpected error occurred. Contact your System Administrator and/or
consult the System Log. File=arsadmin.c, Line=121
```

```
arsload: Unable to log load information
arsload: Processing has stopped. The remaining files will NOT be processed.
```

Possible causes

It is incorrect to define a storage set with a load type of local for the System Log application.

Action

If your system does not use Tivoli Storage Manager, you should assign the System Log application group to a cache-only storage set on the library server, or specify a load type of Fixed on the object server.

Note: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

LOADEXIT error for DB2 subsystem occurs during otherwise successful ARSLOAD

Symptom

When running ARSLOAD, the load portion appears to work, however, there are errors referencing DB2 subsystem DSN and it should be DSNNA. The error message is similar to the following:

```
Allocation of connection handle failed
LOADEXIT entry print_error rtn
LOADEXIT SQLSTATE: 58004
LOADEXIT Native Error Code: -99999
LOADEXIT buffer: {DB2 for OS/390}{ODBC Driver} SQLSTATE=58004 ERRLOC=2
CAF "CONNECT" failed using DB2 system:DSN
RC=0c and REASON=00f30006
```

```
>
LOADEXIT exit print_error rtn
Loaded 1 rows into the database
Document compression type used - 0D77. Bytes Stored = >9999<
arsload: 01/01/04 12:00:00 Loading completed
arsload: Processing successful for file >/ars/tmp/HLQ.SYSTEM.LLQ
```

Possible causes

The ARSLOAD JCL is missing a DSNAOINI DD.

Action

Review the ARSLOAD JCL that you submitted to be sure the DSNAOINI DD is properly specified. The LOADEXIT processing that is failing exists to insert rows in the proper ODF tables. These row insertions are to notify ODF when the report has successfully stored and is ready for distribution, should it be part of a distribution.

Check whether the DSNAOINI DD is defined. It should be the same as what you have in the ARSSOCKD job and point to the cli.ini for ODBC. If you have the DSNAOINI defined, be sure it is correctly directed to the proper ODBC parameter file.

If you do not use ODF, you should rename the ARSULOAD exit in /usr/lpp/ars/bin/exits so it is not executed during report loading with ARSLOAD. The arsuload exit is only necessary for ODF. Rename the exit to arsuload.bak if the exit exists and you do not have ODF installed.

Note: Depending on your installation, this problem can reference incorrect DB2 subsystems other than DSN.

ARSADMIN fails when attempting to run from USS

Symptom

Attempting to run the OnDemand ARSADMIN program from Unix System Services (USS) fails with the message: "arsadmin: FSUM7351 not found".

Possible causes

A link is required to run ARSADMIN from USS. It is possible that the link does not exist.

Action

Make sure that the link exists: look for an external link to ARSADMIN from /usr/lpp/ars/bin. It will look like this:

```
0D39090:/usr/lpp/ars/bin: >ls -l arsadmin
erwxrwxrwx 1 root root 8 Oct 15 2001 arsadmin -> ARSADMIN
```

Your SARSLOAD PDS will need to be part of STEPLIB, for example:

```
0D39090:/usr/lpp/ars/bin: >echo $STEPLIB
ARSV710.ODMP710.SARSLOAD:DB2.V6R1M0.DSNA.SDSNEXIT:DB2.V6R1M0.SDSNLOAD
```

Instructions for creating the link

If you do not have an external link to ARSADMIN from /usr/lpp/ars/bin, the ARSISMKD job did not run. This job creates the links in /usr/lpp/ars/bin for ARSLOAD and other executables, and directories needed by SMP. The ARSISMKD sample job is in SARSINST. Refer to the section "Allocate SMP/E Target and Distribution Libraries and Paths" in *Program Directory for IBM Content Manager OnDemand for z/OS and OS/390*.

Reminder: PTFs that change ARSISMKD or the REXX EXEC that it invokes (ARSMKDIR) also have a ++HOLD ACTION, which indicates that the ARSISMKD job must be run again.

Note: This section applies to DB2 Content Manager OnDemand for z/OS and OS/390 only.

ARSADMIN fails with unload [options] syntax

Symptom

When attempting to execute ARSADMIN with the following batch JCL:

```
//ARSLOAD EXEC PGM=ARSADMIN,REGION=0M,TIME=NOLIMIT,  
// PARM=('unload -L 5039-2-0-1FAA-8778-8778 -g DLQCY2 '  
//STEPLIB DD DISP=SHR,DSN=SYS1.ONDEMAND.SARSLOAD  
//SYSPRINT DD SYSOUT=X,HOLD=YES  
//SYSOUT DD SYSOUT=X,HOLD=YES
```

This message occurs:

```
Usage: arsadmin unload [options]  
Version: 7.1.0.5  
unload Unload a LoadId from OnDemand  
-g <name> Application Group Name  
-h <hostname> OnDemand Hostname  
-p <passwd> OnDemand User Login Password  
-u <userid> OnDemand User Login Name  
-L <load_id> LoadId to delete from OnDemand  
-Q Continue if unable to find LoadId in System Log
```

Possible cause

The -h parameter is missing from the PARM section of the JCL statement. (Unlike ARSLOAD, the -h parameter is required with ARSADMIN.)

Action

Add the -h parameter to the JCL statement. Here is some sample JCL for invoking ARSADMIN from a batch job:

```
//OD39090M JOB (TSS40000), 'name',MSGCLASS=1,CLASS=A,  
//          MSGLEVEL=(1,1),NOTIFY=OD39090  
//PROCESS  OUTPUT  DEFAULT=YES,CLASS=*,JESDS=ALL,OUTDISP=HOLD  
//*****  
//STEP1    EXEC PGM=ARSADMIN,REGION=0M,  
// PARM='unload -g gname -h ARCHIVE -L 5324-56-0-53FAA-0-0  
//          -u OD39090 -p password'  
//STEPLIB  DD DISP=SHR,DSN=ARSV710.ODMP710.SARSLOAD  
//SYSPRINT DD SYSOUT=*  
//SYSOUT   DD SYSOUT=*
```

Note: This section applies to DB2 Content Manager OnDemand for z/OS and OS/390 only.

Informational messages appear in MVS SYSLOG instead of OnDemand system log

Symptom

The message ARS0082I, among others, is showing up on the MVS SYSLOG instead of in the OnDemand system log folder hitlist.

Action

Check the following items:

- The ars.cache file identified by **SRVR_SM_CFG** in ars.ini. Is the directory (or directories) specified in ars.cache writable by ARSSOCKD?

- Any error messages showing up in the MVS SYSLOG after restarting ARSSOCKD and generating a message that shows up in the MVS SYSLOG, but not in the OnDemand system log folder (for example, directory permission or database authorization errors).
- The /etc/resolv.conf to ensure all parameters are specified correctly. This problem can occur if the DNS name in /etc/resolv.conf is incorrect.

The DB2 log is full

Symptom

The archive log directory for DB2 is full. It has no more space to write the log data to the predefined log directory, and trying to use the db2uexit.disk (or db2uext2.disk) to copy online archived log files from the primary log file directory to the archive log file directory does not seem to work. In this case, you cannot connect to the database.

Action

Try running ARSDB -y or ARSDB -z to backup the database. If the backup completes, with a return code of 0, the ARSDB removes to unneeded archive log files. If the archive file system is full, then the db2uext2.disk cannot copy files from the primary log. Be sure that the database backups are running and ending with RC=0.

Here is the way that logging works:

1. If the backup returns a Return Code = 0, then the ARSDB program or the ars_db script removes log files from the archive log. If the archive log files are not removed after a backup, then the backup did not give an RC=0.
2. The function of db2uext2.disk or db2uext2.tsm is to copy files from the primary log to the archive log.
3. After the primary log files are copied to the archive log and no applications is attached to a primary log, the DB2 database manager removes the log file or clears the file and reuses it.

As shown, the db2uext2 does not remove any log files. The main function of this exit is to copy log files from the primary to the archive log.

If the problem is with the user exit, then check the /tmp or /arstmp directories for the exit log file. Look for /arstmp/db2uext2.err. If the user exit has a return code higher than 8, it shuts down and does not run again until DB2 is restarted.

SMP/E apply job results in GIM23911E message

Symptom

Performing an SMP/E APPLY CHECK received return code 04, then return code 08. The SMP/E apply job resulted in the following message:

```
GIM23911E **LINK-EDIT PROCESSING FOR SYSMOD UQXXXXX FAILED FOR MODULE ARSXXX
THE RETURN CODE (12) EXCEEDED THE ALLOWABLE VALUE.
DATE...
```

Later in the linkage edit section, the following message occurred:

```
IEW2606S 4B39 MODULE INCORPORATES PROGRAM MANAGEMENT 3 FEATURES
AND CANNOT BE SAVED IN LOAD MODULE FORMAT
```

Possible causes

This problem is caused by using a partitioned data set (PDS) other than PDSE for certain libraries, most likely, SMPLTS.

Action

Change the allocation of the library. The *Program Directory for IBM Content Manager OnDemand for z/OS and OS/390* states that the library type for certain libraries that are used by OnDemand should be defined as PDSE. These libraries include:

- AARSOBJ1
- SARSDFS
- SARSLOAD
- SMPLTS

Member ARSBALLO in the SARSINST library AARSOBJ1 should be allocated as "DSNTYPE=LIBRARY".

Note: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

Other SMP/E tips

Other SMP/E tips for OnDemand include:

- Use FORFMID(XXX) for apply.
- Resolve all ++HOLD system actions after the apply process.
- Refresh LLA when necessary.
- Reapply customization to user exits if the supplied source code is changed.

Attempting to stop DB2 results in SQL1035 message

Symptom

Attempting to stop DB2 Universal Database by using the OnDemand command `arsdb -h` results in an SQL1035 "Database in use" message.

Possible causes

This problem can occur if an OnDemand database table is damaged.

Action

Review the `db2diag.log` file for the following type of message:

```
2001-12-12-09.39.02.760439 Instance:archive Node: 000
PID:24832(db2agent (ARCHIVE)) Appid:*LOCAL.archive.011212143855
buffer_pool_services sqlbrdpg Probe:1141 Database:ARCHIVE
DIA3726C An invalid page checksum was found for page " ".
ZRC=FFFFE119
```

where ZRC refers to a damaged OnDemand database table.

To recover, restore the OnDemand database table from a good backup, and then roll forward.

Note: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

Chapter 15. PDF indexer trace facility

An enhanced tracing capability for the PDF indexer is now available. The tracing capability provides assistance to users who are attempting to debug problems, such as when the system fails during the indexing and loading of PDF documents.

To trace or debug a problem with the PDF indexer, the following are required:

- The parameter file, which specifies the fields, triggers, indexes and other indexing information
- The PDF input file to process

The parameter file and PDF input file can be processed by running the PDF indexer from the command line. For example:

```
arspdoci parmdd=filen.parms inputdd=filen.pdf outputdd=filen.out indexdd=filen.ind  
tracedd=filen.trace
```

where

arspdoci

Name of the command-line version of the PDF indexer program

parmdd=

Specifies the name of the input file that contains the indexing parameters

inputdd=

Specifies the name of the PDF input file to process

outputdd=

Specifies the name of the output file that contains the indexed PDF documents created by the PDF indexer

indexdd=

Specifies the name of the output file that contains the index information that will be loaded into the database

tracedd=

Specifies the name of the output file that contains the trace information

See also: See your DB2 Content Manager OnDemand Indexing Reference for more information about the parameters that may be specified when running the ARSPDOCI program.

After you run the PDF indexer with the trace, the output file that is specified by the tracedd=parameter contains detailed information about the processing that took place and where the PDF indexer is failing during the process. The trace information identifies whether a trigger was not found, a field was not found, the PDF data was corrupted, there was a problem extracting a PDF page from the document, or even if there was not enough memory or disk space to complete the required operations. The following is an example of the trace information that may be generated by the PDF indexer.

```
COORDINATES=IN  
ARSPDOCI completed code get_keyword <-----  
ARSPDOCI completed code get_keyword 003 ----->  
TRIGGER1=UL(7.00,0.25),LR(7.70,0.57),*, 'Page: '  
ARSPDOCI completed code get_keyword <-----  
ARSPDOCI completed code get_keyword 003 ----->
```

```

ARSPDOCI completed code parse_trigger <-----
ARSPDOCI completed code parse_quoted_parm <-----
ARSPDOCI completed code parse_quoted_parm 001 ----->
ARSPDOCI completed code parse_trigger 001 ----->
FIELD1=UL(7.00,0.48),LR(7.90,0.77),0,(TRIGGER=1,BASE=0)
ARSPDOCI completed code get_keyword <-----
ARSPDOCI completed code get_keyword 003 ----->
ARSPDOCI completed code parse_field <-----
ARSPDOCI completed code parse_subfields <-----
ARSPDOCI completed code get_keyword <-----
ARSPDOCI completed code get_keyword 003 ----->
ARSPDOCI completed code get_keyword <-----
ARSPDOCI completed code get_keyword 003 ----->
ARSPDOCI completed code parse_subfields 001 ----->
ARSPDOCI completed code parse_field 001 ----->
FIELD2=UL(6.11,1.39),LR(7.15,1.57),0,(TRIGGER=1,BASE=0)
ARSPDOCI completed code get_keyword <-----
ARSPDOCI completed code get_keyword 003 ----->
ARSPDOCI completed code parse_field <-----
ARSPDOCI completed code parse_subfields <-----
ARSPDOCI completed code get_keyword <-----
.
.
.
ARSPDOCI completed code get_keyword <-----
ARSPDOCI completed code get_keyword 003 ----->
ARSPDOCI completed code arspparm_final_sanity_check <-----
ARSPDOCI completed code arspparm_final_sanity_check 001 ----->
ARSPDOCI completed code ArspProcessOpt <-----
ARSPDOCI completed code ArspOpenIndex <-----
ARSPDOCI completed code ArspOpenIndex 001 ----->
Adobe PDF Library version -732512488.-1
Editing is :-1
Number of input pages =130
ARSPDOCI completed code ArspProcessOpt:Calling ArspSearchDocPages()
ARSPDOCI completed code ArspSearchDocPages <-----
ARSPDOCI completed code ArspSearchDocPages:ArspCreateWordFinder()
ARSPDOCI completed code ArspSearchDocPages:PDWordFinderAcquireWordList()
ARSPDOCI completed code ArspSearchDocPages:PDDocAcquirePage()
ARSPDOCI completed code ArspSearchDocPages:ArspSearchPage()
ARSPDOCI completed code ArspSearchDocPages:PDPAGERelease()
ARSPDOCI completed code ArspSearchDocPages:PDWordFinderReleaseWordList()
Trigger(s)not found by page 1
ARSPDOCI completed code ArspSearchDocPages 004 ----->
ARSPDOCI completed code ArspProcessOpt:Calling ArspCloseIndex()
ARSPDOCI completed code ArspCloseIndex <-----
ARSPDOCI completed code ArspCloseIndex 001 ----->
ARSPDOCI completed code ArspProcessOpt:Calling PDDocClose()
ARSPDOCI completed code ArspProcessOpt 002 ----->
ARSPDOCI completed code 1
ARSPDOCI completed code ArspFreeParms ()

```

Chapter 16. Table space file systems

Important: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

When configuring DB2 table space file systems under Solaris, each file system that you define to contain SMS table spaces must be located on a different mount point.

Table 5. SMS table space files systems under Solaris

Directory in ARS.DBFS	Mount Point
/arsdb/db1/SMS	/dev/HDISK6
/arsdb/db2/SMS	/dev/HDISK7

The OnDemand server cannot initialize if you have defined more than one SMS table space file system on the same mount point.

Chapter 17. Tivoli Storage Manager issues

Important: This section applies to DB2 Content Manager OnDemand for Multiplatforms only.

Tivoli Storage Manager version required for AIX

If you plan to run OnDemand under a 64-bit AIX operating system, you must use the 32-bit Tivoli Storage Manager API that is provided with Tivoli Storage Manager Version 4.2.2.1 or later. For Tivoli Storage Manager Version 4.2.2.1 or Tivoli Storage Manager Version 5.1.1, you can find the 32-bit API in the AIX43 section of the Client package. For Tivoli Storage Manager Version 5.1.5, there are separate packages for the 32-bit client and the 64-bit client. The Tivoli Storage Manager Client is available from IBM service on the Web at <ftp://service.boulder.ibm.com/storage/tivoli-storage-management/maintenance/client>

Deleting application groups

If the owner of the OnDemand instance is not root, when a user deletes an application group, OnDemand deletes the application group table(s) from the OnDemand database, but does not delete the application group data from Tivoli Storage Manager. In this case, OnDemand issues message number ARS0022, which states that the user must manually delete the application group data from Tivoli Storage Manager. To delete the data from Tivoli Storage Manager, log on to Tivoli Storage Manager and use Tivoli Storage Manager utilities to delete the filespace in Tivoli Storage Manager that is associated with the application group. The name of the filespace is specified in message number ARS0022. See your Tivoli Storage Manager information for details about logging on to Tivoli Storage Manager and using Tivoli Storage Manager utilities to delete data.

Chapter 18. Detecting network communication errors involving OnDemand

ARSSOCK is a debug option for arsockd that logs TCP/IP errors. After ARSSOCK is enabled, it saves the following information to a file:

- Timestamp
- Program in use
- arsock.c line where the problem occurred
- Activity
- Reason code (RC) that is provided by the called function

For example,

```
Wed May 21 13:09:52 2003: OnDemand(1596) -> bind rc = 67
```

where

Wed May 21 13:09:52 2003

Timestamp

OnDemand(1596)

The line in arsock.c where the problem occurred

bind Attempted activity

67 Reason code that is returned by the called function

The usual source of the reason code is the operating system's `errno.h` file. In this example taken from an AIX system, the reason code indicates that the address is already in use. Refer to your operating system documentation for reason codes.

To enable this debug option, you must specify the file to save the debug information in. In the `ars.cfg` file, uncomment or add the following line:

```
ARSSOCK=/tmp/arssock.dbg
```

Important:

- You must have permission to write to the file that is specified by `ARSSOCK=`
- You must provide the full path to the file. You can change the file name and location according to your preferences. Once the debug file is identified, you need to restart the arsockd parent process.

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