

WebSphere MQ for z/OS



# Messages and Codes

*Version 7.0*



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**Note**

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This edition of the book applies to the following products:

- IBM WebSphere MQ for z/OS, Version 7.0

and to any subsequent releases and modifications until otherwise indicated in new editions.

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CSQ9026E: 'keyword' parameter does not satisfy name rules . . . . .	703	00C50040, 00C51041, 00C51042, 00C51043, 00C51044, 00C50045, 00C51046, 00C51047 . . . . .	715
CSQ9028E: 'keyword' parameter is not numeric . . . . .	704	00C50050, 00C51051, 00C51052, 00C51053, 00C51054, 00C50055, 00C51056 . . . . .	716
CSQ9029E: <i>csect-name</i> Failure while processing a command . . . . .	704	00C51090, 00C51092, 00C51093 . . . . .	716
CSQ9030E: 'keyword' parameter may not be generic . . . . .	704	00C510A1, 00C510A2, 00C510A3, 00C510A4, 00C500A5, 00C510A6, 00C510A7, 00C510A8, 00C510A9, 00C500AA . . . . .	716
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CSQ9033E: Command exceeds allowable length . . . . .	705	00C51100, 00C51101, 00C51102, 00C51103, 00C51104, 00C51105, 00C51106, 00C51107, 00C51108, 00C51109, 00C5110A, 00C5110B, 00C5110C, 00C5110D, 00C5110E, 00C5110F . . . . .	718
CSQ9034E: Command cannot be issued using command server . . . . .	706	00C51110, 00C51111, 00C51112, 00C51113, 00C51114, 00C51115, 00C51116, 00C51117, 00C51118, 00C51119, 00C5111A, 00C5111B, 00C5111C, 00C5111D, 00C5111E, 00C5111F . . . . .	718
CSQ9035E: <i>csect-name</i> Required keyword not specified . . . . .	706	00C51120, 00C51121, 00C51122, 00C51123, 00C51124, 00C51125, 00C51126, 00C51127, 00C51128, 00C51129, 00C5112A, 00C5112B, 00C5112C, 00C5112D, 00C5112E, 00C5112F . . . . .	718
CSQ9036E: Command with 'keyword>(parameter-value)' not allowed when queue manager is active . . . . .	707	00C51130, 00C51131, 00C51132, 00C51133, 00C51134, 00C51135, 00C51136, 00C51137, 00C51138, 00C51139, 00C5113A, 00C5113B, 00C5113C, 00C5113D, 00C5113E, 00C5113F . . . . .	719
CSQ9037E: Command must be issued from <i>ddname</i> . . . . .	707	00C51140, 00C51141, 00C51142, 00C51143, 00C51144, 00C51145, 00C51146, 00C51147, 00C51148, 00C51149, 00C5114A, 00C5114B, 00C5114C, 00C5114D, 00C5114E, 00C5114F . . . . .	719
CSQ9038E: Command must be issued from console . . . . .	708	00C51150, 00C51151, 00C51152, 00C51153, 00C51154, 00C51155, 00C51156, 00C51157, 00C51158, 00C51159, 00C5115A, 00C5115B, 00C5115C, 00C5115D, 00C5115E, 00C5115F . . . . .	720
CSQ9039E: Command cannot be issued from console . . . . .	708	00C51160, 00C51161, 00C51162, 00C51163, 00C51164, 00C51165, 00C51166, 00C51167, 00C51168, 00C51169, 00C5116A, 00C5116B, 00C5116C, 00C5116D, 00C5116E, 00C5116F . . . . .	720
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## Chapter 1. Messages

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### CICS adapter messages (CSQC...)

**CSQC100D:** *cics-applid csect-name* **Cannot retrieve data from a START command. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2***

#### Explanation

CKTI has attempted to retrieve data from a CICS® START command, but the retrieve was unsuccessful.

#### Severity

8

#### System action

CKTI ends.

#### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the data contained in these fields to resolve the problem, and retry.

**CSQC101D:** *cics-applid csect-name* **Cannot open the initiation queue. MQCC=*mqcc* MQRC=*mqrc***

#### Explanation

CKTI has attempted to open an initiation queue, but the attempt was unsuccessful (for example, because the queue was not defined). *mqcc* and *mqrc* give the reason for the problem.

#### Severity

8

#### System action

CKTI ends.

#### Operator response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*, determine the cause of the problem, and use CKQC to restart CKTI.

**CSQC102D: *cics-applid csect-name* Cannot start the CICS transaction tran-id. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2***

**Explanation**

A trigger message has been retrieved from the initiation queue which defines a CICS transaction to be started. However the transaction cannot be started (for example, it cannot be found).

**Severity**

8

**System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and restart the transaction.

**CSQC103E: *cics-applid csect-name* CKTI has read a trigger message with an incorrect MQTM-Strucld of *struc-id***

**Explanation**

A trigger message has been retrieved, but the structure identifier of the message is not MQTM\_STRUC\_ID and so is not compatible with this version of CSQCTASK.

**Severity**

4

**System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

**System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

## **CSQC104E: *cics-applid csect-name* CKTI does not support version *version-id***

### **Explanation**

A trigger message has been retrieved, but the version identifier in MQTM is not version 1, and so is not compatible with this version of CSQCTASK.

### **Severity**

4

### **System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

### **System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

## **CSQC105E: *cics-applid csect-name* CKTI cannot start a process type of *process-type***

### **Explanation**

A trigger message has been retrieved, but the process type in MQTM is not CICS, and so cannot be processed by this version of CSQCTASK.

### **Severity**

4

### **System action**

The trigger message is sent to the dead-letter queue. CKTI processes the next message.

### **System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

## **CSQC106D: *cics-applid csect-name* MQGET failure. CKTI will end. MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt to issue an MQGET call on the initiation queue has been unsuccessful.

**Severity**

8

**System action**

CKTI ends.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem, and use CKQC to restart CKTI.

**CSQC107I: *cics-applid csect-name* A request to end CKTI has been received. CKTI ended****Explanation**

A request to end CKTI has been sent from the MQ CICS adapter. This is a normal completion of CKTI.

**Severity**

0

**System action**

CKTI ends.

**CSQC108D: *cics-applid csect-name* Unexpected invocation. CKTI terminated****Explanation**

An attempt has been made to start CKTI, but not from CKCN or CKSQ. This is not allowed.

**Severity**

8

**System action**

CKTI ends.

**Operator response**

Start CKTI from either CKCN or CKSQ.

**CSQC109D: *cics-applid csect-name* MQCLOSE failed.  
MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

An attempt has been made to close a queue, but the **MQCLOSE** call was unsuccessful. This message is followed by message CSQC110I, indicating the name of the queue.

**Severity**

8

**System action**

An implicit close of the queue will take place when the transaction ends.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

**CSQC110I: *cics-applid csect-name* Queue name = *q-name***

**Explanation**

This message is issued to indicate the queue in error if an operation on a queue (for example, an **MQOPEN**) is unsuccessful. The accompanying messages indicate the cause of the problem.

**Severity**

8

**CSQC111D: *cics-applid csect-name* CKTI has read a trigger message with an incorrect length of length**

**Explanation**

This message is issued if the transaction CKTI receives a trigger message that does not match the MQTM control block.

**Severity**

8

**System action**

The message is sent to the dead-letter queue.

**System programmer response**

Look at the message on the dead-letter queue to establish why it did not match MQTM.

**CSQC112A: *cics-applid csect-name* MQOPEN error. MQCC=*mqcc*  
MQRC=*mqrc***

**Explanation**

An **MQOPEN** call has been unable to open a queue. This message is followed by message CSQC110I indicating the name of the queue.

**Severity**

8

**System action**

CKTI ends.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

**CSQC113I: *cics-applid csect-name* This message cannot be processed**

**Explanation**

When an attempt to process a message using an MQ API call was unsuccessful, an attempt was made to put the message on the dead-letter queue. This was also unsuccessful and the *message-id* has been sent to the system console.

**Severity**

0

**System action**

Processing continues.

**System programmer response**

Check the console for previous messages explaining why the dead-letter queue was not available (if a dead-letter queue has not been defined, no other messages relating to the problem will have been issued).

**CSQC114A: *cics-applid csect-name* MQINQ failed. MQCC=*mqcc*  
MQRC=*mqrc***

**Explanation**

An attempt to use the **MQINQ** call to inquire about the attributes of a queue was unsuccessful. This message is followed by message CSQC110I indicating the name of the queue.

### Severity

8

### System action

CKTI ends.

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine why an MQINQ call could not be made on the queue.

## **CSQC116A: *cics-applid csect-name* Cannot open the queue manager. MQCC=*mqcc* MQRC=*mqrc***

### Explanation

An MQOPEN call to the queue manager was unsuccessful.

### Severity

8

### System action

CKTI ends.

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQC117A: *cics-applid csect-name* Cannot query the queue manager. MQCC=*mqcc* MQRC=*mqrc***

### Explanation

An MQINQ call to the queue manager was unsuccessful.

### Severity

8

### System action

CKTI ends.

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQC118I:** *cics-applid csect-name* **MsgID=msg-id**

### **Explanation**

This message follows message CSQC113I, indicating the hexadecimal identifier of the message that could not be processed.

### **Severity**

0

## **CSQC119A:** *cics-applid csect-name* **CICS detected an IRC failure. Cannot start transaction *tran-id***

### **Explanation**

A trigger message was retrieved from the initiation queue which defined a CICS transaction to be started, and the transaction is defined to run in a remote CICS region. The EXEC CICS START request for this transaction ended abnormally because of a failure in the IRC connection between the local and remote CICS regions.

### **Severity**

8

### **System action**

The trigger message is sent to the dead-letter queue, and CKTI continues processing the next message.

### **System programmer response**

Investigate the reason for the IRC failure.

## **CSQC120A:** *cics-applid csect-name* **MQPUT failed. MQCC=mqcc MQRC=mqrc**

### **Explanation**

An attempt was made to put a message on a queue with an **MQPUT** call, but the attempt was unsuccessful. This message is followed by message CSQC110I indicating the name of the queue.

### **Severity**

8

### **System action**

CKTI ends.



### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqr*c to determine why an MQPUT call could not be made for the queue.

## **CSQC121A: *cics-applid csect-name* No dead-letter queue defined for queue manager**

### **Explanation**

A dead-letter queue has not been defined for the queue manager.

### **Severity**

8

### **System action**

The trigger message is discarded, and the process cannot be started.

### **System programmer response**

Define a dead-letter queue if one is required.

## **CSQC122A: *cics-applid csect-name* Cannot close the queue manager. MQCC=*mqcc* MQRC=*mqr*c**

### **Explanation**

CKTI was unable to close the queue manager after inquiring about the dead-letter queue.

### **Severity**

8

### **System action**

CKTI ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqr*c to determine the cause of the problem.

## **CSQC123A: *cics-applid csect-name* The dead-letter queue is not of type local**

### **Explanation**

The dead-letter queue defined was not of type local. This message is followed by message CSQC110I, indicating the name of the queue.

### Severity

8

### System action

The message is not put to the dead-letter queue.

### System programmer response

Define the dead-letter queue as a local queue.

## **CSQC124A: *cics-applid csect-name* The dead-letter queue is not of usage normal**

### Explanation

The dead-letter queue defined is not of usage type normal. This message is followed by message CSQC110I, indicating the name of the queue.

### Severity

8

### System action

The message is not put to the dead-letter queue.

### System programmer response

Define the dead-letter queue to have usage type normal.

## **CSQC211D: *cics-applid csect-name* Unable to LINK to program CSQCPARM. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

An attempt to link to CSQCPARM was unsuccessful.

### Severity

8

### System action

The connection process terminates, and control returns to CICS.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQ CICS adapter control panels (the CKQC transaction) to retry the connection process.

## **CSQC212D: *cics-applid csect-name* CSQCPARM missing in SIT/SIT Override INITPARM**

### **Explanation**

CSQCQCON attempted to connect to MQ, but the attempt was unsuccessful because the **CSQCPARM** keyword in the **INITPARM** statement was not found in the system initialization table (SIT) (or the SIT override **INITPARM** statement).

### **Severity**

8

### **System action**

The connection process terminates, and control returns to CICS.

### **System programmer response**

Add **CSQCPARM** keyword to the **INITPARM** statement of the SIT table (or the SIT override), restart CICS, and use the MQ CICS adapter control panels (the CKQC transaction) to retry the connection process. See the WebSphere MQ for z/OS System Setup Guide for information about the system initialization table.

## **CSQC213D: *cics-applid csect-name* Queue manager name missing in CSQCPARM. Command rejected**

### **Explanation**

An attempt was made to connect to MQ, but it was unsuccessful because the **CSQCPARM** keyword in the **INITPARM** statement did not contain the name of the required queue manager.

### **Severity**

8

### **System action**

The connection process terminates, and control returns to CICS.

### **System programmer response**

Use the MQ CICS adapter control panels (the CKQC transaction) to specify the queue manager name, and retry the connection process. See the WebSphere MQ for z/OS System Setup Guide for information about **CSQCPARM**.

## **CSQC214E: *cics-applid csect-name* Initiation queue name not found. CKTI not started**

### **Explanation**

A connection has been made to MQ, but CKTI cannot be started as no initiation queue name has been specified.

## Severity

0

## System action

The queue manager is connected, but CKTI is not started.

## Operator response

Use the MQ CICS adapter control panels (the CKQC transaction) to start CKTI.

## System programmer response

Add the initiation queue name to **INITPARM** statement if you want to start CKTI automatically next time you connect CICS to MQ.

## **CSQC216D: *cics-applid csect-name* Queue manager name invalid. Connection rejected**

### Explanation

An attempt has been made to connect to MQ, but it was unsuccessful because the queue manager name given was more than 4 characters long.

### Severity

8

### System action

The connection process terminates, and control returns to CICS.

### System programmer response

Use the MQ CICS adapter control panels to specify the correct queue manager name, or correct the **CSQCPARM** keyword in the **INITPARM** statement, and retry the connection process. See the WebSphere MQ for z/OS System Setup Guide for information about **INITPARM** and **CSQCPARM**.

## **CSQC217E: *cics-applid csect-name* Initiation queue name invalid. CKTI not started**

### Explanation

An attempt has been made to connect to MQ, but it was unsuccessful because the initiation queue name given was more than 48 characters long.

### Severity

8

### System action

The connection process terminates, and control returns to CICS.

## System programmer response

Use the MQ CICS adapter control panels (the CKQC transaction) to specify the correct initiation queue name, and retry the connection process.

## **CSQC218I: *cics-applid csect-name* No trace number specified in CSQCPARM. The default of 0 will be used**

### Explanation

A connection has been made to MQ but no trace number was specified in the CSQCPARM keyword of the INITPARM statement. The default of 0 will be used.

### Severity

0

### System action

The queue manager is connected with a trace number of 0.

## System programmer response

Use the MQ CICS adapter control panels (the CKQC transaction) to specify the required trace number. Add the trace number to the CSQCPARM keyword of the INITPARM statement to set it automatically next time you connect CICS to MQ.

## **CSQC219E: *cics-applid csect-name* Trace number specified in CSQCPARM is not valid. The default of 0 will be used**

### Explanation

A connection has been made to MQ but the trace number specified in the CSQCPARM keyword of the INITPARM statement was not valid. The default of 0 will be used.

### Severity

4

### System action

The queue manager is connected with a trace number of 0.

## System programmer response

Use the CICS adapter control panels (the CKQC transaction) to specify the required trace number. Correct the trace number in the CSQCPARM keyword of the INITPARM statement to set it automatically next time you connect CICS to MQ.

**CSQC220D: *cics-applid csect-name* Unable to LINK to program CSQCCON. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

**Explanation**

An attempt to link to CSQCCON was unsuccessful.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQ CICS adapter control panels (the CKQC transaction) to retry the connection process.

**CSQC223D: *cics-applid csect-name* Unable to LINK to program CSQCQCON. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

**Explanation**

An attempt to link to CSQCQCON was unsuccessful.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQ CICS adapter control panels (the CKQC transaction) to retry the connection process.

**CSQC230D: *cics-applid csect-name* Unable to receive input. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

**Explanation**

The CICS adapter is unable to receive input from the CKQC transaction.

### Severity

8

### System action

The requested function is not performed.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC232D: *cics-applid csect-name* Unable to RETURN  
TRANSID *tran-id* IMMEDIATE. EIBFN=*eibfn* EIBRESP=*eibresp*  
EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

An attempt was made to issue an EXEC CICS RETURN TRANSID *tran-id* IMMEDIATE command, but it was unsuccessful.

### Severity

8

### System action

The function terminates, and control returns to CICS.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and reissue the command.

**CSQC235D: *cics-applid csect-name* Unrecognizable screen.  
Re-submit CKQC**

### Explanation

CICS cannot determine the identifier of the screen currently displayed. Because of this, it cannot interpret the screen contents (including any input fields).

### Severity

8

### System action

The input is ignored, and the transaction finishes.

### **System programmer response**

Resubmit CKQC to restart from the beginning of the CICS transaction.

### **Problem determination**

If this problem occurs frequently, contact your IBM® support center for help.

## **CSQC236A: *cics-applid csect-name* Display functions only supported using panel interface**

### **Explanation**

The display function was requested; this function can only be used from the MQ CICS adapter control panels (the CKQC transaction).

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Use the MQ CICS adapter control panels to access the display functions.

## **CSQC237A: *cics-applid csect-name* Panel interface not supported on console**

### **Explanation**

The MQ CICS adapter control panels (the CKQC transaction) are not supported on the console.

### **Severity**

8

### **System action**

The panel request is ignored.

### **Operator response**

Use a 3270 device to display the MQ CICS adapter control panels.



**CSQC239D: *cics-applid csect-name* Unable to LINK to program CSQCBASE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

**Explanation**

CKQC could not display the panel because it could not link to CSQCBASE.

**Severity**

8

**System action**

CKQC ends.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and retry the operation.

**CSQC240D: *cics-applid csect-name* Task not associated with a terminal. Request rejected**

**Explanation**

The request was issued by a task that was not associated with a terminal. This is not allowed.

**Severity**

8

**System action**

The request is ignored.

**Operator response**

Reissue the request from a task that has a 3270 device or console associated with it.

**CSQC241D: *cics-applid csect-name* Unable to receive input. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

**Explanation**

The system cannot receive input from the screen.

**Severity**

8

### **System action**

The input is ignored, and the transaction is finished.

### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and retry the operation.

## **CSQC242D: *cics-applid csect-name* Invalid input. Connect rejected**

### **Explanation**

A connection request was issued with incorrect parameters specified.

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Use the MQ CICS adapter control panels (the CKQC transaction) to request the function, or check the request syntax in the WebSphere MQ for z/OS System Administration Guide and enter it again.

## **CSQC243D: *cics-applid csect-name* Unsupported terminal type. Must be a console or 3270 device**

### **Explanation**

A request was made by a task that is not associated with a console or 3270 device.

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Check that you have the correct level of the CICS adapter for the version of CICS that you are using.

Reissue the request from a task that has a 3270 device or console associated with it.

**CSQC244E: *cics-applid csect-name* CICS is being quiesced.  
Connect rejected**

**Explanation**

An attempt has been made to connect to MQ, but CICS is shutting down so the connection request has been rejected.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

**CSQC300D: *cics-applid csect-name* Already connected to queue manager *qmgr-name*. Connect rejected**

**Explanation**

An attempt has been made to connect to a queue manager, but CICS is already connected to another queue manager so the connection request has been rejected.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

**Operator response**

To connect to the new queue manager, shut down the current connection and reissue the connection request.

**CSQC301I: *cics-applid csect-name* API exit CSQCAPX found and will be used**

**Explanation**

The CICS API exit program CSQCAPX has been activated.

**Severity**

0

**CSQC302D: *cics-applid csect-name* Unable to EXTRACT EXIT CSQCTTRUE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

**Explanation**

An attempt to issue an EXEC CICS EXTRACT EXIT CSQCTTRUE command was unsuccessful.

**Severity**

8

**System action**

The function terminates, and control returns to CICS.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action (for example, use CKQC to restart the connection).

**CSQC303I: *cics-applid csect-name* CSQCSERV loaded. Entry point is address**

**Explanation**

Module CSQCSERV has been loaded. *address* is the address of the entry point. You might find this information useful during problem determination.

**Severity**

0

**CSQC304D: *cics-applid csect-name* Failed to ENABLE CSQCTTRUE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

**Explanation**

An attempt to issue an EXEC CICS ENABLE CSQCTTRUE command was unsuccessful during a connect process.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC305D: *cics-applid csect-name* Unable to INQUIRE MAXTASKS. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

An attempt to issue an EXEC CICS INQUIRE MAXTASKS command was unsuccessful.

### Severity

8

### System action

The connection process terminates, and control returns to CICS.

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC306E: *cics-applid csect-name* Unable to START transaction CKTI. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

During the connection process, the MQ CICS adapter was unable to start CKTI.

### Severity

8

### System action

The queue manager is connected, but CKTI is not started.

### Operator response

Issue the CKQC transaction, and use the panels to start CKTI after the cause of the problem has been corrected.

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

### **CSQC307I: *cics-applid csect-name* Successful connection to queue manager *qmgr-name***

#### **Explanation**

The connection to queue manager *qmgr-name* was successful.

#### **Severity**

0

### **CSQC308D: *cics-applid csect-name* Queue manager *qmgr-name* is stopped. Connect request deferred**

#### **Explanation**

An attempt to connect to queue manager (*qmgr-name*) was unsuccessful because *qmgr-name* was not active.

#### **Severity**

0

#### **System action**

The connection will be made when *qmgr-name* becomes active.

#### **Operator response**

Check that you entered the correct queue manager name (*qmgr-name*). If required, either:

- Start the queue manager (the connection will then be made automatically)
- Use CKQC to connect to an active queue manager.

### **CSQC309D: *cics-applid csect-name* Unable to connect to queue manager *qmgr-name*. MQCC=*mqcc* MQRC=*mqrc***

#### **Explanation**

An attempt to connect to queue manager *qmgr-name* was unsuccessful.

#### **Severity**

8

### **System action**

The connection process terminates, and control returns to CICS.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*, and take the appropriate action.

## **CSQC310D: *cics-applid csect-name* Duplicate connect to queue manager *qmgr-name*. Connect rejected**

### **Explanation**

An attempt to connect to a queue manager was unsuccessful because the queue manager is already connected.

### **Severity**

8

### **System action**

The connection process terminates, and control returns to CICS.

## **CSQC311D: *cics-applid csect-name* Unable to start alert monitor CKAM. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### **Explanation**

During the connection process, the MQ CICS adapter was unable to start the alert monitor CKAM.

### **Severity**

8

### **System action**

The queue manager is connected, but CKAM is not started so the function of the MQ CICS adapter is restricted.

### **Operator response**

Without the alert monitor, the MQ CICS adapter is unable to perform the following functions:

- It cannot handle a deferred connection
- It cannot respond to a queue manager failure
- It cannot perform a warm or immediate shutdown if it needs to wait (that is, the last task carries out shutdown)

It is recommended that you use CKQC to terminate the connection using a forced shutdown of the CICS adapter, and refer to the System Programmer Response.

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. When the error has been corrected, use the CKQC transaction to reinitiate the connection.

### **CSQC312E: *cics-applid csect-name* Unable to GETMAIN CLOC storage. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

#### **Explanation**

The MQ CICS adapter was unable to obtain storage for the CLOC control block.

#### **Severity**

8

#### **System action**

The connection request is rejected.

#### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. This is probably a CICS 'short on storage' problem. Use the procedure followed at your installation to resolve the problem.

### **CSQC313I: *cics-applid csect-name* \*UOWID=*conn-name.uow-id* is in doubt**

#### **Explanation**

This message is issued at connection time. The unit of work shown is in doubt. An asterisk character preceding the unit-of-work identifier indicates that the unit of work will not be resolved automatically.

#### **System action**

The units of work will be resolved by the distributed queuing component when remote queuing starts.

#### **Severity**

0

#### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.



## **CSQC314I: *cics-applid csect-name* UOWIDs highlighted with \* will not be automatically resolved**

### **Explanation**

This message appears when there are unresolved in-doubt units of work. Refer to message CSQC313I.

### **Severity**

0

## **CSQC315E: *cics-applid csect-name* Unable to LOAD API exit CSQCAPX. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### **Explanation**

The MQ CICS adapter is unable to use the API-crossing exit program CSQCAPX. This can be a normal situation if you do not intend to use the API-crossing exit, and have disabled the program CSQCAPX.

### **Severity**

8

### **System action**

The API-crossing exit is not used.

### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. If you are trying to use the API-crossing exit, use the data contained in these fields to resolve the problem.

## **CSQC316I: *cics-applid csect-name* More messages. Check console for full display**

### **Explanation**

This message is displayed if too many messages have been issued to be displayed on the screen.

### **Severity**

0

### **Operator response**

Check the console for further messages.

**CSQC318I:** *cics-applid csect-name UOWID=conn-name.uow-id*  
**created by Transid *trans-id* Taskid *task-id* is in doubt.**

**Explanation**

This message is issued at connection time. The unit of work shown is in doubt.

**Severity**

0

**System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

**CSQC319D:** *cics-applid csect-name Unable to INQUIRE SYSTEM*  
**RELEASE. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2***  
**EIBRCODE=*eibrancode***

**Explanation**

An attempt to issue an EXEC CICS INQUIRE SYSTEM RELEASE command was unsuccessful.

**Severity**

8

**System action**

The connection process terminates, and control returns to CICS.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS System Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC320E:** *cics-applid csect-name CICS Version version*  
**Release *release* is not supported**

**Explanation**

The version of CICS that you are running is not supported by the version of the MQ CICS adapter that you are using.

**Severity**

8

### System action

The connection process terminates, and control returns to CICS.

## **CSQC321D: *cics-applid csect-name* There is no active connection. Stop connection rejected**

### Explanation

An attempt was made to shut down a connection, but there was no connection active. This could be caused by one of the following:

- A connection had not been made
- The connection had already been shut down
- The connection is still being made (that is, it is pending)

### Severity

8

### System action

The request is ignored, and control returns to CICS.

## **CSQC322D: *cics-applid csect-name* Invalid input. Stop connection rejected**

### Explanation

A request to shut down the MQ CICS adapter was made, but it was rejected because the syntax of the shutdown request was not valid.

### Severity

8

### System action

The request is ignored.

### Operator response

Issue the request again. See the WebSphere MQ for z/OS System Administration Guide for details of the correct syntax.

## **CSQC323I: *cics-applid csect-name* command received from **TERMID=termid** **TRANID=tranid** **USERID=userid****

### Explanation

The request to connect or disconnect was received from terminal *termid*. The originating transaction was *tranid* (this could be CKAM). *userid* is the user ID of the operator who used the terminal to initiate the operation. This message is issued on the console for audit trail purposes.

### Severity

0

## **CSQC326D: *cics-applid csect-name* Connection status status is not valid for command. Command rejected**

### Explanation

A request to shut down the MQ CICS adapter was made, but it was rejected because a STOP FORCE shutdown had already been requested.

### Severity

8

### System action

The request is ignored.

## **CSQC330E: *cics-applid csect-name* CICS Transaction Server Version version Release *release* is not supported**

### Explanation

The version of CICS Transaction Server that you are running is not supported by the version of the MQ CICS adapter that you are using .

### Severity

8

### System action

The connection process terminates, and control returns to CICS.

## **CSQC331I: *cics-applid csect-name* Adapter shutdown completed**

### Explanation

The MQ CICS adapter has been shut down. However, it was not able to disconnect from MQ (for example, because the queue manager had already shut down).

### Severity

4

### Operator response

Look for other messages explaining why the MQ CICS adapter could not disconnect from MQ.

**CSQC332I: *cics-applid csect-name* Queue manager *qmgr-name* is already stopped. MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

A request was made to shut down the MQ CICS adapter, but the queue manager has already shut down. For example, the operator shuts down both the queue manager and the MQ CICS adapter simultaneously. If the queue manager stops first, it cannot receive the disconnect request from the CICS adapter.

**Severity**

0

**System action**

The adapter shutdown process continues.

**Operator response**

If the queue manager is already shut down, you can ignore this message. Refer to API completion and reason codes for information about *mqcc* and *mqrc*, and take the appropriate action.

**CSQC333E: *cics-applid csect-name* Unable to disconnect from queue manager *qmgr-name*. MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

A request has been made to disconnect from queue manager *qmgr-name* but it was unsuccessful.

**Severity**

8

**System action**

The adapter shutdown process continues.

**Operator response**

If the queue manager is already shut down, you can ignore this message. Refer to API completion and reason codes for information about *mqcc* and *mqrc*, and take the appropriate action.

**CSQC334I: *cics-applid csect-name* Adapter shutdown successful**

**Explanation**

The shutdown process has completed successfully.

### Severity

0

## **CSQC336I: *cics-applid csect-name* command received from a PLT program**

### Explanation

The *command* request was received from a PLT program. This message is issued on the console for audit trail purposes.

### Severity

0

## **CSQC341I: *cics-applid csect-name* shutdown-type requested by alert monitor CKAM**

### Explanation

The request to shut down the MQ CICS adapter was issued by the alert monitor CKAM. *shutdown-type* is either STOP or STOP FORCE. This message is issued on the console for audit trail purposes.

### Severity

0

## **CSQC342I: *cics-applid csect-name* request received from alert monitor**

### Explanation

Request *request* was received from the alert monitor (CKAM). This message is issued on the console for audit trail purposes.

### Severity

0

## **CSQC350I: *cics-applid csect-name* Unable to LOAD API exit CSQCAPX. Program not found**

### Explanation

The MQ CICS adapter is unable to use the API-crossing exit program CSQCAPX because it cannot be found. This is a normal situation if you do not intend to use the API-crossing exit.

### Severity

0

## System action

The API-crossing exit is not used.

## System programmer response

If you wish to use the API-crossing exit:

- Ensure that CSQCAPX is in the DFHRPL concatenation.
- Issue the CICS command CEMT SET PROGRAM(CSQCAPX) NEWCOPY ENABLE.
- Activate the exit using the Modify Connection option of the CKQC transaction.

## **CSQC351I: *cics-applid csect-name* Unable to LOAD API exit CSQCAPX. Program is disabled**

### Explanation

The MQ CICS adapter is unable to use the API-crossing exit program CSQCAPX because it is disabled. This is a normal situation if you do not intend to use the API-crossing exit, and have therefore disabled the program CSQCAPX.

### Severity

0

## System action

The API-crossing exit is not used.

## System programmer response

If you wish to use the API-crossing exit:

- Ensure that CSQCAPX is in the DFHRPL concatenation.
- Issue the CICS command CEMT SET PROGRAM(CSQCAPX) NEWCOPY ENABLE.
- Activate the exit using the Modify Connection option of the CKQC transaction.

## **CSQC360D: *cics-applid csect-name* Unable to RETRIEVE RTRANSID. Monitor terminated. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

An attempt to issue an EXEC CICS RETRIEVE RTRANSID was unsuccessful (for example, an unauthorized user has tried to start the alert monitor).

### Severity

8

## System action

Processing continues (including the alert monitor if one is already running).

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

### **CSQC361D: *cics-applid csect-name* Unexpected invocation. Monitor terminated**

#### **Explanation**

An attempt was made to start the alert monitor by an unrecognized transaction.

#### **Severity**

8

#### **System action**

The request is ignored.

### **CSQC362D: *cics-applid csect-name* Unable to EXTRACT EXIT CSQCTTRUE. Monitor terminated. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

#### **Explanation**

An attempt to issue an EXEC CICS EXTRACT EXIT CSQCTTRUE command was unsuccessful.

#### **Severity**

8

#### **System action**

The alert monitor terminates.

#### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Take the appropriate action, and use the MQ CICS adapter control panels (the CKQC transaction) to restart the MQ CICS adapter.

### **CSQC363D: *cics-applid csect-name* Unable to perform WAIT EXTERNAL. Monitor terminated. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

#### **Explanation**

An attempt to perform an EXEC CICS WAIT EXTERNAL was unsuccessful.



### Severity

8

### System action

The alert monitor terminates.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

## **CSQC364I: *cics-applid csect-name* Monitor terminated normally**

### Explanation

There are no remaining active or deferred connections, so the alert monitor has terminated.

### Severity

0

## **CSQC365E: *cics-applid csect-name* Unable to LINK to program CSQCQCON. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

The alert monitor has detected that a deferred connection has been activated, but it cannot link to CSQCQCON.

### Severity

8

### System action

The connection process is terminated, and control returns to CICS.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the MQ CICS adapter control panels (the CKQC transaction) to make the connection.

**CSQC366E: *cics-applid csect-name* Unable to LINK to program CSQCDSC. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

**Explanation**

The alert monitor has detected that the MQ CICS adapter is ready to shut down but cannot link to CSQCDSC.

**Severity**

8

**System action**

The disconnection process is continued, and control returns to CICS.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the MQ CICS adapter control panels (the CKQC transaction) to disconnect from MQ.

**CSQC368E: *cics-applid csect-name* Invalid PEB type type at location location. PEB ignored**

**Explanation**

A pending event was not of the type expected by the alert monitor.

**Severity**

8

**System action**

The pending event is discarded.

**Problem determination**

If this problem occurs frequently, collect the following diagnostic items, and contact your IBM support center for help:

- A note of the values returned in the message
- Any trace information collected

**CSQC369E: *cics-applid csect-name* More than 99 notify messages outstanding. This message is postponed temporarily**

**Explanation**

More than 99 pending events have been established. (For example, attempts have been made to connect to more than 99 systems that are not running.)

**Severity**

8

**System action**

The event is not processed until one of the other 99 events has expired.

**Operator response**

If you want to clean up the system, shut down and restart CICS.

**CSQC380D: *cics-applid csect-name* No active connection. command rejected**

**Explanation**

An attempt to start or stop CKTI or to use the DISPLAY/RESET function, was unsuccessful because there was no active connection between MQ and CICS.

**Severity**

8

**System action**

The request is ignored.

**Operator response**

Establish a connection, and reissue the request.

**CSQC381D: *cics-applid csect-name* No initiation queue name specified at connect time. command rejected**

**Explanation**

An attempt was made to start or stop CKTI using the default queue name, but the default queue name was not found. This was because the current connection does not have an initiation queue name associated with it.

**Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Specify the queue name explicitly.

### **System programmer response**

If you require a default queue name, specify one when you perform the connection process. See the WebSphere MQ for z/OS System Administration Guide for information about how to achieve this.

## **CSQC382D: *cics-applid csect-name* CKTI with the same initiation queue name is being started. command rejected**

### **Explanation**

An attempt was made to start CKTI specifying the name of an initiation queue that is used by another CKTI being started.

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Review the console for messages in the range CSQC100D through CSQC109D for further information, or use CICS operator commands (for example CEMT INQ TASK) to determine why the CKTI started earlier is not running.

## **CSQC383D: *cics-applid csect-name* Another CKTI with the same initiation queue name is still running. command rejected**

### **Explanation**

An attempt was made to start CKTI specifying the name of an initiation queue that is already used by a CKTI which is still running.

### **Severity**

8

### **System action**

The request is ignored.

## Operator response

If required, use the MQ CICS adapter control panels (the CKQC transaction) to stop the existing CKTI, and restart.

### **CSQC384D: *cics-applid csect-name* Another CKTI with the same initiation queue name is being stopped. command rejected**

#### Explanation

Either:

- An attempt was made to start CKTI with an initiation queue name the same as the one that is currently being stopped.
- An attempt was made to stop an initiation queue that was already in the process of stopping.

#### Severity

8

#### System action

The request is ignored.

#### Operator response

Wait until the initiation queue has stopped, and then reissue the start request if required.

### **CSQC385D: *cics-applid csect-name* CKTI not found. command rejected**

#### Explanation

An attempt to stop CKTI was unsuccessful because the queue name specified was not found. This is because either:

- The name of the initiation queue was specified incorrectly
- The CKTI has already stopped

#### Severity

8

#### System action

The request is ignored.

#### Operator response

Verify the name of the initiation queue, and reissue the request if necessary.

**CSQC386I: *cics-applid csect-name* command initiated from  
TERMID=*term-id* TRANID=*tran-id* USERID=*user-id* and is  
accepted**

**Explanation**

The MQ CICS adapter has processed the *command* request. However, the CICS task might not have completed its processing yet (for example, CKTI could be waiting for a certain event to occur before it can be stopped). *command* can be either STARTCKTI, STOPCKTI, or RESET.

**Severity**

0

**CSQC389D: *cics-applid csect-name* Invalid input. Start/Stop  
CKTI rejected**

**Explanation**

The syntax of the CICS adapter request entered was incorrect.

**Severity**

8

**System action**

The request is rejected.

**System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for details of the correct syntax, or use the MQ CICS adapter control panels (the CKQC transaction) to request the function.

**CSQC390I: *cics-applid csect-name* CICS Transaction Server is  
Version *version* Release *release***

**Explanation**

This message is issued to show which version of CICS Transaction Server you are using.

**Severity**

0

## **CSQC400I:** *cics-applid csect-name UOWID=conn-name.uow-id*

### **Explanation**

This message gives the connection name and the identifier of a unit of work and appears with one of the following messages:

- CSQC402I
- CSQC403I
- CSQC404E
- CSQC405E
- CSQC406E
- CSQC407E

You can use the connection name when using MQ commands (for example, RESOLVE INDOUBT).

### **Severity**

0

## **CSQC402I:** *cics-applid csect-name Resolved with COMMIT*

### **Explanation**

The syncpoint coordinator has informed MQ that the unit of work indicated by the accompanying CSQC400I message has been committed.

### **Severity**

0

## **CSQC403I:** *cics-applid csect-name Resolved with BACKOUT*

### **Explanation**

The syncpoint coordinator has informed MQ that the unit of work indicated by the accompanying CSQC400I message has been backed out.

### **Severity**

0

## **CSQC404E:** *cics-applid csect-name Resolve failed. MQCC=mqcc MQRC=mqrc*

### **Explanation**

The syncpoint coordinator requested that the unit of work indicated by the accompanying CSQC400I message be committed or backed out. However, MQ was unable to do this.

## Severity

8

## System action

The unit of work remains in doubt.

## System programmer response

If you want to resolve the unit of work:

- Diagnose the cause of the problem and correct it (refer to API completion and reason codes for information about *mqcc* and *mqr*)
- Disconnect MQ.
- Use the MQ CICS adapter control panels (the CKQC transaction) to reconnect MQ.

### **CSQC405E: *cics-applid csect-name* Execute resolve failed. MQCC=*mqcc* MQRC=*mqr***

#### Explanation

The syncpoint coordinator requested that resolution of the units of work be executed. However, MQ was unable to do this.

#### Severity

8

#### System action

The units of work remain in doubt.

#### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqr* to determine the cause of the problem. See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

### **CSQC406E: *cics-applid csect-name* Cannot resolve, syncpoint *disposition**dispositionlost***

#### Explanation

The syncpoint coordinator has been subjected to a cold start, and information regarding units of work has been lost (syncpoint state UERTDGCS). The coordinator cannot inform the MQ CICS adapter whether to commit or back out the unit of work indicated by the accompanying CSQC400I message.

For information about UERTDGCS, see the *CICS Customization Guide*.



## Severity

8

## System action

The unit of work remains in doubt.

## Operator response

Determine how to resolve the in-doubt unit of work. See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

## **CSQC407E: *cics-applid csect-name* Cannot resolve, syncpoint dispositionunknown**

### Explanation

The syncpoint coordinator cannot find a decision about resolving the unit of work indicated by the accompanying CSQC400I message (syncpoint state UERTDGNK). The coordinator cannot inform the MQ CICS adapter whether to commit or back out the unit of work.

For information about UERTDGNK, see the *CICS Customization Guide*.

## Severity

8

## System action

The unit of work remains in-doubt.

## Operator response

Determine how to resolve the in-doubt unit of work. See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt CICS unit of work.

## **CSQC408I: *cics-applid csect-name* Only partial resynchronization achieved. Check above messages**

### Explanation

Total resynchronization was not achieved; some units of work remain in doubt.

## Severity

0

### **Operator response**

Action any messages received before this one which indicate units of work that have not been resolved. When there are no more in-doubt units of work you will receive message CSQC409I.

## **CSQC409I: *cics-applid csect-name* Resynchronization completed successfully**

### **Explanation**

Resynchronization has completed successfully; all units of work have been resolved.

### **Severity**

0

## **CSQC410I: *cics-applid csect-name* CICS immediate shutdown detected. Adapter terminated**

### **Explanation**

CICS has notified the MQ CICS adapter that it is shutting down immediately.

### **Severity**

0

### **System action**

The MQ CICS adapter initiates an immediate shutdown. Any in-flight tasks using MQ are backed out when the connection is broken by CICS.

### **Operator response**

See the WebSphere MQ for z/OS System Administration Guide for more information about MQ CICS adapter shutdown.

## **CSQC411I: *cics-applid csect-name* CICS warm shutdown detected. Adapter is quiescing**

### **Explanation**

CICS has notified the MQ CICS adapter that it has initiated a warm shutdown.

### **Severity**

0

### **System action**

The MQ CICS adapter initiates a quiesced shutdown.

## Operator response

See the WebSphere MQ for z/OS System Administration Guide for more information about MQ CICS adapter shutdown.

### **CSQC412I: *cics-applid csect-name* CICS abend detected. Adapter terminated**

#### **Explanation**

The MQ CICS adapter detected a CICS abend.

#### **Severity**

0

#### **System action**

The MQ CICS adapter is terminated.

### **CSQC413I: *cics-applid csect-name* Task ID *id* force purge deferred until its current request has completed**

#### **Explanation**

The task with an identifier of *id* is being force purged by the operator while it is waiting for an outstanding request to complete. The force purge will not be processed until the outstanding request completes.

#### **Severity**

0

#### **System action**

If the task reaches a must-complete state (for example, syncpoint) the task is not ended after the request has been completed. Otherwise, it will terminate with an abend code of AEXY. For more information about these CICS abend codes, see the relevant *CICS Messages and Codes* manual.

### **CSQC414I: *cics-applid csect-name* Abending task ID *id* *abend-code***

#### **Explanation**

The task with an identifier of *id* has been force purged by the operator, and abends with *abend-code*.

#### **Severity**

0

### System action

The outstanding task has been completed and, because it is not in a must-commit state, the MQ CICS adapter ends the task abnormally. For more information about the CICS abend code, see the *CICS Messages and Codes* manual.

## **CSQC415I: *cics-applid csect-name* Task ID *id* will continue. Force purge ignored**

### Explanation

The task with an identifier of *id* has been force purged by the operator.

### Severity

0

### System action

The outstanding task has been completed but, because it is in a must-commit state (for example, syncpoint), the MQ CICS adapter does not end the task.

## **CSQC416I: *cics-applid csect-name* Address *address* is out of range. Area of length *length* is not traced**

### Explanation

An address (*address*) passed from an application was out of range for one of the following reasons:

- The address plus the length of the area to be traced exceeds the 2GB addressing limit
- The address is not within the private area storage of the CICS region as regarded by z/OS®

Because of this, the CICS trace facility is unable to trace the area.

### Severity

0

### System action

This message is inserted into the CICS trace, and processing continues.

### System programmer response

If the address is in error, correct the application.

## **CSQC417I: *cics-applid csect-name* CICS is Version *version* Release *release***

### Explanation

This message is issued to show which version of CICS you are using.

### Severity

0

**CSQC418D:** *cics-applid csect-name* **Unable to LOAD program CSQAVICM. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

### Explanation

An attempt to load CSQAVICM was unsuccessful.

### Severity

8

### System action

The process terminates, and control returns to CICS.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

**CSQC419I:** *cics-applid csect-name* **No server subtasks available. Task will abend**

### Explanation

A task has issued an MQ API call that requires task switching, but there are no server subtasks available. This might be because the subtasks have not yet started, or did not start successfully. (Message CSQC472I is issued for each subtask started; there should be eight subtasks.)

### Severity

0

### System action

The task is ended abnormally with code QNST.

**CSQC420D:** *cics-applid csect-name* **Unable to send map *map-id* mapset CSQCMS. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

### Explanation

The program was unable to send map *map-id* from the map set CSQCMS to the screen.

### Severity

8

### System action

The task is terminated.

### System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

## **CSQC421A: *cics-applid csect-name* Tab cursor was not on a valid object**

### Explanation

The cursor was not in the correct position when the enter key was pressed.

### Severity

8

### System action

The input is ignored.

### Operator response

Use the tab key to move the cursor to a valid position.

## **CSQC422D: *cics-applid csect-name* Unable to RETURN TRANSID CKBM. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### Explanation

An attempt was made to issue an EXEC CICS RETURN TRANSID CKBM command, but it was unsuccessful.

### Severity

8

### System action

The transaction terminates, and control returns to CICS.

## System programmer response

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

### **CSQC423D: *cics-applid csect-name* Unable to XCTL to program *pgm-name*. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

#### **Explanation**

An attempt to transfer control to program *pgm-name* was unsuccessful.

#### **Severity**

8

#### **System action**

The transaction terminates, and control returns to CICS.

#### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

### **CSQC424D: *cics-applid csect-name* Invalid key entered**

#### **Explanation**

The function key pressed was not valid for this panel.

#### **Severity**

8

#### **System action**

The key is ignored.

#### **Operator response**

Use one of the function keys shown at the bottom of the panel.

### **CSQC425D: *cics-applid csect-name* No parameter window for this function**

#### **Explanation**

An attempt was made to display a parameter window. There are no parameters for the function selected, so there is no parameter window to display.

**Severity**

8

**System action**

The request is ignored.

**CSQC430D:** *cics-applid csect-name* **Unknown map name**  
**map-name. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2***  
**EIBRCODE=*eibrancode***

**Explanation**

CICS was unable to locate the map specified (for example, because the map was not defined during the installation procedure). *map-name* is the name of the map in question.

**Severity**

8

**System action**

The transaction terminates.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC431D:** *cics-applid csect-name* **Invalid action number.**  
**Re-enter**

**Explanation**

The action number specified was out of the range available.

**Severity**

8

**System action**

The request is ignored.

**Operator response**

Specify an action number in the range displayed.



**CSQC432D: *cics-applid csect-name* Invalid task number.  
Re-enter**

**Explanation**

The task number specified was out of the range requested.

**Severity**

8

**System action**

The request is ignored.

**System programmer response**

Specify a task number in the range displayed.

**CSQC433D: *cics-applid csect-name* Invalid option. Must be 1, 2,  
3 or 4**

**Explanation**

The value entered was not 1, 2, 3, or 4.

**Severity**

8

**System action**

The value is rejected.

**Operator response**

Enter a value of either 1, 2, 3, or 4 on the pop-up screen.

**CSQC434D: *cics-applid csect-name* Queue manager name  
missing. Must be entered**

**Explanation**

The queue manager name was not specified on the connection parameter panel.

**Severity**

8

**System action**

The connection request is rejected.

### **Operator response**

Enter the name of the required queue manager on the panel.

### **System programmer response**

If a default name is required, specify the queue manager name in CSQCPARM. See the WebSphere MQ for z/OS System Setup Guide for information about how to do this.

## **CSQC435D: *cics-applid csect-name* Invalid trace number. Must be numeric**

### **Explanation**

The trace number entered was not numeric.

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Enter a numeric trace number (in the range 0 through 199).

## **CSQC436D: *cics-applid csect-name* Invalid trace number. Must be < 200**

### **Explanation**

The trace number entered was not in the valid range.

### **Severity**

8

### **System action**

The request is ignored.

### **Operator response**

Enter a trace number in the range 0 through 199.

**CSQC438D: *cics-applid csect-name* Trace number missing. Must be entered**

**Explanation**

Option 4 has been selected to change the trace number, but the new trace number has not been entered.

**Severity**

8

**System action**

The request is rejected.

**Operator response**

Either enter a new trace number (in the range 0 through 199), or choose another option.

**CSQC439D: *cics-applid csect-name* Invalid Stop option. Must be 1 or 2**

**Explanation**

The shutdown option number was not a valid value.

**Severity**

8

**System action**

The request is ignored.

**Operator response**

Specify either 1 or 2.

**CSQC440D: *cics-applid csect-name* Unable to send map *map-name* mapset CSQCMSH. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

**Explanation**

The program was unable to send map *map-name* from the mapset CSQCMSH to the screen.

**Severity**

8

### **System action**

The task is terminated.

### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

## **CSQC443D: *cics-applid csect-name* Unable to RETURN TRANSID CKRT. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### **Explanation**

An attempt to issue an EXEC CICS RETURN TRANSID CKRT command was unsuccessful.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

## **CSQC450E: *cics-applid csect-name* Unable to ENTER TRACENUM. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrancode***

### **Explanation**

An attempt to issue an EXEC CICS ENTER TRACENUM command was unsuccessful.

### **Severity**

8

### **System action**

The trace number specified is accepted, but the adapter cannot perform tracing.

### **System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

## **CSQC451I: *cics-applid csect-name* Nothing to reset. Reset completed**

### **Explanation**

A reset request was made, but no values were specified to indicate what should be reset.

### **Severity**

8

### **System action**

Nothing is reset.

### **Operator response**

If you want to reset anything, specify values in the required fields.

## **CSQC452D: *cics-applid csect-name* Invalid input. Reset rejected**

### **Explanation**

A request was made to the reset function without using the MQ CICS adapter control panels, but the syntax was incorrect.

### **Severity**

8

### **System action**

The request is ignored.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for details of the correct syntax.

## **CSQC453I: *cics-applid csect-name* Status of connection to *qmgr-name* is status. number tasks are in-flight**

### **Explanation**

This message is issued as the reply to the CKQC DISPLAY request, and gives the status of the connection to queue manager *qmgr-name* and the number of tasks that are in-flight on that connection.

### **Severity**

0

**CSQC455D:** *cics-applid csect-name* **Unable to WRITEQ TS.**  
**EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2***  
**EIBRCODE=*eibrancode*. Queue name is *q-name***

**Explanation**

An attempt to issue an EXEC CICS WRITEQ TS command was unsuccessful.

**Severity**

8

**System action**

The display function is terminated.

**System programmer response**

The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

**CSQC456I:** *cics-applid csect-name* **No tasks found. Display completed**

**Explanation**

A request was made to display tasks, but there are no current tasks using MQ services.

**Severity**

0

**CSQC457I:** *cics-applid csect-name* **No CKTI found. Display rejected**

**Explanation**

A request was made to display CKTI, but there were no instances of CKTI started.

**Severity**

0

**CSQC458D:** *cics-applid csect-name* **Invalid input. Display rejected**

**Explanation**

An attempt was made to request a display function, but not using the MQ CICS adapter control panels. This is not supported.

**Severity**

8

**System action**

The request is rejected.

**System programmer response**

Use the MQ CICS adapter control panels to request the display function.

**CSQC460I: *cics-applid csect-name* Bottom of display****Explanation**

An attempt was made to scroll forward, but the bottom of the display has already been reached.

**Severity**

0

**CSQC461I: *cics-applid csect-name* Top of display****Explanation**

An attempt was made to scroll backward, but the top of the display has already been reached.

**Severity**

0

**CSQC462D: *cics-applid csect-name* Invalid input. Request rejected****Explanation**

An attempt was made to issue the internal transaction CKRT by direct terminal input, or in an otherwise invalid way.

**Severity**

8

**System action**

The request is rejected.

**System programmer response**

Do not use CKRT in this way.

**CSQC470I: *cics-applid csect-name* Server subtask (TCB address=address) terminated**

**Explanation**

The MQ CICS adapter is being shut down, and the server task with TCB address *address* has been terminated.

**Severity**

0

**CSQC471A: *cics-applid csect-name* Server subtask (TCB address=address) unable to establish ESTAE, RC=rc**

**Explanation**

The server subtask was trying to establish a z/OS ESTAE but failed with return code *rc*. This error occurred while the server subtask was undergoing its initialization phase, so no CICS tasks will have been affected.

**Severity**

8

**System action**

The server subtask terminates. The MQ CICS adapter continues without that particular server.

**System programmer response**

See the *MVS Programming: Assembler Services Reference* to determine the reason why the ESTAE call failed and take appropriate action if possible. Restart the connection using the CKQC transaction.

If you are unable to resolve the problem, contact your IBM support center.

**CSQC472I: *cics-applid csect-name* Server subtask (TCB address=address) connect successful**

**Explanation**

The MQ CICS adapter is starting, and the server task with the TCB address *address* has made a connection to MQ.

**Severity**

0



**CSQC480I: *cics-applid csect-name MQCC=mqcc MQRC=mqrc*  
QRPL at *qrpl-address* FRB at *frb-address***

**Explanation**

This message is used as the title for an MQ CICS adapter dump if an unexpected error occurs. *qrpl-address* is the address of the queue request parameter list and *frb-address* is the address of the function request block.

**Severity**

0

**CSQC481I: *cics-applid csect-name Unexpected error.*  
MQCC=mqcc MQRC=mqrc FRB at *frb-address***

**Explanation**

This message is used as the title for an MQ CICS adapter dump if an unexpected error occurs. *frb-address* is the address of the function request block.

**Severity**

0

**CSQC700I: *transid taskid IBM WebSphere MQ for z/OS version*  
– CICS bridge**

**Explanation**

This message is issued when the CICS bridge starts, and shows the release level.

**CSQC702I: *transid taskid Monitor initialization complete***

**Explanation**

Bridge monitor initialization completed successfully.

**CSQC703I: *transid taskid Auth=auth-option,*  
WaitInterval=interval, Q=q-name**

**Explanation**

This confirms the bridge monitor start options. Although the WAIT parameter is supplied in seconds, *Interval* is shown in milliseconds; -1 implies WaitUnlimited.

**CSQC704E: *transid taskid EXEC CICS call error. EIBFN=eibfn*  
EIBRESP=eibresp EIBRESP2=eibresp2**

**Explanation**

An error occurred in a CICS call issued by the bridge.

## System programmer response

See the *CICS Application Programming* manual for an explanation of *eibfn*, *eibresp*, and *eibresp2*.

## **CSQC705E: *transid taskid* Parameter at offset *n* in input string is invalid**

### Explanation

The parameter at offset *n* in the start parameter string for the bridge monitor is invalid. The incorrect parameter is shown in message CSQC784E.

### System programmer response

Correct the parameter and restart the bridge monitor.

## **CSQC706E: *transid taskid* Authentication option invalid for this release of CICS**

### Explanation

The authentication option requested is not supported. CICS/ESA® 3.3 only supports the LOCAL and VERIFY\_UOW authentication options. Other versions of the bridge can only support LOCAL.

### System programmer response

Choose a supported authentication option for the release of CICS and restart the bridge monitor.

## **CSQC707I: *transid taskid* Bridge not supported on non-z/OS platforms. Results are unpredictable**

### Explanation

The bridge is being run on a platform other than z/OS. This might work, but is not supported.

## **CSQC708E: *transid taskid* Monitor must run at a terminal to use AUTH=VERIFY\_UOW on CICS/ESA V3**

### Explanation

AUTH=VERIFY\_UOW was requested. AUTH=VERIFY\_UOW on CICS/ESA 3.3 requires that the bridge monitor is run at a terminal.

### System programmer response

Restart the bridge monitor from a terminal or set AUTH=LOCAL.

## **CSQC709E: *transid taskid* Preset security not valid for AUTH=VERIFY\_UOW on CICS/ESA V3**

### **Explanation**

AUTH=VERIFY\_UOW was requested. AUTH=VERIFY\_UOW on CICS/ESA 3.3 requires that the bridge monitor is run at a terminal, but that terminal might not have preset security.

### **System programmer response**

Redefine the terminal, or use a different one, before restarting the bridge monitor, or set AUTH=LOCAL.

## **CSQC710E: *transid taskid* mq-call failed, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An error occurred in an MQ API call issued by the bridge.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQC711E: *transid taskid* Unable to open bridge queue, *q-name***

### **Explanation**

The bridge queue specified is not known to the queue manager.

### **System programmer response**

Check the bridge queue is defined correctly and specified on the Q= parameter of the bridge startup for CKBR.

## **CSQC712I: *transid taskid* Bridge quiescing**

### **Explanation**

Bridge monitor quiesce has been initiated. This would normally be because CICS or the queue manager is shutting down or because the operator has set the bridge queue GET(DISABLED).

## **CSQC713I: *transid taskid* Bridge terminated normally**

### **Explanation**

Bridge monitor shutdown completed normally.

## **CSQC714I: *transid taskid* Bridge task starting**

### **Explanation**

Bridge monitor is starting.

## **CSQC715E: *transid taskid* Invalid COMMAREA length length in message**

### **Explanation**

The COMMAREA length calculated by the bridge is not valid. It probably exceeds the maximum of 32767. This error can also occur if a negative length was calculated.

### **System programmer response**

If OutputDataLength is set within the MQCIH, check it does not exceed 32759 (allowing 8 bytes for the program name). If it is not set, check the total request message length (also allowing 8 bytes for the program name). The length of any MQCIH must not exceed 32767. Note that the length of the MQCIH is taken from the MQCIH length field.

## **CSQC716E: *transid taskid* MQCIH required for UOW middle and last messages**

### **Explanation**

A bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the message does not contain an MQCIH. The unit of work is backed out.

### **System programmer response**

Make sure that all messages within a multipart unit of work contain an MQCIH and rerun the unit of work.

## **CSQC717E: *transid taskid* UOW first or only received when UOW middle or last expected**

### **Explanation**

A bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the UOWControl field within the MQCIH is invalid. It is set to MQCUOWC\_FIRST or MQCUOWC\_ONLY when MQCUOWC\_MIDDLE, MQCUOWC\_LAST, MQCUOWC\_COMMIT, or MQCUOWC\_BACKOUT is required. The unit of work is backed out.

### **System programmer response**

Correct the UOWControl field and rerun the unit of work.

## **CSQC718E: *transid taskid* UOW middle or last received when UOW first or only expected**

### **Explanation**

The bridge monitor has received a request message for a new unit of work, the correlation identifier is set to MQCI\_NEW\_SESSION but the UOWControl field within the MQCIH is set to something other than MQCUOWC\_FIRST or MQCUOWC\_ONLY.

### **System programmer response**

Correct the UOWControl field and rerun the unit of work.

## **CSQC720E: *transid taskid* Authentication option IDENTIFY or VERIFY\_ requires a security manager to be active**

### **Explanation**

An attempt has been made to start the bridge monitor with AUTH=IDENTIFY or VERIFY\_ but security is not active for the CICS system.

### **System programmer response**

Activate security, or choose a different authentication option.

## **CSQC721E: *transid taskid* Invalid MQCIH**

### **Explanation**

A message has been received by the bridge with an MQMD format field of MQFMT\_CICS but the data does not begin with a valid MQCIH. Either the StrucId, Version, or StrucLength is incorrect.

### **System programmer response**

Check the version of the header and compare with the level supported by the bridge. Correct the format or the user data as appropriate.

## **CSQC724E: *transid taskid* Bridge queue q-name not defined as local**

### **Explanation**

The bridge queue specified is not defined as a local queue.

### **System programmer response**

Redefine the bridge request queue as a local queue.

## **CSQC725I: *transid taskid* Messages on bridge queue are not persistent by default**

### **Explanation**

The bridge queue is defined with DEFPSIST(NO). Request messages should be persistent to guarantee that they will be processed. The message is for information only.

## **CSQC726I: *transid taskid* Bridge queue backout count not hardened**

### **Explanation**

The bridge queue is defined with NOHARDENBO.

### **System programmer response**

Alter the queue definition to set HARDENBO. The queue should be defined with HARDENBO to ensure that the bridge does not try to process a unit of work a second time following a CICS emergency restart.

## **CSQC727I: *transid taskid* Bridge queue defined with MSGDLVSQ(PRIORITY), but should be FIFO for efficiency**

### **Explanation**

The bridge queue is defined with PRIORITY message delivery sequence. Processing of high priority messages could be delayed if they are added to the queue ahead of the bridge monitor's browse cursor.

### **System programmer response**

Alter the queue definition to set MSGDLVSQ(FIFO).

## **CSQC728E: *transid taskid* Bridge queue already open. Check no CKBR or bridge tasks are active for this queue**

### **Explanation**

An MQINQ call for the bridge queue found that another process had the queue open for input. This is not allowed when the bridge monitor starts.

### **System programmer response**

Check that no bridge monitor task (CKBR) is already active for this queue. Message CSQC703I can be used to check which queue a bridge monitor is servicing. If no bridge monitor is active, check if any bridge tasks that were started by a previous bridge monitor are still active (see CSQC743I messages).

## **CSQC729I: *transid taskid* No dead-letter queue defined to queue manager**

### **Explanation**

There is no dead-letter queue defined to the queue manager. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

### **System programmer response**

Alter the queue manager to define a dead-letter queue if dead-letter processing is required.

## **CSQC730I: *transid taskid* Unable to open dead-letter queue, MQRC=*mqrc***

### **Explanation**

The dead-letter queue defined to the queue manager could not be opened. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC731I: *transid taskid* Unable to inquire on dead-letter queue, MQRC=*mqrc***

### **Explanation**

An MQINQ call on the dead-letter queue failed. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC732I: *transid taskid* Unable to put message to dead-letter queue, MQRC=*mqrc***

### **Explanation**

An MQPUT to the dead-letter queue failed. If this error occurs in a bridge task, the unit of work is backed out. If this error occurs in the bridge monitor, it will be abnormally terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC733I: *transid taskid* Dead-letter queue not defined with USAGE(NORMAL)**

### **Explanation**

The dead-letter queue is not defined correctly. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

### **System programmer response**

Ensure the dead-letter queue is not defined as a transmission queue.

## **CSQC734I: *transid taskid* Dead-letter queue max message length length is too small**

### **Explanation**

The maximum message length allowed for the dead-letter queue is less than the size of the dead-letter header, MQDLH. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

### **System programmer response**

Increase the MAXMSGL of the dead-letter queue to at least the size of the MQDLH but, to be effective, make it large enough to hold the largest request message expected plus the MQDLH.

## **CSQC735I: *transid taskid* CICS or queue manager quiesced before bridge task started**

### **Explanation**

The bridge task received a quiescing return code from an MQOPEN call of the request queue or an MQGET call for the first message within a unit of work.

The request will be processed when CICS, the queue manager, or the bridge monitor are restarted.

## **CSQC736I: *transid taskid* Bridge quiesced before task started**

### **Explanation**

The bridge quiesced before a bridge task could get the first message within a unit of work.

The request will be processed when the bridge monitor is restarted.



## **CSQC737E: *transid taskid* CICS or queue manager quiesced, bridge task backed out**

### **Explanation**

The bridge task received a quiescing return code from an MQGET for a second or subsequent message within a unit of work. The unit of work is backed out and the bridge task terminated.

### **System programmer response**

Rerun the unit of work.

## **CSQC738E: *transid taskid* Bridge quiesced, task backed out**

### **Explanation**

The bridge task quiesced while a bridge task was waiting to get a second or subsequent message within a unit of work because the queue was not enabled for getting messages. The unit of work is backed out and the bridge task terminated.

### **System programmer response**

Rerun the unit of work.

## **CSQC739E: *transid taskid* Bridge terminated, timeout interval expired before middle or last UOW message received**

### **Explanation**

The bridge task did not receive a second or subsequent message for a unit of work within the wait interval specified (or as overridden on the first request for the unit of work) at bridge monitor startup.

### **System programmer response**

Either:

- Increase the WAIT parameter on bridge monitor startup.
- Correct the program that failed to send a subsequent request for a unit of work.
- Set the UOWControl field correctly for the previous request.

## **CSQC740E: *transid taskid* Client application requested backout**

### **Explanation**

The bridge task backed out a unit of work on receipt of a MQCUOWC\_BACKOUT request.

**CSQC745E: *transid taskid* Unable to put message to reply queue, MQRC=*mqrc***

**Explanation**

An MQPUT call to the reply-to queue failed.

**System action**

The response message will be sent to the dead-letter queue.

**System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

**CSQC746E: *transid taskid* Invalid CCSID, *ccsid* expected, *ccsid* received**

**Explanation**

A request message was received with an invalid value for the CCSID field in the MQMD.

**System programmer response**

Correct the MQMD and reissue the request.

**CSQC747E: *transid taskid* Invalid encoding, *encoding* expected, *encoding* received**

**Explanation**

A request message was received with an invalid value for the encoding field in the MQMD.

**System programmer response**

Correct the MQMD and reissue the request.

**CSQC748E: *transid taskid* Message removed from the request queue during backout processing**

**Explanation**

The bridge has sent this request message to the dead-letter queue during backout processing.

**System programmer response**

See the associated messages to determine the cause of the problem.

## **CSQC749E: *transid taskid* Authentication error, userid user-id**

### **Explanation**

The bridge monitor is being run with AUTH=VERIFY\_UOW or AUTH=VERIFY\_ALL. An EXEC CICS SIGNON or EXEC CICS VERIFY PASSWORD command failed.

### **System programmer response**

Check that the correct user ID was specified, and that the appropriate authorizations are defined for it.

## **CSQC750E: *transid taskid* Bridge monitor internal error**

### **Explanation**

An unexpected condition was detected by the bridge.

### **System programmer response**

Contact your IBM support center if the problem persists.

## **CSQC751E: *transid taskid* Unable to LINK to program program-name, EIBRESP=*eibresp* EIBRESP2=*eibresp2***

### **Explanation**

An EXEC CICS LINK command for the user requested program failed.

### **System programmer response**

See the *CICS Application Programming* manual for an explanation of *eibresp* and *eibresp2*.

## **CSQC752E: *transid taskid* Bridge queue cannot be used for reply-to queue**

### **Explanation**

The reply-to queue name in a request message is the same as the bridge-request queue name. This is not allowed.

### **System programmer response**

Specify a different reply-to queue in the request.

**CSQC753E: *transid taskid* Message has been processed previously and returned to the queue using backout**

**Explanation**

The bridge already attempted to process this request but the request failed and was backed out. This could be because backout processing failed for a bridge task that ended abnormally or because there was a CICS failure while this request was in progress. No attempt is made to process the request a second time.

**System programmer response**

Look at previous error messages for this message on the CSMT log to determine the cause for the previous failure, and rerun the request.

**CSQC754E: *transid taskid* Bridge task abend *abend-code* in program *program-name***

**Explanation**

A bridge task terminated abnormally.

**System programmer response**

The associated transaction dump can be used to assist problem determination. Correct the problem and rerun the unit of work. If the program name begins with CSQCB and the problem persists, contact your IBM support center.

**CSQC755E: *transid taskid* Bridge queue is not shareable**

**Explanation**

The bridge request queue does not have the SHARE attribute.

**System programmer response**

Alter the queue definition and restart the bridge monitor.

**CSQC756E: *transid taskid* Dead-letter queue not defined as local**

**Explanation**

The dead-letter queue is not defined as a local queue. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

**System programmer response**

Redefine the dead-letter queue as a local queue.

**CSQC757E: *transid taskid* Unable to open reply-to queue, q-name MQRC=*mqrc***

**Explanation**

The reply-to queue specified is not known to the queue manager.

**System programmer response**

Refer to API completion and reason codes for information about *mqrc*. Check you have provided the necessary queue definitions.

**CSQC758E: *transid taskid* Unable to START bridge task, *userid* *user-id* not authorized. EIBRESP=*eibresp* EIBRESP2=*eibresp2***

**Explanation**

The bridge monitor is being run with the IDENTIFY or VERIFY authorization option. An EXEC CICS START command for the bridge task failed with NOTAUTH or USERIDERR because the user ID is not authorized to start bridge transactions or has been revoked.

**System programmer response**

See the *CICS Application Programming* manual for an explanation of *eibresp* and *eibresp2*. Correct the security definitions if this *userid* should be authorized to run requests using the bridge.

**CSQC759E: *transid taskid* Transaction *transid* not defined to CICS**

**Explanation**

An request has been received to run the transaction listed but it is not defined to this CICS system.

**System programmer response**

Correct the request or define the transaction.

**CSQC760I: *transid taskid* MsgId=MsgId**

**Explanation**

This message gives the identifier of a message to which a previous error message relates.

**System programmer response**

See the associated message.

## **CSQC761I: *transid taskid* CorrelId=CorrelId**

### **Explanation**

This message gives the correlation identifier of a message to which a previous error message relates.

### **System programmer response**

See the associated message.

## **CSQC762I: *transid taskid* Queue name *q-name***

### **Explanation**

This message gives the name of the queue to which a previous error message relates.

### **System programmer response**

See the associated message.

## **CSQC763I: *transid taskid* Queue manager *queue-manager-name***

### **Explanation**

This message gives the name of the queue manager to which a previous error message relates.

### **System programmer response**

See the associated message.

## **CSQC764E: *transid taskid* Invalid userid, *user-id* expected, *user-id* received**

### **Explanation**

A user ID is required in all request messages when AUTH=VERIFY\_ALL is being used; this must be the same for all requests within a unit of work. This message is issued because the bridge task detected a missing or changed user ID.

### **System programmer response**

Correct the user ID and rerun the unit of work.

## **CSQC766I: *transid taskid* Bridge queue not defined with INDXTYPE(CORRELID)**

### **Explanation**

The bridge queue should be defined with an index type of CORRELID. This is required if the queue is a shared queue and strongly recommended for private queues.

### **System action**

If the bridge queue is shared, the bridge monitor does not start. Otherwise, processing continues.

### **System programmer response**

Alter the queue definition to specify the required index type and restart the bridge monitor.

## **CSQC767I: *transid taskid* Unable to open backout-queue queue, MQRC=*mqrc***

### **Explanation**

The backout-queue queue defined to the bridge queue could not be opened.

### **System action**

Messages will be sent to the dead-letter queue instead.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC768E: *transid taskid* Backout-queue queue not defined as local**

### **Explanation**

The backout-queue queue is not defined as a local queue.

### **System action**

Messages will be sent to the dead-letter queue instead.

### **System programmer response**

Redefine the backout-queue queue as a local queue.

## **CSQC769I: *transid taskid* Unable to inquire on backout-queue queue, MQRC=*mqrc***

### **Explanation**

An MQINQ call on the backout-queue queue failed.

### **System action**

Messages will be sent to the dead-letter queue instead.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC770I: *transid taskid* Backout-requeue queue not defined with USAGE(NORMAL)**

### **Explanation**

The backout-requeue queue is not defined correctly.

### **System action**

Messages will be sent to the dead-letter queue instead.

### **System programmer response**

Ensure the backout-requeue queue is not defined as a transmission queue.

## **CSQC771I: *transid taskid* Unable to put message to backout-requeue queue, MQRC=*mqrc***

### **Explanation**

An MQPUT to the backout-requeue queue failed.

### **System action**

Messages will be sent to the dead-letter queue instead.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

## **CSQC772E: *transid taskid* Invalid FacilityLike value (xxx) in message**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_FACILITYLIKE\_INVALID, because the FacilityLike field of the MQCIH header in the input message was invalid. It must correspond to an installed terminal that is to be used as a model for the bridge facility.

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Correct the FacilityLike field to specify the name of a terminal installed on the CICS system or install a terminal with the required name.



## **CSQC773E: *transid taskid* Invalid or expired Facility token in message**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_INVALID\_FACILITYTOKEN or BRIHRC\_FACILITYTOKEN\_IN\_USE, because the Facility field of the MQCIH header in the input message was invalid. The value must be zero on the first request of a sequence of 3270 bridge messages, and the value that is returned in the reply message must then be used in subsequent messages. The token expires after the time specified in the FacilityKeepTime field of the first message. The token cannot be used by more than one sequence of bridge messages.

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Check the application to ensure that the correct Facility token is being used and that it has not expired. If necessary, increase the FacilityKeepTime so that the token does not expire before the sequence of messages has been processed.

## **CSQC774E: *transid taskid* Unable to start transaction on CICS system *sys-name***

### **Explanation**

The RemoteSysId field of the MQCIH message header is non-blank, but the specified name *sys-name* is not known to CICS or there is no active CICS connection to that remote system.

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Ensure that the specified CICS system is running and that there is an active CICS Intersystem communication connection to it from the system running the bridge monitor.

## **CSQC775I: *transid taskid* Unable to start transaction on this CICS system**

### **Explanation**

The RemoteSysId field of the MQCIH message header is blank, but the specified Facility token is not known to CICS. The bridge monitor does not know which CICS system allocated the token and so leaves the message on the queue for

another bridge monitor to process. If the token is invalid or expired this may result in the message never being processed.

### **System programmer response**

Ensure that the RemoteSysId field of all messages except the first of a sequence contains the RemoteSysId returned in the previous reply message. This will ensure messages are routed directly to the correct CICS region, improve performance, and prevent the possibility of unprocessed messages.

## **CSQC776E: *transid taskid* Invalid FacilityKeepTime value (nnn) in message**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_INVALID\_KEEPTIME, because the FacilityKeepTime field of the MQCIH message header was zero or greater than the maximum allowed keep time (as controlled by the BRMAXKEEPTIME CICS system initialization parameter).

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Ensure that the FacilityKeepTime field of the first message in a 3270 transaction sequence contains a value within the valid range.

## **CSQC777E: *transid taskid* Link3270 error, RC=code**

### **Explanation**

The CICS Link3270 program DFHL3270 returned an unexpected return code.

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Use the CICS COBOL copy book DFHBRIHO to find the symbolic name of the return code from the numeric value *code* reported in the message. Then refer to 'BRIH-RETURNCODE values' in the *CICS External Interfaces Guide* to determine the meaning of the return code from DFHL3270. Correct the input message accordingly.

**CSQC778E: *transid taskid Abend abend-code in transaction tran-id***

**Explanation**

A CICS abend occurred in a transaction running under the CICS link bridge.

**System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

**System programmer response**

Determine the cause of the abend and correct the underlying problem using normal CICS diagnostic techniques.

**CSQC779E: *transid taskid Mapset does not match, mapset-id expected, mapset-id received***

**Explanation**

The mapset name in a receive map vector does not match the name requested. The bridge task cannot interpret the application data structure.

**System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

**System programmer response**

Ensure the mapset name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

**CSQC780E: *transid taskid Map name does not match, map-id expected, map-id received***

**Explanation**

The map name in a receive map vector does not match the name requested. The bridge task cannot interpret the application data structure.

**System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

**System programmer response**

Ensure the map name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

## **CSQC781E: *transid taskid* Invalid bridge vector**

### **Explanation**

The bridge input vector was invalid. Possible errors are:

- The vector length is greater than the message length
- The vector type is not recognized
- A field length is greater than its defined length
- A field input data length is greater than the defined length of the field

The ErrorOffset field of the MQCIH header indicates the position within the message where the error was detected (although the actual error may have caused by a problem earlier in the message).

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Ensure the map name in the input message matches the name expected by the CICS transaction and returned in the preceding receive map request vector.

## **CSQC782E: *transid taskid* File DFHBRNSF not available**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_DHFBRNSF\_UNAVAILABLE, because the CICS bridge facility name space file, DFHBRNSF, was not available for use by CICS.

### **System action**

The input messages are backed out to the backout-requeue queue or dead-letter queue.

### **System programmer response**

Ensure the DFHBRNSF file is defined and available to CICS.

For information about defining this file, see 'Defining the bridge facility' in the *CICS External Interfaces Guide*.

## **CSQC783I: *transid taskid* Msg=msgdest, PassTktA=applid**

### **Explanation**

This confirms the bridge monitor start options.

## **CSQC784E: *transid taskid* Input=parm\_string**

### **Explanation**

An error was found in the bridge start input parameters. *parm\_string* shows the input parameters starting at the point where the error was detected.

### **System programmer response**

Correct the parameter in error and restart the bridge monitor.

## **CSQC785E: *transid taskid* Link3270 routing failed – not supported by CICS system**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_ROUTING\_BACKLEVEL\_CICS, because the Link3270 request was routed to a CICS system that does not support Link3270.

### **System programmer response**

Correct the CICS transaction routing definitions. The target CICS system must be CICS Transaction Server Version 2 Release 2 or higher.

For information about Link3270 see 'Bridging to 3270 transactions' in the *CICS External Interfaces Guide*.

## **CSQC786E: *transid taskid* Link3270 routing failed – connection error**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_ROUTING\_CONNECTION, because a connection error did not allow the Link3270 request to be routed to the remote region.

### **System programmer response**

Correct the CICS transaction routing definitions. The target CICS system must be active and connected.

For information about Link3270 see 'Bridging to 3270 transactions' in the *CICS External Interfaces Guide*.

## **CSQC787E: *transid taskid* Link3270 routing failed – TERMERR**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_ROUTING\_TERMERR, because the EXEC CICS LINK from the DFHL3270 to the target region failed with TERMERR.

### **System programmer response**

Correct the CICS transaction routing definitions.

For information about Link3270 see 'Bridging to 3270 transactions' in the *CICS External Interfaces Guide*.

## **CSQC788E: *transid taskid* Link3270 routing failed – TRANDEF error**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_ROUTING\_TRANDEF\_ERROR, because the TRANSACTION resource definition in the routing region did not allow the transaction to be routed to the chosen target region.

### **System programmer response**

Correct the CICS transaction routing definitions.

For information about Link3270 see 'Bridging to 3270 transactions' in the *CICS External Interfaces Guide*.

## **CSQC789E: *transid taskid* Link3270 routing failed – URM error, RC=code CompCode=compcode**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_ROUTING\_URM\_LINK\_FAILED or BRIHRC\_ROUTING\_URM\_REJECTED, because the link to the dynamic routing User Replaceable Module (URM) failed or was rejected by the URM.

### **System programmer response**

Correct the CICS transaction routing definitions.

For information about the codes *code* and *compcode* from Link3270 see 'BRIH-RETURNCODE values' in the *CICS External Interfaces Guide*.

## **CSQC790E: *transid taskid* Transaction not running**

### **Explanation**

The CICS Link3270 program DFHL3270 returned code BRIHRC\_TRANSACTION\_NOT\_RUNNING, because there was no transaction currently running on the bridge facility so the data from the MQ message could not be passed to the transaction.

### **System programmer response**

Check the state of the CICS system.

For information about Link3270 see 'Bridging to 3270 transactions' in the *CICS External Interfaces Guide*.

### **CSQC791E: *transid taskid* Invalid header format found in message**

#### **Explanation**

The length field in the header is less than the minimum header length or greater than the actual message message length.

#### **System programmer response**

Ensure that the input message contains only valid MQ headers. Only MQH-type headers with standard header-chaining fields may appear in a bridge message before the MQCIH header and/or application data.

### **CSQC792I: *transid taskid* RouteMEM=Y/N**

#### **Explanation**

This confirms the bridge monitor start options.

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## **Coupling Facility manager messages (CSQE...)**

The value shown for *struc-name* in the coupling facility manager messages that follow is the 12-character name as used by WebSphere® MQ. The external name of such CF structures for use by z/OS is formed by prefixing the MQ name with the name of the queue-sharing group to which the queue manager is connected.

### **CSQE005I: Structure *struc-name* connected as conn-name, version=version**

#### **Explanation**

The queue manager has successfully connected to structure *struc-name*.

#### **System action**

Processing continues. The queue manager can now access the CF structure.

### **CSQE006I: Structure *struc-name* connection name *conn-name* disconnected**

#### **Explanation**

The queue manager has disconnected from CF structure *struc-name*.

#### **System action**

Processing continues.

**CSQE007I: event-type event received for structure *struc-name*  
connection name *conn-name***

**Explanation**

The queue manager has received XES event *event-type* for CF structure *struc-name*.

**System action**

Processing continues.

**System programmer response**

Examine the event code to determine what event was issued. The event codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

**CSQE008I: Recovery event from *qmgr-name* received for  
structure *struc-name***

**Explanation**

The queue manager issued a peer level recovery event for CF structure *struc-name*.

**System action**

Processing continues. The queue manager will begin peer level recovery processing.

**CSQE011I: Recovery phase 1 started for structure *struc-name*  
connection name *conn-name***

**Explanation**

Peer level recovery has started phase one of its processing, following the failure of another queue manager in the queue-sharing group.

**System action**

Processing continues.

**System programmer response**

Determine why a queue manager within the queue-sharing group failed.

**CSQE012I: Recovery phase 2 started for structure *struc-name*  
connection name *conn-name***

**Explanation**

Peer level recovery has started phase two of its processing.



### **System action**

Processing continues.

## **CSQE013I: Recovery phase 1 completed for structure *struc-name* connection name *conn-name***

### **Explanation**

Peer level recovery has completed phase one of its processing.

### **System action**

Processing continues.

## **CSQE014I: Recovery phase 2 completed for structure *struc-name* connection name *conn-name***

### **Explanation**

Peer level recovery has completed phase two of its processing.

### **System action**

Processing continues.

## **CSQE015I: Recovery phase 2 not attempted for structure *struc-name* connection name *conn-name***

### **Explanation**

Phase two of peer level recovery processing was not attempted because of a previous error in phase one on one of the participating queue managers.

### **System action**

Processing continues. The connection will be recovered by the failed queue manager when it restarts.

### **System programmer response**

Investigate the cause of the error, as reported in the preceding messages.

## **CSQE016E: Structure *struc-name* connection name *conn-name* disconnected, RC=*return-code* reason=*reason***

### **Explanation**

The queue manager has disconnected from CF structure *struc-name*.

### **System action**

Processing continues.

## System programmer response

Examine the return and reason codes to determine why the CF structure was disconnected. The codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

## CSQE018I: Admin structure data building started

### Explanation

The queue manager is building its own data for the administration structure.

### System action

Processing continues.

## CSQE019I: Admin structure data building completed

### Explanation

The queue manager has built its own data for the administration structure.

### System action

Processing continues.

## CSQE020E: Structure *struc-name* connection as *conn-name* failed, RC=*return-code* reason=*reason* codes=*s1 s2 s3*

### Explanation

The queue manager failed to connect to CF structure *struc-name*.

### System action

This depends on the component that caused the connection request (queue manager or channel initiator) and the reason for connecting to the CF structure. The component may terminate, or may continue processing but with functions that require the structure inhibited.

### System programmer response

Examine the return and reason codes to determine why the connect failed. Codes *s1 s2 s3* are the XES IXLCONN diagnosis codes, which are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

## CSQE021I: Structure *struc-name* connection as *conn-name* warning, RC=*return-code* reason=*reason* codes=*s1 s2 s3*

### Explanation

The queue manager has successfully connected to CF structure *struc-name*, but the XES IXLCONN call returned with a warning.

## System action

Processing continues.

## System programmer response

Examine the return and reason codes to determine why the connect warning message was issued. Codes *s1 s2 s3* are the XES IXLCONN diagnosis codes, which are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

## CSQE022E: Structure *struc-name* unusable, size is too small

### Explanation

The queue manager cannot use the named CF structure because its size is less than the minimum that MQ requires.

### System action

The queue manager disconnects from the CF structure, which becomes unusable. If it is an application structure, the queues that use the structure are not usable. If it is the administration structure, the queue manager terminates with completion code X'6C6' and reason code X'00C53000'.

### System programmer response

Increase the size of the CF structure to at least the minimum size required. See the WebSphere MQ for z/OS System Setup Guide for guidance on required structure sizes.

If the structure is allocated and the Coupling Facility Resource Manager policy allows the size of it to be increased, use the z/OS command SETXCF START,ALTER,STRNAME=*ext-struc-name*,SIZE=*newsiz*e. If the policy does not so allow, or there is insufficient space in the Coupling Facility that hosts the structure, the policy must be altered; then the structure can be rebuilt using the z/OS command SETXCF START,REBUILD,STRNAME=*ext-struc-name*. (In these commands, *ext-struc-name* is formed by prefixing *struc-name* with the queue-sharing group name.)

If the structure is not allocated, alter the policy to specify a larger INITSIZE for the structure.

## CSQE024E: Incorrect coupling facility level *level1*, required *level2*

### Explanation

The queue manager cannot join the queue-sharing group because the version of z/OS or OS/390<sup>®</sup> being used supports only CF level *level1*, but MQ requires at least level *level2*.

### System action

CF support is not active.

### System programmer response

Upgrade z/OS or OS/390 and the coupling facility as necessary.

## **CSQE025E: Invalid UOW for *qmgr-name* in list *list-id* cannot be recovered, key=*uow-key***

### Explanation

A unit-of-work descriptor was read during recovery processing that contained unexpected data. The descriptor was for the indicated queue manager; it was in the coupling facility list *list-id* and had key *uow-key* (shown in hexadecimal).

### System action

The unit-of-work in error cannot be processed and the descriptor is marked as being in error. Processing continues.

### System programmer response

Take a dump of the indicated list in your coupling facility administration structure for queue manager *qmgr-name* and contact your IBM support center.

## **CSQE026E: Structure *struc-name* unusable, incorrect coupling facility level *level1*, required *level2***

### Explanation

The queue manager cannot use the named CF structure because it has been allocated in a CF which supports level *level1*, but MQ requires at least level *level2*.

### System action

The queues that use the CF structure are not usable.

### System programmer response

Either upgrade the coupling facility, or use a CF structure which is in a CF running level *level2* or above.

## **CSQE027E: Structure *struc-name* unusable, vector size *n1* incorrect, required *n2***

### Explanation

The queue manager cannot use the named CF structure because it has been allocated a list notification vector of size *n1*, but MQ requires at least size *n2*. This is probably because there is not enough available hardware storage area (HSA) for the vector.

### System action

The queues that use the CF structure are not usable.

## System programmer response

You cannot adjust the amount of HSA defined for your processor. Instead, retry the application (or other process) which was attempting to open the shared queue. If the problem persists, contact your IBM support center for assistance.

## CSQE028I: Structure *struc-name* reset, all messages discarded

### Explanation

When it tried to connect to the named CF structure, the queue manager detected that the structure had been deleted, so a new empty structure has been created.

### System action

All the messages on the queues that use the CF structure are deleted.

## CSQE029E: Structure *struc-name* unusable, version *v1* differs from group version *v2*

### Explanation

The queue manager cannot use the named CF structure because the version number of the structure differs from that of the queue-sharing group.

### System action

The queue manager disconnects from the CF structure, which becomes unusable. If it is an application structure, the queues that use the structure are not usable. If it is the administration structure, the queue manager terminates with completion code X'6C6' and reason code X'00C51057'.

### System programmer response

Check that the configuration of your queue manager, queue-sharing group, and data-sharing group is correct. If so, deallocate the CF structure using the z/OS commands SETXCF FORCE,CON and SETXCF FORCE,STRUCTURE. (In these commands, the structure name is formed by prefixing *struc-name* with the queue-sharing group name.)

## CSQE030I: Serialized application cannot start, admin structure data incomplete

### Explanation

A serialized application attempted to start, but it could not do so because one or more queue managers in the queue-sharing group has not completed building its data for the administration structure. Messages CSQE031I and CSQE032I precede this message to identify such queue managers.

### System action

The application is not started. The MQCONN call that it issued to connect to the queue manager fails with a completion code of MQCC\_FAILED and a reason code

of MQRC\_CONN\_TAG\_NOT\_USABLE. (See API completion and reason codes for more information about these codes.)

### **System programmer response**

Restart any queue managers identified by message CSQE032I. When all the queue managers identified in messages CSQE031I or CSQE032I have built their data for the administration structure (as shown by message CSQE019I), restart the application.

## **CSQE031I: Admin structure data from *qmgr-name* incomplete**

### **Explanation**

Some functions are not yet available because the indicated queue manager has not completed building its data for the administration structure.

### **System action**

Processing continues. The functions will be available when all the queue managers identified by messages CSQE031I and CSQE032I have issued message CSQE019I.

## **CSQE032I: Admin structure data from *qmgr-name* unavailable**

### **Explanation**

Some functions are not yet available because the indicated queue manager is not active and therefore its data for the administration structure is not available.

### **System action**

Processing continues.

### **System programmer response**

Start the indicated queue manager. The functions will be available when all the queue managers identified by messages CSQE031I or CSQE032I have issued message CSQE019I.

## **CSQE033E: Recovery phase 1 failed for structure *struc-name* connection name *conn-name*, RC=*return-code* reason=*reason***

### **Explanation**

An error occurred during phase one of peer level recovery processing. The recovery attempt is terminated. *return-code* and *reason* are the diagnosis codes (in hexadecimal) from an XES IXL call.

### **System action**

Processing continues. The connection will be recovered by the failed queue manager when it restarts.

## System programmer response

See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about the XES IXL diagnosis codes. Restart the queue manager that failed; if it is unable to recover, contact your IBM support center.

## **CSQE034E: Recovery phase 2 failed for structure *struc-name* connection name *conn-name*, RC=*return-code* reason=*reason***

### Explanation

An error occurred during phase two of peer level recovery processing. The recovery attempt is terminated. *return-code* and *reason* are the diagnosis codes (in hexadecimal) from an XES IXL call.

### System action

Processing continues. The connection will be recovered by the failed queue manager when it restarts.

### System programmer response

See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about the XES IXL diagnosis codes. Restart the queue manager that failed; if it is unable to recover, contact your IBM support center.

## **CSQE035E: *csect-name* Structure *struc-name* in failed state, recovery needed**

### Explanation

The queue manager attempted to use CF structure *struc-name*, but it is in a failed state. The failure occurred previously; it was not caused by the current use of the structure.

### System action

Processing continues, but queues that use this CF structure will not be accessible.

### System programmer response

Check the console for messages from XES relating to the earlier failure, and investigate the cause. See the *z/OS MVS Programming: Sysplex Services Reference* manual for information about diagnosing problems in XES.

When the problem is resolved, issue a RECOVER CFSTRUCT command specifying TYPE(NORMAL) for this and any other failed CF structure.

## **CSQE040I: Structure *struc-name* should be backed up**

### **Explanation**

The latest backup for the named CF structure is not very recent. Unless backups are taken frequently, the time to recover persistent messages on shared queues may become excessive.

The message is issued at checkpoint time if the queue manager was the one that took the last backup, or if it has used the structure since the last backup was taken.

### **System action**

Processing continues.

### **System programmer response**

Use the BACKUP CFSTRUCT command (on any queue manager in the queue-sharing group) to make a new CF structure backup. You are recommended to set up a procedure to take frequent backups automatically.

## **CSQE041E: Structure *struc-name* backup is more than a day old**

### **Explanation**

The latest backup for the named CF structure is more than one day old. Unless backups are taken frequently, the time to recover persistent messages on shared queues may become excessive.

The message is issued at checkpoint time if the queue manager was the one that took the last backup, or if it has used the structure since the last backup was taken.

### **System action**

Processing continues.

### **System programmer response**

Use the BACKUP CFSTRUCT command (on any queue manager in the queue-sharing group) to make a new CF structure backup. You are recommended to set up a procedure to take frequent backups automatically.

## **CSQE101I: *csect-name* Unable to backup or recover structure *struc-name*, structure in use**

### **Explanation**

A BACKUP or RECOVER CFSTRUCT command was issued for a CF structure that is in use by another process. The most likely cause is that another BACKUP or RECOVER CFSTRUCT command is already in progress.



### **System action**

Processing of the command is terminated.

### **System programmer response**

Check that the correct CF structure name was entered on the command. If so, wait until the current process ends before reissuing the command if required.

## **CSQE102E: *csect-name* Unable to recover structure *struc-name*, not in failed state**

### **Explanation**

A RECOVER CFSTRUCT command was issued for a CF structure that is not in a failed state. Only a CF structure that has previously failed can be recovered.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Check that the correct CF structure name was entered on the command.

## **CSQE103E: *csect-name* Unable to recover structures, admin structure data incomplete**

### **Explanation**

A RECOVER CFSTRUCT command was issued, but recovery could not be performed because one or more queue managers in the queue-sharing group has not completed building its data for the administration structure.

### **System action**

Messages CSQE031I and CSQE032I are sent to the z/OS console to identify such queue managers. Processing of the command is terminated.

### **System programmer response**

Restart any queue managers identified by message CSQE032I. When all the queue managers identified in messages CSQE031I or CSQE032I have built their administration structure data (as shown by message CSQE019I), reissue the command.

## **CSQE104I: *csect-name* RECOVER task initiated for structure *struc-name***

### **Explanation**

The queue manager has successfully started a task to process the RECOVER CFSTRUCT command for the named CF structure.

### **System action**

Processing continues.

## **CSQE105I: *csect-name* BACKUP task initiated for structure *struc-name***

### **Explanation**

The queue manager has successfully started a task to process the BACKUP CFSTRUCT command for the named CF structure.

### **System action**

Processing continues.

## **CSQE106E: *csect-name* Unable to backup structure *struc-name*, reason=*reason***

### **Explanation**

A BACKUP CFSTRUCT command was issued for a CF structure, but the backup could not be performed.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Examine the reason code to determine why the CF structure could not be backed-up. The codes are described in the *z/OS MVS Programming: Sysplex Services Reference* manual.

## **CSQE107E: *csect-name* Unable to backup or recover structure *struc-name*, structure has never been used**

### **Explanation**

A BACKUP or RECOVER CFSTRUCT command was issued for a CF structure that has never been used, and so does not contain any messages or data.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Check that the correct CF structure name was entered on the command.

## **CSQE108E: *csect-name* Unable to backup or recover structure *struc-name*, structure does not support recovery**

### **Explanation**

A BACKUP or RECOVER CFSTRUCT command was issued for a CF structure whose functional capability is incompatible with this command; for example, the CF structure level is not high enough to support recovery, or the RECOVER attribute is set to NO.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Ensure that the CF structure is at a level of functional capability that allows the use of the BACKUP or RECOVER CFSTRUCT command and that its MQ RECOVER attribute is set to YES. You can check the values using the DIS CFSTRUCT(\*) ALL command. Check that the correct CF structure name was entered on the command.

## **CSQE109E: *csect-name* Unable to recover structure *struc-name*, no backup information available**

### **Explanation**

A RECOVER CFSTRUCT command was issued for a CF structure, but no backup information could be found.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Check that the correct CF structure name was entered on the command. If so, issue a BACKUP CFSTRUCT command to ensure that backup information is available.

## **CSQE120I: Backup of structure *struc-name* started at RBA=*rba***

### **Explanation**

The named CF structure is being backed-up in response to a BACKUP CFSTRUCT command. The backup begins at the indicated RBA.

### **System action**

Processing continues.

**CSQE121I: *csect-name* Backup of structure *struc-name* completed at RBA=*rba*, size *n* MB**

**Explanation**

The named CF structure has been backed-up successfully. The backup ends at the indicated RBA, and *n* is its approximate size in megabytes.

**System action**

Processing continues.

**CSQE130I: Recovery of structure *struc-name* started, using *qmgr-name* log range from RBA=*from-rba* to RBA=*to-rba***

**Explanation**

The named CF structure is being recovered from the log of queue manager *qmgr-name*. The log range to be used is shown.

**System action**

Processing continues.

**CSQE131I: *csect-name* Recovery of structure *struc-name* completed**

**Explanation**

The named CF structure has been recovered successfully. The structure is available for use again.

**System action**

Processing continues.

**CSQE132I: Structure recovery started, using *qmgr-name* log range from LRSN=*from-lrsn* to LRSN=*to-lrsn***

**Explanation**

CF structure recovery is starting in response to a RECOVER CFSTRUCT command. It must read the log range shown in order to determine how to perform recovery. The logs are read backwards, from the latest failure time of the structures to be recovered to the earliest last successful backup time of those structures.

**System action**

Processing continues.

## **CSQE133I: Structure recovery reading log backwards, LRSN=lrsn**

### **Explanation**

This is issued periodically during log reading by CF structure recovery to show progress. The log range that needs to be read is shown in the preceding CSQE132I message.

### **System action**

Processing continues.

### **System programmer response**

If this message is issued repeatedly with the same LRSN value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

## **CSQE134I: Structure recovery reading log completed**

### **Explanation**

CF structure recovery has completed reading the logs. The individual structures can now be recovered.

### **System action**

Each CF structure is recovered independently, as shown by messages CSQE130I and CSQE131I.

## **CSQE135I: Recovery of structure *struc-name* reading log, RBA=*rba***

### **Explanation**

This is issued periodically during log reading for recovering the named CF structure to show progress. The log range that needs to be read is shown in the preceding CSQE130I message.

### **System action**

Processing continues.

### **System programmer response**

If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

---

## Security manager messages (CSQH...)

### CSQH001I: Security using uppercase classes

#### Explanation

This message is issued to inform you that security is currently using the uppercase classes MQPROC, MQNLIST, MQQUEUE and MQADMIN.

#### Severity

0

### CSQH002I: Security using mixed case classes

#### Explanation

This message is issued to inform you that security is currently using the mixed case classes MXPROC, MXNLIST, MXQUEUE and MXADMIN

#### Severity

0

### CSQH003I: Security refresh did not take place for class class-name

#### Explanation

This message follows message CSQH004I when an attempt to refresh class MQPROC, MQNLIST, or MQQUEUE was unsuccessful because of a return code from a SAF RACROUTE REQUEST=STAT call. The return code is given in message CSQH004I.

#### Severity

4

#### System action

The refresh does not occur.

#### System programmer response

Check that the class in question (*class-name*) is set up correctly. See message CSQH004I for the reason for the problem.

## **CSQH004I: *csect-name* STAT call failed for class *class-name*, SAF return code=*saf-rc*, ESM return code=*esm-rc***

### **Explanation**

This message is issued as a result of a SAF RACROUTE REQUEST=STAT call to your external security manager (ESM) returning a non-zero return code at one of the following times:

- During initialization, or in response to a REFRESH SECURITY command  
If the return codes from SAF and your ESM are not zero, and are unexpected, this will cause abnormal termination with one of the following reason codes:
  - X'00C8000D'
  - X'00C80032'
  - X'00C80038'
- In response to a REFRESH SECURITY command.  
If the return codes from SAF and your ESM are not zero (for example, because a class is not active because you are not going to use it) this message is returned to the issuer of the command to advise that the STAT call failed.

Possible causes of this problem are:

- The class is not installed
- The class is not active
- The external security manager (ESM) is not active
- The RACF® z/OS router table is incorrect

### **Severity**

8

### **System programmer response**

To determine if you need to take any action, see the *Security Server External Security Interface (RACROUTE) Macro Reference* for more information about the return codes.

## **CSQH005I: *csect-name* resource-type In-storage profiles successfully listed**

### **Explanation**

This message is issued in response to a REFRESH SECURITY command that caused the in-storage profiles to be RACLISTED (that is, rebuilt); for example, when the security switch for a resource is set on, or a refresh for a specific class is requested that requires the in-storage tables to be rebuilt.

### **Severity**

0

### **System programmer response**

This message is issued so that you can check the security configuration of your queue manager.

## **CSQH006I: Error returned from CSQTTIME, security timer not started**

### **Explanation**

An error was returned from the MQ timer component, so the security timer was not started.

### **Severity**

8

### **System action**

The queue manager terminates abnormally, with a reason code of X'00C80042'.

### **System programmer response**

Refer to "Security manager codes (X'C8)" on page 729 for an explanation of the reason code.

## **CSQH007I: Reverify flag not set for *userid* user-id, no entry found**

### **Explanation**

A user identifier (*user-id*) specified in the RVERIFY SECURITY command was not valid because there was no entry found for it in the internal control table. This could be because the identifier was entered incorrectly in the command, or because it was not in the table (for example, because it had timed-out).

### **Severity**

0

### **System action**

The user identifier (*user-id*) is not flagged for reverify.

### **System programmer response**

Check that the identifier was entered correctly.

## **CSQH008I: Subsystem security not active, no userids processed**

### **Explanation**

The RVERIFY SECURITY command was issued, but the subsystem security switch is off, so there are no internal control tables to flag for reverification.

### **Severity**

0



## CSQH009I: Errors occurred during security timeout processing

### Explanation

This message is sent to the system log either:

- If an error occurs during security timeout processing (for example, a nonzero return code from the external security manager (ESM) during delete processing)
- Prior to a message CSQH010I if a nonzero return code is received from the timer (CSQTTIME) during an attempt to restart the security timer

### Severity

8

### System action

Processing continues.

### System programmer response

Contact your IBM support center to report the problem.

## CSQH010I: *csect-name* Security timeout timer not restarted

### Explanation

This message is issued to inform you that the security timeout timer is not operational. The reason for this depends on which of the following messages precedes this one:

#### CSQH009I

An error occurred during timeout processing

#### CSQH011I

The timeout interval has been set to zero

### Severity

8

### System action

If this message follows message CSQH009I, the queue manager ends abnormally with one of the following reason codes:

*csect-name*

**Reason code**

#### CSQHTPOP

X'00C80040'

#### CSQHPATC

X'00C80041'

## System programmer response

Refer to “Security manager codes (X’C8’)” on page 729 for information about the reason code.

## CSQH011I: *csect-name* Security interval is now set to zero

### Explanation

The ALTER SECURITY command was entered with the INTERVAL attribute set to 0. This means that no user timeouts will occur.

### Severity

0

## System programmer response

This message is issued to warn you that no security timeouts will occur. Check that this is what was intended.

## CSQH012I: Errors occurred during ALTER SECURITY timeout processing

### Explanation

This message is issued in response to an ALTER SECURITY command if errors have been detected during timeout processing (for example, a nonzero return code from the external security manager (ESM) during timeout processing).

### Severity

8

## System action

Processing continues.

## System programmer response

Contact your IBM support center to report the problem.

## CSQH013E: *csect-name* Case conflict for class *class-name*

### Explanation

A REFRESH SECURITY command was issued, but the case currently in use for the class *class-name* differs from the system setting and if refreshed would result in the set of classes using different case settings.

### Severity

8

**System action**

The refresh does not occur.

**System programmer response**

Check that the class in question (*class-name*) is set up correctly and that the system setting is correct. If a change in case setting is required, issue the REFRESH SECURITY(\*) command to change all classes.

**CSQH015I: Security timeout = number minutes****Explanation**

This message is issued in response to the DISPLAY SECURITY TIMEOUT command, or as part of the DISPLAY SECURITY ALL command.

**Severity**

0

**CSQH016I: Security interval = number minutes****Explanation**

This message is issued in response to the DISPLAY SECURITY INTERVAL command, or as part of the DISPLAY SECURITY ALL command.

**Severity**

0

**CSQH017I: Security refresh completed with errors in signoff****Explanation**

This message is issued when an error has been detected in refresh processing; for example, a nonzero return code from the external security manager (ESM) during signoff or delete processing.

**Severity**

8

**System action**

Processing continues.

**System programmer response**

Contact your IBM support center to report the problem.

## **CSQH018I: *csect-name* Security refresh for resource-type not processed, security switch set OFF**

### **Explanation**

A REFRESH SECURITY command was issued for resource type *resource-type*. However, the security switch for this type or the subsystem security switch is currently set off.

**Note:** This message is issued only for resource types MQQUEUE, MQPROC, and MQNLIST, because MQADMIN is always available for refresh.

### **Severity**

0

### **System programmer response**

Ensure that the REFRESH SECURITY request was issued for the correct resource type.

## **CSQH019I: Keyword values are incompatible**

### **Explanation**

The REFRESH SECURITY command was issued, but the command syntax is incorrect because a keyword value that is specified conflicts with the value for another keyword.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for more information about the REFRESH SECURITY command.

## **CSQH021I: *csect-name switch-type* security switch set OFF, profile 'profile-type' found**

### **Explanation**

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because the named security profile has been found.

### **Severity**

0

## System action

If the subsystem security switch is set off, you will get only one message (for that switch).

## System programmer response

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the WebSphere MQ for z/OS System Setup Guide for information about setting security switches.

## **CSQH022I: *csect-name switch-type* security switch set ON, profile 'profile-type' found**

### Explanation

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set ON because the named security profile has been found.

### Severity

0

## System programmer response

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the WebSphere MQ for z/OS System Setup Guide for information about setting security switches.

## **CSQH023I: *csect-name switch-type* security switch set OFF, profile 'profile-type' not found**

### Explanation

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because the named security profile has not been found.

### Severity

0

## System action

If the subsystem security switch is set off, you will get only one message (for that switch).

## System programmer response

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the WebSphere MQ for z/OS System Setup Guide for information about setting security switches.

## **CSQH024I: *csect-name switch-type* security switch set ON, profile 'profile-type' not found**

### **Explanation**

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set ON because the named security profile has not been found.

### **Severity**

0

### **System programmer response**

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the WebSphere MQ for z/OS System Setup Guide for information about setting security switches.

## **CSQH025I: *csect-name switch-type* security switch set OFF, internal error**

### **Explanation**

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that is set OFF because an error occurred.

### **Severity**

0

### **System action**

The message may be issued in conjunction with message CSQH004I when an unexpected setting is encountered for a switch.

### **System programmer response**

See message CSQH004I for more information.

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager.

## **CSQH026I: *csect-name switch-type* security switch forced ON, profile 'profile-type' overridden**

### **Explanation**

This message is issued during queue manager initialization and in response to a REFRESH SECURITY command for each security switch that was forced ON. This happens when an attempt was made to turn off both the queue manager and queue-sharing group security switches for the named profile, which is not allowed.

## Severity

0

## System programmer response

Correct the profiles for the queue manager and queue-sharing group security switches, and refresh security if required.

Messages CSQH021I through CSQH026I are issued so that you can check the security configuration of your queue manager. See the WebSphere MQ for z/OS System Setup Guide for information about setting security switches.

## CSQH030I: Security switches ...

### Explanation

This is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command and is followed by messages CSQH031I through CSQH036I for each security switch to show its setting and the security profile used to establish it.

### Severity

0

### System action

If the subsystem security switch is set off, you will get only one message (for that switch). Otherwise, a message is issued for each security switch.

## CSQH031I: *switch-type* OFF, 'profile-type' found

### Explanation

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because the named security profile has been found.

### Severity

0

### System action

If the subsystem security switch is set off, you will get only one message (for that switch).

## CSQH032I: *switch-type* ON, 'profile-type' found

### Explanation

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set ON because the named security profile has been found.

**Severity**

0

**CSQH033I: *switch-type* OFF, 'profile-type' not found****Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because the named security profile has not been found.

**Severity**

0

**System action**

If the subsystem security switch is set off, you will get only one message (for that switch).

**CSQH034I: *switch-type* ON, 'profile-type' not found****Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set ON because the named security profile has not been found.

**Severity**

0

**CSQH035I: *switch-type* OFF, internal error****Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that is set OFF because an error occurred during initialization or when refreshing security.

**Severity**

0

**System action**

The message may be issued when an unexpected setting is encountered for a switch.

**System programmer response**

Check all your security switch settings. If required, correct them and refresh your security.



## **CSQH036I: *switch-type* ON, 'profile-type' overridden**

### **Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command for each security switch that was forced ON. This happens when an attempt was made to turn off both the queue manager and queue-sharing group security switches for the named profile, which is not allowed.

### **Severity**

0

### **System programmer response**

Correct the profiles for the queue manager and queue-sharing group security switches, and refresh security if required.

## **CSQH037I: Security using uppercase classes**

### **Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command to inform you that security is currently using the uppercase classes MQPROC, MQNLIST, MQQUEUE and MQADMIN.

### **Severity**

0

## **CSQH038I: Security using mixed case classes**

### **Explanation**

This message is issued in response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command to inform you that security is currently using the mixed case classes MXPROC, MXNLIST, MXQUEUE and MXADMIN.

### **Severity**

0

---

## **Data manager messages (CSQI...)**

### **CSQI002I: *csect-name* Page set *psid* value out of range**

#### **Explanation**

One of the following commands has been issued:

- DEFINE STGCLASS
- DISPLAY STGCLASS
- DISPLAY USAGE

The value given for the page-set identifier was not in the range 0 through 99.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Reissue the command using the correct syntax. (See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command.)

**CSQI003I: *csect-name* 'PSID' not allowed with TYPE(DATASET)****Explanation**

A DISPLAY USAGE command was issued specifying both the PSID keyword and TYPE(DATASET), which is not allowed.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Reissue the command using the correct syntax. (See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command.)

**CSQI005I: *csect-name* PAGE SET *nn* OFFLINE. RECOVERY  
RBA = *rba*****Explanation**

This message indicates that the page set *nn* is currently not accessible by the queue manager. This might be because the page set has not been defined to the queue manager with the DEFINE PSID command.

*rba* is the restart RBA for page set *nn*.

This situation can cause problems, so you should take action to correct it as soon as possible.

**Severity**

0

**System action**

Processing continues.

## System programmer response

If the page set is required, bring it online; this can be done without stopping the queue manager. Use the FORMAT function of the utility program CSQUTIL, specifying TYPE(REPLACE). Then issue a DEFINE PSID command to bring the page set back into use. Note that all units of recovery (except those that are indoubt) that involved the offline page set will have been backed out by the queue manager when the page set was last used. These indoubt units of recovery may be resolved once the page set is back in use by the queue manager.

## CSQI006I: *csect-name* COMPLETED IN-STORAGE INDEX FOR QUEUE *q-name*

### Explanation

During restart, in-storage indexes are built for non-shared queues that have the INDXTYPE attribute, which might take some time. This message records that index-building has been completed for the specified queue.

### Severity

0

### System action

Processing continues.

## CSQI007I: *csect-name* BUILDING IN-STORAGE INDEX FOR QUEUE *q-name*

### Explanation

During restart, in-storage indexes are built for non-shared queues that have the INDXTYPE attribute, which might take some time. This message records that an index is being built for the specified queue.

### Severity

0

### System action

The in-storage index is built.

## CSQI010I: Page set usage ...

### Explanation

This message is the response to the DISPLAY USAGE command. It provides information about the page set usage, as follows:

```
Page ...
set
: - n page-set-information
:
End of page set report
```

where *n* is the page set identifier. The columns of *page-set-information* are:

*Buffer pool*

The buffer pool used by the page set.

*Total pages*

The total number of 4 KB pages in the page set (this relates to the records parameter on the VSAM definition of the page set).

*Unused pages*

The number of pages that are not used (that is, available page sets).

*Persistent data pages*

The number of pages holding persistent data (these pages are being used to store object definitions and persistent message data).

*Nonpersistent data pages*

The number of pages holding nonpersistent data (these pages are being used to store nonpersistent message data).

*Expansion count*

The type of expansion used for the page set (SYSTEM, USER, or NONE), and the number of times the page set has been dynamically expanded since restart. (The maximum number of times the page set can be expanded is 123, provided that enough space is available.) If the count is large, your page set allocation may be wrong, or you may have some message processing problem.

**Note:** The page numbers are approximate because other threads might be altering the status of pages in this page set while the command is being processed.

If a page set is unavailable, *page-set-information* will be one of:

**has never been online**

if the page set has been defined, but has never been used.

**OFFLINE, recovery RBA=*rba***

if the page set is currently not accessible by the queue manager, for example because the page set has not been defined to the queue manager with the DEFINE PSID command; *rba* is the restart RBA for the page set.

**is not defined**

if the command was issued for a specific page set that is not defined to the queue manager.

Exceptionally, the last line of the report might be:

**Page set report terminated**

if there was an error in obtaining the information. The error is described in the following messages.

## Severity

0

## **CSQI012E: *csect-name* COULD NOT COMPLETE COMMAND. STORAGE EXHAUSTED**

### **Explanation**

A display of page set usage could not complete because all the available storage was exhausted.

### **Severity**

8

### **System action**

The output terminates at this point. There might be more information that has not been displayed. If this is in response to a DISPLAY USAGE command without the PSID keyword, try it again, specifying a page set identifier. This could decrease the amount of information produced, enabling it all to be displayed.

## **CSQI020I: MAXSMMSG(number)**

### **Explanation**

This message is issued in response to a DISPLAY MAXSMMSG command, and displays the maximum number of messages that a task can get or put within a single unit of recovery.

### **Severity**

0

## **CSQI021I: *csect-name* PAGE SET *psid* IS EMPTY. MEDIA RECOVERY STARTED**

### **Explanation**

The queue manager has recognized a page set with a recovery RBA of zero. It will update the page set using information in the log data sets.

### **Severity**

0

### **System action**

The queue manager rebuilds the page set.

## **CSQI022I: *csect-name* PAGE SET *psid* NEWLY ADDED**

### **Explanation**

The queue manager has recognized that page set *psid* is new to the system.

### Severity

0

## **CSQI023I: *csect-name* PAGE SET *psid* ONLINE AGAIN. MEDIA RECOVERY STARTED**

### Explanation

A page set has been redefined to the queue manager after a period offline.

### Severity

0

### System action

Any updates to the page set that are necessary are applied.

## **CSQI024I: *csect-name* Restart RBA for system as configured = *restart-rba***

### Explanation

This message gives the restart RBA (relative byte address) for the queue manager, but does not include any offline page sets in the calculation of this restart point.

This value can be used to determine where to truncate logs, if you have no offline page sets.

If you have offline page sets that you wish to add to your system at some time in the future, you must use the restart RBA given in message CSQI025I. If you truncate your logs at *rba* you might make it impossible to add the offline page sets back to the system.

### Severity

0

## **CSQI025I: *csect-name* Restart RBA including offline page sets = *restart-rba***

### Explanation

This message gives the restart RBA (relative byte address) for the queue manager, including any offline page sets.

This value can be used to determine where to truncate logs, if you have offline page sets that you wish to add to the system in the future.

### Severity

0

## **CSQI026I: *csect-name* PAGE SET *nn* DEFINED, BUT HAS NEVER BEEN ONLINE**

### **Explanation**

This message indicates that the page set *nn* has been defined, but it has never been used. Consequently, there is no restart RBA for the page set.

### **Severity**

0

### **System action**

Processing continues.

## **CSQI027I: *csect-name* PAGE SET *nn* TREATED AS A NEW PAGE SET**

### **Explanation**

This message indicates that the page set *nn* has been formatted using TYPE(NEW). It is treated as if it has been newly-added to the system, so all historical information relating to this page set is discarded. In particular, all queues that use storage classes that reference the page set will be cleared of all messages.

### **Severity**

0

### **System action**

Processing continues.

## **CSQI028E: *csect-name* PAGE SET CONFLICT FOR QUEUE *queue***

### **Explanation**

The named queue contains messages that are on a different page set from that associated with the storage class for the queue.

### **Severity**

8

### **System action**

This message might be issued more than once, each occurrence naming a different queue. The queue manager ends abnormally with reason code X'00C93800'.

### **System programmer response**

Contact your IBM support center for assistance.

**CSQI029I: *csect-name* PAGE SET *psid* IS AN OLD COPY. MEDIA RECOVERY STARTED**

**Explanation**

The queue manager has recognized that the media recovery RBA held within the page set is older than the media recovery RBA checkpointed for the page set. This is because the queue manager was started with an old copy of the page set.

**Severity**

0

**System action**

Any updates to the page set that are necessary are applied. Restart processing continues.

**CSQI030I: *csect-name* PAGE SET *nn* TREATED AS A REPLACEMENT PAGE SET**

**Explanation**

This message indicates that the page set *nn* has been formatted using TYPE(REPLACE). No media recovery will be performed on the page set.

**Severity**

0

**System action**

Processing continues.

**CSQI031I: *csect-name* THE NEW EXTENT OF PAGE SET *psid* HAS FORMATTED SUCCESSFULLY**

**Explanation**

Following the dynamic extension of page set *psid*, the new extent has been formatted successfully.

**Severity**

0

**System action**

Processing continues.



**CSQI032I: *csect-name* NEW EXTENT(S) OF *nnn* PAGES  
DISCOVERED ON PAGE SET *psid* WILL NOW BE FORMATTED**

**Explanation**

During restart, it was discovered that page set *psid* had been extended dynamically, but that *nnn* pages had not been formatted. This formatting will now be done.

**Severity**

0

**System action**

Processing continues.

**CSQI033E: *csect-name* The entries for a large message in CF  
structure (CFSTRUCT) *cf-structure-name* and DB2 entry *pleid*  
are inconsistent. The structure has been marked as failed**

**Explanation**

An MQGET call for a large message found no message payload in DB2® referenced by the entry in the CF structure.

**Severity**

8

**System action**

The structure is marked as failed. A dump is produced and processing continues. Message CSQE035E is also issued.

**System Programmer Response**

The structure can be recovered using the RECOVER CFSTRUCT command. If the problem persists, collect the items listed in "Coupling Facility Codes (X'C5)" topic under "Coupling Facility problem determination", and contact your IBM support center.

**CSQI041I: *csect-name* JOB *jobname* USER *userid* HAD ERROR  
ACCESSING PAGE SET *psid***

**Explanation**

This message is issued when there is an error on a page set. The message identifies the job name, user ID, and page set identifier associated with the error.

**Severity**

0

## **CSQI042E: *csect-name* WLM IWMCONN request failed, rc=rc reason=reason**

### **Explanation**

A Workload Management Services (WLM) connect call failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

### **Severity**

8

### **System action**

Processing continues, but WLM services are not available.

### **System programmer response**

See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call. When you have resolved the problem, you will need to restart the queue manager. If you are unable to solve the problem, contact your IBM support center for assistance.

## **CSQI043E: *csect-name* WLM *call-name* request for process *process-name* failed, rc=rc reason=reason**

### **Explanation**

A Workload Management Services (WLM) call failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

### **Severity**

8

### **System action**

Processing continues, but WLM services are not available.

### **System programmer response**

See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call. When you have resolved the problem, you will need to restart the queue manager. If you are unable to solve the problem, contact your IBM support center for assistance.

## **CSQI044I: *csect-name* Process *process-name* used by queue *q-name* was not found**

### **Explanation**

The named queue is indexed by message tokens. An action was being performed for the queue that required the use of the Workload Management Services (WLM) IWMCLSFY service. However, the process specified by the queue does not exist, so

the service name for WLM cannot be determined.

### **Severity**

0

### **System action**

A blank service name is passed to the Workload Management Services (WLM) IWMCLSFY service.

### **System programmer response**

Correct the queue or process definitions.

## **CSQI045I: *csect-name* Log RBA has reached rba. Plan a log reset**

### **Explanation**

The current log RBA is approaching the highest value that is allowed.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Plan to stop the queue manager at a convenient time and reset the logs. See the WebSphere MQ for z/OS System Administration Guide for information about resetting logs, by using the RESETPAGE function of the utility program CSQUTIL.

## **CSQI046E: *csect-name* Log RBA has reached rba. Perform a log reset**

### **Explanation**

The current log RBA is approaching the highest value that is allowed.

### **Severity**

8

### **System action**

Processing continues.

### **System programmer response**

Stop the queue manager as soon as is convenient and reset the logs. See the WebSphere MQ for z/OS System Administration Guide for information about

resetting logs, by using the RESETPAGE function of the utility program CSQUTIL.

## **CSQI047E: *csect-name* Log RBA has reached rba. Stop queue manager and reset logs**

### **Explanation**

The current log RBA is too close to the highest value that is allowed.

### **Severity**

8

### **System action**

Processing continues.

### **System programmer response**

Stop the queue manager immediately and reset the logs. See the WebSphere MQ for z/OS System Administration Guide for information about resetting logs, by using the RESETPAGE function of the utility program CSQUTIL.

## **CSQI048I: *csect-name* WLM reached maximum enclave limit**

### **Explanation**

Workload Management Services (WLM) reported that no more enclaves could be created, so a message could not be notified to WLM. (An IWMECREA call gave a return code of 8 with a reason code of X'xxxx0836'.)

**Note:** This message might be issued repeatedly during the scan of the indexes for WLM-managed queues.

### **Severity**

4

### **System action**

The queue manager will attempt to notify the message to WLM again on the next scan of the indexes for WLM-managed queues. This will be after the interval specified by the WLMTIME system parameter; see the CSQ6SYSP macro in the WebSphere MQ for z/OS System Setup Guide for information about the system parameters.

### **System programmer response**

See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call.

## **CSQI049I: Page set *psid* has media recovery RBA=*rcvry-rba*, checkpoint RBA=*chkpt-rba***

### **Explanation**

During restart, the queue manager opened the indicated page set. The media recovery RBA from the page set itself and the checkpointed RBA from the logs are as shown.

If the RBAs differ, it indicates that an old copy of the page set is being used. If the checkpoint RBA and the prior checkpoint RBA shown in message CSQR003I differ, it indicates that the page set has been offline.

### **Severity**

0

### **System action**

Processing continues. Media recovery is performed if necessary to bring the page set up to date.

## **CSQI056E: Unable to increase cluster cache**

### **Explanation**

The dynamic cluster cache cannot be increased because the queue manager cluster cache task encountered an error.

### **Severity**

8

### **System action**

The cluster cache task terminates. The channel initiator will probably terminate.

### **System programmer response**

Investigate the problem reported in any preceding messages.

## **CSQI060E: QSG names differ, log=*log-name* queue manager=*qmgr-name***

### **Explanation**

The queue-sharing group name recorded in the log does not match the name being used by the queue manager.

Possible causes are:

- The queue manager was restarted using the log from another queue manager.
- The queue manager was restarted with the wrong QSGDATA system parameter.
- The queue manager was not removed correctly from its previous queue-sharing group.

## Severity

8

## System action

Restart is terminated abnormally with completion code X'5C6' and reason code X'00C94505'.

## System programmer response

Restart the queue manager using the correct logs and BSDS, or change the QSGDATA system parameter. Note that you cannot change the name of the queue-sharing group that a queue manager uses, or remove it from a queue-sharing group, unless it has been shut down normally and the further procedures for removal described in WebSphere MQ for z/OS System Administration Guide have been followed.

## **CSQI061E: Queue manager QSG numbers differ, log=log-num queue manager=qmgr-num**

### Explanation

The queue manager was restarted using the log from another queue manager. The queue-sharing group queue manager number recorded in the log does not match that being used by the queue manager.

## Severity

8

## System action

Restart is terminated abnormally with completion code X'5C6' and reason code X'00C94506'.

## System programmer response

Restart the queue manager using the correct logs and BSDS. If the correct logs are being used, correct the entry for the queue manager in the DB2 CSQ.ADMIN\_B\_QMGR table. If you cannot resolve the problem, contact your IBM Support Center for assistance.

## **CSQI062I: Queue q-name deleted by another queue manager during restart**

### Explanation

During restart processing the queue manager detected that the named queue has been deleted by another queue manager in the queue-sharing group.

## Severity

0

### System action

Processing continues.

## CSQI063E: Queue *q-name* is both PRIVATE and SHARED

### Explanation

During restart processing the queue manager detected that the named queue exists both as a locally-defined queue on this queue manager and as a shared queue in the queue-sharing group. Opening a queue with this name will therefore not be allowed.

### Severity

0

### System action

Processing continues.

### System programmer response

Plan to delete one of the instances of the queue. There are several things to consider in doing this, as described in the WebSphere MQ for z/OS Concepts and Planning Guide.

## CSQI064E: Cannot get information from DB2. *obj-type* COPY objects not refreshed

### Explanation

During queue manager or channel initiator startup, objects of type *obj-type* with a disposition of COPY were being refreshed from those with a disposition of GROUP. However, the necessary information could not be obtained from DB2; this may be because DB2 is not available or no longer available, or because the connection to DB2 is suspended, or because there was an error in accessing DB2, or because a DB2 table was temporarily locked.

### Severity

8

### System action

The COPY objects of type *obj-type* are not refreshed. Startup continues.

### System programmer response

Refer to the console log for messages giving more information about the error.

When the error condition has cleared, refresh the objects manually, or restart the queue manager or channel initiator.

## CSQI070I: Data set usage ...

### Explanation

This message is the response to the DISPLAY USAGE command. It provides information about the data sets relating to various circumstances, as follows:

```
Data set  RBA/LRSN  DSName
data-set-type:
           rrr      dsname
:
End of data set report
```

where:

*data-set-type*

The type of data set and circumstance, which can be:

**Log, oldest with active unit of work**

The log data set containing the beginning RBA of the oldest active unit of work for the queue manager.

**Log, oldest for page set recovery**

The log data set containing the oldest restart RBA of any page set for the queue manager.

**Log, oldest for CF structure recovery**

The log data set containing the LRSN which matches the time of the oldest current backup of any CF structure in the queue-sharing group.

*rrr* The RBA or LRSN corresponding to the circumstance.

*dsname*

The name of the copy 1 data set. If no data set relates to a circumstance, this is shown as **None**; if the data set name cannot be determined, this is shown as **Not found**.

### Severity

0

### System programmer response

This information can be used to help manage data sets; see the WebSphere MQ for z/OS System Administration Guide for details.

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## Recovery log manager messages (CSQJ...)

### CSQJ001I: CURRENT COPY n ACTIVE LOG DATA SET IS DSNAME=dsname, STARTRBA=sss ENDRBA=ttt

#### Explanation

This message is generated for one of two reasons:

1. When the queue manager starts, this information message is sent to identify the current active log data sets (copy 1 and, if dual logging is used, copy 2).



2. When the current active log data set is full (or when an ARCHIVE LOG command is issued), MQ will switch to the next available active log data set. This message identifies the next available active log data set that will be used for logging.

The value specified by STARTRBA is the RBA of the first byte of log data in the named data set. The value specified by ENDRBA is the RBA of the last possible byte in the data set.

### **System programmer response**

None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ002I: END OF ACTIVE LOG DATA SET DSNNAME=dsname, STARTRBA=sss ENDRBA=ttt**

### **Explanation**

This message is sent when logging switches to a new empty data set. The message shows the name and log RBA range of the full data set.

### **System programmer response**

None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ003I: FULL ARCHIVE LOG VOLUME DSNNAME=dsname, STARTRBA=sss ENDRBA=ttt, STARTTIME=ppp ENDTIME=qqq, UNIT=unitname, COPYnVOL=vvv VOLSPAN=xxx CATLG=yyy**

### **Explanation**

Offloading for the specified archive log data set was successfully completed for the given volume. If the data set spans multiple tape volumes, this message is generated for each tape volume.

### **System action**

An archive log data set has been created, and the archive log data set inventory in the BSDS has been updated with the information in the message:

#### **DSNAME**

The name of the archive log data set

#### **STARTRBA**

The starting RBA contained in the volume

#### **ENDRBA**

The ending RBA contained in the volume

#### **STARTTIME**

The starting store-clock value of the log records in the volume

#### **ENDTIME**

The ending store-clock value of the log records in the volume

**UNIT** The device unit to which the data set was allocated

**COPY $n$ VOL**

The name of the volume; this is displayed as COPY1VOL if this is the copy-1 archive log data set, and as COPY2VOL if this is the copy-2 archive log data set

**VOLSPAN**

An indicator to denote one of four conditions:

**NO** The data set is entirely contained on the volume specified by COPY $n$ VOL

**FIRST** This is the first entry of a multivolume data set

**MIDDLE**

This is the middle entry of a multivolume data set

**LAST** This is the last entry of a multivolume data set

**CATLG**

An indicator to denote one of two conditions:

**NO** The archive log data set is uncataloged

**YES** The archive log data set is cataloged

The BSDS is automatically updated with the information contained in this message; however, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ004I: ACTIVE LOG COPY $n$ INACTIVE, LOG IN SINGLE MODE, ENDRBA= $ttt$**

### **Explanation**

This message is sent when the dual active logging option is selected and copy  $n$  becomes inactive. A log copy becomes inactive when the next active log data set is not ready when required. ENDRBA is the last byte of log data written on copy  $n$ . This is usually caused by a delay in offload.

### **System action**

The log is switched to single mode until the next data set for copy  $n$  is ready for logging.

If the queue manager is shut down or terminates abnormally while in single mode with the system parameter option still set for dual active data sets, the previous state of the active log data sets determines what happens when the queue manager is started, as follows:

- If fewer than two data sets are available (not flagged as STOPPED) for each set of active logs, queue manager startup terminates and message CSQJ112E is issued.
- If an active log data set is in NOTREUSABLE state, the queue manager can be started in single logging mode, but dual mode takes effect when the other active log data set becomes available after offloading.

### **System programmer response**

Perform a display request to ensure that there are no outstanding requests that are related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

If the switch to single mode was caused by the lack of a resource required for offload, the necessary resource should be made available to allow offload to complete and thus permit dual logging to proceed. If recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ005I: ACTIVE LOG COPY *n* IS ACTIVE, LOG IN DUAL MODE, STARTRBA=*sss***

### **Explanation**

This message is sent when copy *n* of the log becomes active after previously being flagged as inactive. STARTRBA is the RBA of the first byte of log data written on copy *n* after it was activated.

### **System programmer response**

None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ006I: ALLOCATION FOR NEW ARCHIVE LOG DATA SET HAS BEEN CANCELED BY OPERATOR**

### **Explanation**

This message is sent if the operator answers 'N' to message CSQJ008E.

### **System action**

If the allocation is for the first copy of the archive log data set, offload terminates processing until the next time it is activated. If the first copy has already been allocated and this request is for the second copy, offload switches to single offload mode for this data set only.

## **CSQJ007I: ALLOCATION FOR ARCHIVE VOL SER=*volser* HAS BEEN CANCELED BY OPERATOR**

### **Explanation**

If the operator answers 'N' to message CSQJ009E, this message is issued. *volser* is the volume serial of an archive log volume required to satisfy the read request. The name of the archive data set is given by message CSQJ022I which follows.

### **System action**

The read request that needed the archive volume is unsuccessful. If the request was issued with the *COND=YES* parameter, the log manager returns to its invoker with return code 12 and reason code X'00D1032B'. Otherwise, the log manager's

invoker ends abnormally with the same reason code.

## **CSQJ008E: *nn* OF *mm* ACTIVE LOGS ARE FULL, *qmgr-name* NEEDS ARCHIVE SCRATCH**

### **Explanation**

MQ needs a scratch volume for offloading an active log data set. *qmgr-name* is the name of the queue manager. *nn* is the number of full active log data sets. *mm* is the total number of active log data sets.

### **System action**

The offload task issues message CSQJ021D and waits for the operator's reply.

### **Operator response**

There are three options:

- Get a scratch volume ready, make sure there is an available unit for the volume, and reply 'Y'. MQ then continues with the offload.
- Determine from the number of active log data sets available whether the offload can be delayed until the next time an active log data set becomes full. If the process can be delayed, reply 'N'.

This response has two possible effects:

- If dual archive logging is in effect and this allocation is for a copy 1 archive data set, the 'N' response delays the offload process until the next active log data set becomes full.
- However, if the copy 1 archive data set has already been allocated and this request is for copy 2, the 'N' response causes the offload to switch to single archive mode (the switch is for this data set only).
- Defer giving a response. This causes offload to wait before processing. However, because offload is a separate service task, the wait does not affect MQ performance.

If offloading to DASD, an error has occurred attempting to allocate an archive log data set. Reply 'Y' to receive the error messages.

## **CSQJ009E: *qmgr-name* NEEDS VOL SER=nnnnnn**

### **Explanation**

MQ needs the specified archive volume for a read operation. *qmgr-name* is the name of the queue manager.

### **System action**

The archive log read service task issues message CSQJ021D and waits for the operator's reply. This wait affects the agent for which the log read was issued and any other agents that might be waiting on the log read service task queue.

## Operator response

Locate the requested volume, ensure that a device is available, and reply 'Y'. MQ continues with dynamic allocation and begins reading the log.

If dual archiving is in effect, a response of 'N' causes archive read to reissue the message for the copy 2 archive VOLSER with the same RBA range. A response of 'N' to this second message, or to the initial message for single archiving, causes the archive read service task to be unsuccessful, with unpredictable results.

## CSQJ010I: INVALID RESPONSE – NOT Y OR N

### Explanation

During archive data set allocation, a reply message was issued. The user did not respond correctly to the reply message. Either 'Y' or 'N' must be entered.

### System action

The original message is repeated.

### Operator response

Reply as indicated in the repeated message.

## CSQJ011D: RESTART CONTROL *rrr* CREATED AT date time FOUND. REPLY Y TO USE, N TO CANCEL

### Explanation

During queue manager initialization, a conditional restart control record was found in the BSDS data set. Both the record identifier (a 4-byte hexadecimal number) and the creation time stamp are displayed to help identify the conditional restart record which will be used. If you want a conditional restart using that record, reply 'Y' to the message. Otherwise, reply 'N'.

### System action

If 'Y' is the response, the queue manager is started conditionally, using the record found. If 'N' is the response, startup is terminated.

### System programmer response

Respond as indicated.

If a normal restart has failed and you have created a conditional restart record with the change log inventory utility, check whether the time and date in the message agree with when you created that record. If they do, reply 'Y'. If they do not, reply 'N' and investigate the discrepancy.

## **CSQJ012E: ERROR *ccc* READING RBA *rrr* IN DATA SET *dsname*, CONNECTION-ID=*xxxx* THREAD-XREF=*yyyyyy***

### **Explanation**

While scanning log records read into a buffer, MQ detected a logical error with reason code *ccc*. *rrr* is the log RBA of the segment in the buffer at which the error was detected. *dsname* is the name of the active or archive log data set from which the record was read. If *dsname* is blank, the data was read from an active log output buffer.

The connection ID and thread-xref identify the user or application that encountered the problem. Messages that have the same connection ID and thread-xref relate to the same user.

### **System action**

The application program is terminated with reason code *ccc*. However, information in this message might be useful in diagnosing the abnormal termination that will follow.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

## **CSQJ013E: TERMINAL ERROR *ccc* IN BUFFER *rrr* BEFORE ACTIVE LOG WRITE**

### **Explanation**

A scan of the log output buffer, just prior to writing the buffer, detected an inconsistency in the log data. *ccc* is the reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

### **System action**

The queue manager will terminate with a dump, and will not write the damaged buffer to either COPY 1 or COPY 2 active log data set.

### **System programmer response**

Restart the queue manager after it terminates.

Because the damaged buffer has not been written to a log data set, the queue manager can be restarted. No corrective action is required.

## **CSQJ014E: TERMINAL ERROR *ccc* IN BUFFER *rrr* AFTER ACTIVE LOG WRITE**

### **Explanation**

A scan of the log output buffer, after writing to the first copy of the active log data set and before writing to the second copy, detected an inconsistency in the log

data. *ccc* is the reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

### **System action**

The queue manager terminates with a dump, and does not write the damaged buffer to the COPY 2 data set.

### **System programmer response**

The block containing the indicated log RBA might be damaged. The buffer was found to be in error at the completion of the write to the COPY 1 data set of the active log.

If dual active logs are being used, use the print log map utility (CSQJU004) to list the active log data sets for both copies of the active log. Find the COPY 2 data set with the corresponding RBA, and copy that data set (using Access Method Services REPRO) to the COPY 1 data set. Start the queue manager.

If only a single active log is used, contact the IBM support center for assistance. An attempt to start the queue manager might succeed if the damage to the buffer occurred after completion of the write to DASD.

## **CSQJ020I: *csect-name* RECEIVED REPLY OF N TO msg-num. QUEUE MANAGER STARTUP IS TERMINATED**

### **Explanation**

The operator chose to terminate queue manager startup by answering 'N' to *msg-num*.

### **System action**

The queue manager will not restart.

### **Operator response**

To restart the queue manager, follow the operator response given for message *msg-num*.

## **CSQJ021D: REPLY Y WHEN DEVICE READY OR N TO CANCEL**

### **Explanation**

An archive log data set needs allocating, as indicated in the preceding CSQJ008E or CSQJ009E message.

### **System action**

The log service task waits for the operator's reply.

## Operator response

Refer to the explanation of message CSQJ008E or CSQJ009E as appropriate. When the device and volume is ready, reply 'Y'; otherwise, reply 'N' to cancel the operation.

## CSQJ022I: DSNAME=*dsname*

### Explanation

*dsname* is the name of the archive data set to which the preceding message refers.

## CSQJ030E: RBA RANGE startrba TO endrba NOT AVAILABLE IN ACTIVE LOG DATA SETS

### Explanation

Previous errors have made the active log data sets (that contain the RBA range reported in the message) unavailable. The status of these logs is STOPPED in the BSDS.

### System action

The queue manager terminates with a dump.

### System programmer response

The log RBA range must be available for the queue manager to be recoverable. Correct the previous errors and restore the active log data sets that contain the RBA range reported in the message.

- If the log data sets are recoverable, the active log data set inventory in the BSDS must be modified to reset the STOPPED status. Use the print log map utility (CSQJU004) to obtain a copy of the BSDS log inventory. Next, use the change log inventory utility (CSQJU003) to delete the active log data sets marked STOPPED (use the DELETE statement), then add them again (use the NEWLOG statement). The starting and ending RBA for each active log data set must be specified on the NEWLOG statement when the logs are added back to the BSDS using the change log inventory utility.
- If the log data sets are not recoverable, see the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

### Problem determination

Examine previous messages to determine the reason the active log data sets are unavailable.



**CSQJ033I : FULL ARCHIVE LOG VOLUME DSNAME=dsname,  
STARTRBA= sss ENDRBA=ttt, STARTLRSN=ppp  
ENDLRSN=qqq, UNIT=unitname, COPYnVOL=vvv  
VOLSPAN=xxx CATLG=yyy**

### **Explanation**

Offloading for the specified archive log data set was successfully completed for the given volume. If the data set spans multiple tape volumes, this message is generated for each tape volume.

This message is issued in place of CSQJ003I for queue-sharing groups.

### **System action**

See message CSQJ003I. STARTTIME and ENDTIME are replaced by the following:

#### **STARTLRSN**

The starting LRSN contained in the volume for queue-sharing groups.

#### **ENDLRSN**

The ending LRSN contained in the volume for queue-sharing groups.

## **CSQJ060E: *parm-name* system parameters are unusable**

### **Explanation**

The format of the parameters set by *parm-name* in the system parameter load module is invalid, so they cannot be used.

### **System action**

The queue manager is terminated with abnormally with reason code X'00E80084'.

### **System programmer response**

Ensure that the queue manager is started with a correct system parameter module, for example CSQZPARM. If necessary, reassemble the module that uses the indicated parameters, and relink-edit your system parameter load module.

## **CSQJ061I: *parm-name* system parameters are obsolete**

### **Explanation**

The parameters set by *parm-name* in the system parameter load module use some values which are now obsolete.

### **System action**

Processing continues. The obsolete parameters are ignored, and default values are used for new parameters.

## System programmer response

Review your system parameter settings. If necessary, reassemble the module that uses the indicated parameters, and relink-edit your system parameter load module.

### **CSQJ070E: *csect-name* ARCHIVE LOG DSN PREFIX NOT IN PROPER FORMAT TO RECEIVE TIME STAMP DATA. TIME STAMPING OF *dsname* BYPASSED**

#### Explanation

The system parameters (set by CSQ6ARVP) specify that the date and time of creation of an archive log data set be included as part of the archive log data set name (DSN). To accomplish this, MQ requires that the length of the archive log data set name prefix is limited. If the prefix requirement is not met, this message is issued just prior to the allocation of the archive log data set specified in the message.

#### System action

The archive log data set will be allocated using the archive log prefix. However, the archive log DSN will not contain the date and time as the user requested.

#### System programmer response

The system parameters for the log archive function must be changed. Specifically, the TSTAMP and ARCPFXn fields are not consistent with one another. For information about the actions required to eliminate this problem, see the WebSphere MQ for z/OS System Setup Guide, under the CSQ6ARVP macro subtopic.

### **CSQJ071E: *csect-name* TIMER FAILURE CAUSED TIME STAMPING OF ARCHIVE *dsname* TO BE BYPASSED**

#### Explanation

The system parameters (set by CSQ6ARVP) specify that the date and time of creation of an archive log data set be included as part of the archive log data set name (DSN). However an attempt to get the current date and time from the system was unsuccessful. This message is issued just prior to the allocation of the archive log data set specified in the message.

#### System action

The archive log data set will be allocated using the archive log prefix. However, the archive log DSN will not contain the date and time as the user requested.

## **CSQJ072E: ARCHIVE LOG DATA SET *dsname* HAS BEEN ALLOCATED TO NON-TAPE DEVICE AND CATALOGED, OVERRIDING CATALOG PARAMETER**

### **Explanation**

The system parameters (set by CSQ6ARVP) specify that all archive log data sets should be uncataloged (CATALOG=NO). However, MQ requires that all archive log data sets allocated to non-tape devices must be cataloged. The archive log data set specified by *dsname* has been allocated to a non-tape device, and has thus been cataloged. The user's system parameter CATALOG setting of NO has been overridden.

### **System action**

The archive log data set has been allocated to a nontape device, and has been cataloged. The system parameter CATALOG=NO setting has been overridden. The BSDS reflects that the data set has been cataloged.

### **System programmer response**

The archive system parameters must be changed. Specifically, the CATALOG and UNIT parameters are not consistent with one another. For information about the actions required to eliminate this problem, see the WebSphere MQ for z/OS System Setup Guide, under the CSQ6ARVP macro subtopic.

## **CSQJ073E: LOG ARCHIVE UNIT ALLOCATION FAILED, REASON CODE=*ccc*. ALLOCATION OR OFFLOAD OF ARCHIVE LOG DATA SET MAY FAIL**

### **Explanation**

While building the SVC99 text entries to allocate a new archive log data set dynamically, a unit allocation error was detected. The reason code, indicated by *ccc* in the message, further clarifies the problem as follows:

#### **4-28 (X'4'-X'1C')**

Return code from z/OS IEFGB4UV macro. Common values are:

#### **4 (X'04')**

Invalid unit name

#### **8 (X'08')**

Unit name has incorrect units assigned

#### **16 (X'10')**

No storage available

#### **20 (X'14')**

Device numbers not valid

#### **32 (X'20')**

MQ was able to obtain a list of devices corresponding to the device type (unit name) specified in the system parameters. However, it was determined that this list contained a mixture of tape and nontape devices.

**36 (X'24')**

Nonfetch-protected storage could not be obtained to build a parameter list for a z/OS service.

**40 (X'28')**

The device type (unit name) specified by the user in the system parameters is valid. However, no devices are currently associated with the given device type (unit name).

**44 (X'2C')**

The device type (unit name) specified by the user in the system parameters is valid. However, no DASD volumes are available with a volume use attribute of *storage*.

**System action**

This message is issued after the SVC99 text entries are built, but prior to the allocation of the new archive log data set. As a result of the error, the dynamic allocation of the archive log data set will be attempted using standard default values. The standard default values are generally acceptable; however, the allocation might be unsuccessful or the subsequent offload might produce undesirable processing results. For example:

- A reason code of 4 or 44 (X'2C') indicates an allocation error (CSQJ103E) when the SVC99 is issued for the archive data set.
- Offload processing to tape might be unsuccessful. MQ uses a volume count of 20 when allocating to tape, and uses the standard z/OS volume count default of 5 volumes when writing to non-tape devices. In the case of most of the above errors, it would be impossible for MQ to determine the device type on which the data set is to be allocated. Therefore, the standard z/OS default is assumed for the volume count. If the data set is successfully allocated to a tape device, and the volume of data is such that more than five volumes will be used for the archive data set, the offload processing will receive a z/OS completion code X'837-08' with message IEC028I when attempting to write to the sixth tape volume.
- Offload processing to a direct access device might be unsuccessful. When allocating a new archive log data set on a direct access device, MQ will use a unit count to facilitate multivolume archive data sets. With most of the above errors, it might be impossible for MQ to correctly determine the type of device on which the data set is to be allocated. Therefore, the standard default (1) is assumed for the unit count. If the data set is successfully allocated to a direct access device, and during the offload processing it becomes necessary to extend the data set to another device, the offload processing will receive a z/OS X'B37' (out of space) completion code, and the archive log data set will be deallocated.

**System programmer response**

The required action is based on the reason code indicated in the message:

**4-28 (X'4'-X'1C')**

See the *MVS Authorized Assembler Services Guide* for more info about the return code from the z/OS IEFGB4UV macro. The most likely causes for the common values are:

**4 (X'04')**

Incorrect specification in the archive system parameters. Correct the UNIT parameter. If the UNIT parameter from the archive system parameters appears to be correct, check the EDT to ensure

that the esoteric or generic unit name specified in the parameters is actually in the EDT. Subsequent offload processing will archive the log data which could not be previously archived due to the allocation error (CSQJ103E).

**8 (X'08')**

Incorrect specification in archive system parameters, incorrect operational setup.

**16 (X'10')**

This is usually a temporary problem. If the allocation of the archive log data set is successful, no action is required to correct this situation. If this is a recurring problem, sufficient page space is not available, and the region size for the queue manager address space might have to be increased, or standard z/OS diagnostic procedures might have to be used to correct the problem.

**20 (X'14')**

Incorrect specification in archive system parameters, incorrect operational

**32 (X'20') or 40 (X'28')**

To correct this situation, change the archive system parameter UNIT to use a device type (unit name) that contains homogenous devices, or modify the device list associated with the device type (unit name) using a system generation to supply a list of homogenous devices.

**44 (X'2C')**

To correct this situation, issue the z/OS command MOUNT to change the volume use attribute of a mounted private volume to storage. If this is a recurring problem, you might have to do one of the following:

- Perform a system generation to add permanently resident volumes with a volume use attribute of storage to the esoteric or generic unit
- Change the archive system parameters to use a different esoteric or generic unit name for the UNIT

## **CSQJ077E: LOG OR BSDS READ ERROR FOR QMGR qmgr-name, REASON CODE=CCC**

### **Explanation**

This message identifies a queue manager whose log data cannot be accessed. The logs or BSDS of other queue managers in a queue-sharing group may be accessed during a RECOVER CFSTRUCT operation.

### **System action**

The execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### **System programmer response**

Look for earlier messages which may identify more specifically the data set being accessed and the problem.

If you are unable to solve the problem, note the reason code, collect the following items, and contact your IBM support center:

- System dump
- Console output for the issuing queue manager
- Console output for the other queue manager
- Printout of SYS1.LOGREC

## **CSQJ098E: *csect-name* RESTART CONTROL ENDLRSN *rrr* IS NOT IN KNOWN LRSN RANGE. QUEUE MANAGER STARTUP IS TERMINATED**

### **Explanation**

A conditional restart control record requests truncation, but it cannot take place because the end LRSN was not in the range of LRSN values known to either the active or archive logs. *rrr* is the end LRSN specified in the active record. The end LRSN is either higher than the end LRSN of the most recent active log data set, or lower than the starting LRSN of the oldest archive log data set.

### **System action**

Queue manager startup is terminated.

### **System programmer response**

Check the ENDLRSN value specified in the conditional restart control record. If it is not correct, run the change log inventory utility (CSQJU003) using CRESTART CANCEL cancel the conditional restart, and a new CRESTART specifying the correct ENDLRSN.

## **CSQJ099I: LOG RECORDING TO COMMENCE WITH STARTRBA=*sss***

### **Explanation**

This message is generated during queue manager startup. The value specified by STARTRBA is the RBA of the next byte of log data to be recorded in the active log data sets.

This message is preceded by one (if single logging) or two (if dual logging) CSQJ001I messages.

### **System programmer response**

None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

## **CSQJ100E: *csect-name* ERROR OPENING BSDSn DSNAME=*dsname*, ERROR STATUS=*eeii***

### **Explanation**

During startup, or while processing a RECOVER BSDS command, MQ could not open the specified BSDS. BSDSn matches the DDname in the queue manager started task JCL procedure (xxxxMSTR) of the data set that cannot be opened. The

value of *n* is 1 or 2. The error status contains the VSAM open return code in *ee*, and the VSAM open reason code in *ii*.

### **System action**

When this error occurs at initialization time, startup must be terminated, because the log data sets cannot be determined and allocated without the BSDS. When this error occurs during RECOVER BSDS processing, the command is terminated, and the queue manager continues in single BSDS mode.

### **System programmer response**

Recover the BSDS that cannot be opened. See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the BSDS or the log.

### **Problem determination**

The error status contains the VSAM open return code in *ee*, and the VSAM open reason code in *ii*. See the *DFSMS/MVS™ Macro Instructions for Data Sets* manual for a list of the VSAM OPEN return codes and reason codes, and the steps required to take corrective action.

## **CSQJ101E: *csect-name* RESTART CONTROL ENDRBA *rrr* IS NOT IN KNOWN RBA RANGE. QUEUE MANAGER STARTUP IS TERMINATED**

### **Explanation**

A conditional restart control record requests truncation, but it cannot take place because the end RBA was not in the range of RBA values known to either the active or archive logs. *rrr* is the end RBA specified in the active record. The end RBA is either higher than the end RBA of the most recent active log data set, or lower than the starting RBA of the oldest archive log data set.

### **System action**

Queue manager startup is terminated.

### **System programmer response**

Check the ENDRBA value specified in the conditional restart control record. If it is not correct, run the change log inventory utility (CSQJU003) using CRESTART CANCEL cancel the conditional restart, and a new CRESTART specifying the correct ENDRBA.

Otherwise, then most likely, the archive log data set that contained the requested RBA has been deleted from the BSDS data set by the change log inventory utility. Locate the output from an old print log map utility and identify the data set that contains the missing RBA. If the data set has not been reused, run the change log inventory utility to add this data set back into the inventory of log data sets. Restart the queue manager.

**CSQJ102E: LOG RBA CONTENT OF LOG DATA SET  
DSNAME=dsname, STARTRBA= sss ENDRBA=ttt, DOES NOT  
AGREE WITH BSDS INFORMATION**

**Explanation**

The log RBA range shown in the BSDS for the specified data set does not agree with the content of the data set.

**System action**

Startup processing is terminated.

**System programmer response**

Use the print log map and change log inventory utilities to make the BSDS consistent with the log data sets.

**CSQJ103E: *csect-name* LOG ALLOCATION ERROR  
DSNAME=dsname, ERROR STATUS=eeeeiiii, SMS REASON  
CODE=ssssssss**

**Explanation**

An error occurred while attempting to allocate the active or archive log data set indicated by DSNAME. STATUS indicates the error reason code returned by z/OS dynamic allocation (SVC99).

This message might be preceded by message CSQJ073E.

**System action**

Subsequent actions depend on the type of data set involved.

For active log data sets, if the error is encountered during queue manager initialization, startup is terminated. If two copies of the active log data sets are defined, this message appears only once.

For archive log data sets, if two copies of the archive log data sets are defined, processing continues on the remaining archive log data set.

**System programmer response**

The error status portion of this message contains a 2-byte error code (*eeee*, S99ERROR) followed by the 2-byte information code (*iiii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *ssssssss* contains additional SMS reason code information obtained from S99ERSN. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

For active log data sets, if the problem occurred during queue manager initialization, you can resolve the problem by doing one of the following:

- Resolve the error associated with the active log data set as indicated by STATUS



- Provide another copy of the active log data set, using Access Method Services
- Update the BSDS with the change log inventory utility (CSQJU003)
- Restart the queue manager

For archive log data sets:

- If the problem occurred during allocation with the intent to write the data set, no immediate action is required. However, if you do not resolve the SVC99 error (indicated by the STATUS value in the message), the available space in the active log could eventually be exhausted (CSQJ111A) because all future offloads might be unsuccessful because of the same error.
- If the problem occurred during allocation with the intent to read the data set, determine the problem, and use the change log inventory utility (CSQJU003) DELETE function to delete the archive log data set from the BSDS archive log inventory. Then use the NEWLOG function to add the data set back into the archive log inventory, pointing to the correct volume and device.

See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

This message might also be issued as the result of a user error. If STATUS displays a value of '17080000', you might have one or more active log data sets defined in the BSDS, but not allocated on DASD. To correct the situation, print the contents of the current active log data set inventory using the print log map utility (CSQJU004), then either:

- Use Access Method Services to allocate the active log data set for each active log data set listed in the BSDS, but not actually allocated on DASD. You can find the Access Method Services command syntax for active log data sets in the CSQ4BSDS sample JCL.
- Use the change log inventory utility (CSQJU003) DELETE statement to delete the errant active log data set name, and the NEWLOG statement to add the correct name to the active log data set inventory. The name specified on the NEWLOG statement must be the same as the name of the actual active log data set allocated on DASD.

## **CSQJ104E: *csect-name* RECEIVED ERROR STATUS *nnn* FROM macro-name FOR DSNAME *dsname***

### **Explanation**

An error occurred while issuing macro *macro-name*. Error status is the return code from the specified macro:

- For an OPEN of a VSAM data set, the return code in the error field of the Access Method Services control block is included in this message as the error status value. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of these values.
- If the OPEN was for a non-VSAM data set, the error status is zero.
- For MMSRV errors, error status contains the error information returned by media manager services. If an MMSRV CATUPDT error occurs attempting to truncate an active log data set, the log data set will be unavailable and the status of the log data set will be flagged as STOPPED in the BSDS.
- For VSAM OPEN and MMSRV errors, this message is preceded by an IEC161I message that defines the error that occurred.

- For a PROTECT of an archive log data set, the return code is from DADSM PROTECT. See the *MVS/ESA™ System - Data Administration* manual for details of the return code.

See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

### **System action**

Subsequent actions depend on when the error occurred.

During queue manager initialization, startup is terminated.

When using the data set either for offload or for input operations, processing continues. If a second copy of the data is available, MQ attempts to allocate and open the second data set.

When using the data set as an active log data set, MQ attempts to retry the request. If the retry is unsuccessful, the queue manager is terminated.

During checkpoint processing, where MQ attempts to locate the oldest active or archive log data sets that are required for restart recovery of page sets and restart and media recovery of CF structures, processing continues. The message is a warning that either restart recovery would fail or media recovery of CF structures would fail. It is most likely to occur when all CF application structures are not being regularly backed up, thereby requiring excessively old log data sets for recovery.

### **System programmer response**

If the error occurred during initialization, either correct the problem so that the data set is available or provide another copy of the data set and change the BSDSs to point to the new data set.

If the error occurred after startup, the return code should be reviewed and the appropriate action taken to correct the problem, so that the data set can be used at a later time, or the data set entry can be removed from the BSDS using the change log inventory utility.

If the error was received from PROTECT, there might be a problem with the PASSWORD data set. See the appropriate DADSM publication to determine the cause of the problem. When the problem has been corrected, ensure the archive log data sets receiving the error are added to the PASSWORD data set. If these archive log data sets are not added to the PASSWORD data set, archive read will not be able to OPEN these data sets. If you do not have information about the named macro, note the macro name and the return code and contact your IBM support center for help.

If the error occurred during checkpoint processing, issue the DISPLAY USAGE TYPE(DATASET) command to show which log data sets are currently required for page set and media recovery, and ensure that they are available. If applicable, use the BACKUP CFSTRUCT command for your CF structures, and institute a procedure to back up your CF structures frequently.

## **CSQJ105E: *csect-name* LOG WRITE ERROR DSNAME=*dsname*, LOGRBA=*rrr*, ERROR STATUS=*ccccffss***

### **Explanation**

An error occurred while writing a log data set. If *csect-name* is CSQJW107, the error occurred writing the log buffers to an active log data set. If *csect-name* is CSQJW207, the error occurred while preformatting the next control area before writing log data into it.

Error status contains the error information returned by media manager in the form *ccccffss*, where *cccc* is a 2-byte return code that describes the error, *ff* is a 1-byte code that defines the functional routine that detected the error, and *ss* is the 1-byte status code that defines a general category of error.

### **System action**

If the dual active logging option is selected, the MQ switches to the next data set for this copy. If the next data set is not ready, MQ temporarily enters single logging mode and allocates a replacement data set for the one that encountered the error. Dual logging is resumed as soon as possible.

If single active logging option is selected and the next data set is not ready, MQ waits for that data set to be available. In this case, log writing is inhibited until the replacement is ready for output.

### **System programmer response**

See the *MVS/DFP™ Diagnosis Reference* manual for information about return codes from the media manager. If you are unable to resolve the problem, note the return code, and contact your IBM support center.

## **CSQJ106E: LOG READ ERROR DSNAME=*dsname*, LOGRBA=*rrr*, ERROR STATUS=*ccccffss***

### **Explanation**

An error occurred while reading an active log data set. The error status contains the error information returned by the media manager in the form *ccccffss*, where *cccc* is a 2-byte return code that describes the error, *ff* is a 1-byte code that defines the functional routine that detected the error, and *ss* is the 1-byte status code that defines a general category of error. (See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the media manager.)

### **System action**

If another log data set contains the data, MQ attempts to read the data from the alternate source. If an alternate source is not available, a read error return code is sent to the program requesting the log data. Depending on the circumstances under which the failure occurred, the queue manager might continue with the alternate log data set if dual logging is used, or end abnormally.

## System programmer response

If you are using dual logging, the requested RBA was probably retrieved from the corresponding dual active log data set, and no immediate response is necessary. However, if this error occurs frequently, or if you are using single logging, immediate attention might be required. If so, note the contents of the error status field, and contact your IBM support center for help.

It might be necessary to replace the data set in error with a new data set containing the log data, and to update the BSDSs to reflect the new data set using the change log inventory (CSQJU003) NEWLOG operation.

See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

This message might also be issued as the result of a user error. If the data set name specified by DSNNAME is missing, and STATUS displays a value of '00180408' or '00100408', you are using dual logging, but only one set of active log data sets is defined in the BSDS. To resolve this condition, do either of the following:

- Define a second set of active log data sets using Access Method Services (if they are not defined already), and update the BSDS log inventory using the change log inventory (CSQJU003) NEWLOG operation. See the WebSphere MQ for z/OS System Administration Guide for information about using the change log inventory utility.
- Reset the log system parameters to indicate single logging. You can do this by setting TWOACTV to 'NO' in the CSQ6LOGP system parameters.

## CSQJ107E: READ ERROR ON BSDS DSNNAME=*dsname* ERROR STATUS=*eee*

### Explanation

An error occurred while reading the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first byte containing the hexadecimal return code and the second containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the BSDS or the log.

### System action

If dual BSDSs are available, MQ attempts to read from the other BSDSs. If the read from the second BSDS fails or if there is only one BSDS, an error code is returned to the log request that caused access to the BSDS.

If the read error is detected during startup, the queue manager terminates.

### System programmer response

It might be necessary to replace or repair the BSDS, depending on what conditions resulted from the read error. To replace a BSDS, first delete the BSDS in error, then define the new BSDS with the same name and attributes. If a new name is used for

the new BSDS, change the queue manager started task JCL procedure (xxxxMSTR) to specify the new BSDS name.

## **CSQJ108E: WRITE ERROR ON BSDS DSNAME=*dsname* ERROR STATUS=*eee***

### **Explanation**

An error occurred while writing to the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

### **System action**

If dual BSDSs are available, MQ enters single BSDS mode using the remaining good BSDS. Otherwise, an error code is returned to the log request that caused access to the BSDS.

### **System programmer response**

If dual BSDS mode is being used, run an offline Access Method Services job to rename the error BSDS and define a new BSDS with the same name. Then enter the RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the queue manager must be shut down, and the BSDS must be recovered from a backup copy. To recover the BSDS, use the change log inventory utility.

## **CSQJ109E: OUT OF SPACE IN BSDS DSNAME=*dsname***

### **Explanation**

There is no more space in the specified BSDS. The operation that encountered the out-of-space condition did not complete properly.

### **System action**

If dual BSDSs are available, MQ enters single BSDS mode using the remaining good BSDS. Otherwise, an error code is returned to the log request that caused access to the BSDS.

### **System programmer response**

If dual BSDS mode is being used, run an offline Access Method Services job to rename the full BSDS and define a new, larger BSDS with the same name. Enter the RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the queue manager must be shut down and the BSDS recovered offline. In this case, run the same Access Method Services job mentioned above to rename the full data set and define a larger data set. Next, run an Access Method Services REPRO job to copy the full BSDS into the new BSDS.

## **CSQJ110E: LAST COPY<sub>n</sub> ACTIVE LOG DATA SET IS *nnn* PERCENT FULL**

### **Explanation**

This message is issued when the last available active log data set is 5% full, and is reissued after each additional 5% of the data set space is filled.

### **System action**

Each time the message is issued, the offload processing will be re-attempted. If the situation is not corrected, the active log data set will fill to capacity, message CSQJ111A will be issued, and MQ processing will stop.

### **System programmer response**

To clear this condition, you must take steps to complete other waiting offload tasks. Once an active log data set is made available (reusable) by completing the offload process for it, the MQ logging activity can continue.

Perform a display request to determine the outstanding requests related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

Consider whether there are sufficient active log data sets. If necessary, additional log data sets can be added dynamically using the DEFINE LOG command.

If offload does not complete normally or cannot be initiated, either correct the problem that is causing the offload process error, increase the size of the allocated data sets, or add more active log data sets. Note that the latter action requires the queue manager to be inactive and the change log inventory utility to be run.

Possible causes for the shortage of active log data space are:

- Excessive logging. For example, there is a lot of persistent message activity.
- Delayed or slow offloading. For example, failure to mount archive volumes, incorrect replies to offload messages, or slow device speeds.
- Excessive use of the ARCHIVE LOG command. Each invocation of this command causes MQ to switch to a new active log data set and to initiate an offload of the active log. Although the command will not be processed when only one active log data set remains in a copy of the active log (see CSQJ319I), excessive use of the command could have consumed all space in the active log except the current active log data sets.
- Offloads were unsuccessful.
- Insufficient active log space.

## **CSQJ111A: OUT OF SPACE IN ACTIVE LOG DATA SETS**

### **Explanation**

Due to delays in offload processing, all available space in all active log data sets has been exhausted. Recovery logging cannot continue.

## System action

MQ waits for an available data set. Any tasks performing MQ API calls that require logging will wait.

## System programmer response

Perform a display request to ensure that there are no outstanding requests that are related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

Consider whether there are sufficient active log data sets. If necessary, additional log data sets can be added dynamically using the DEFINE LOG command.

If the delay was caused by the lack of a resource required for offload, the necessary resource must be made available to allow offload to complete and thus permit logging to proceed. For information about recovery from this condition, see the WebSphere MQ for z/OS System Administration Guide.

If the problem occurred because archiving was set off, or because archive data sets could not be allocated, or for any other reason that requires the system parameters to be changed, the queue manager must be canceled as neither STOP MODE(QUIESCE) nor STOP MODE(FORCE) commands will work.

To free any tasks that are waiting because they were performing MQ API calls that require logging, you must solve the underlying problem, or cancel the queue manager.

If the offload process has stalled because some resource is not available or for some other reason, it may be possible to resolve the problem by canceling the currently executing offload task using the ARCHIVE LOG CANCEL OFFLOAD command, and then starting another. If there are hardware problems, it may be necessary to use z/OS commands to cancel the devices with problems.

## **CSQJ112E: *csect-name* INSUFFICIENT ACTIVE LOG DATA SETS DEFINED IN BSDS**

### Explanation

There are not enough active log data sets defined in the BSDS to start the queue manager. This condition usually exists for one of the following reasons:

- Fewer than two data sets are defined for one of the active log copy sets.
- The CSQ6LOGP system parameters specified TWOACTV=YES but data sets for two copies of active log are not defined in BSDS.
- Fewer than two data sets are available (not flagged as STOPPED) for one of the active log copy sets.

### System action

Startup is terminated.

### System programmer response

Use the change log inventory utility to make the number of active log data sets defined in the BSDS consistent with the system parameters specified in

CSQ6LOGP, or to add further active log data sets so that there are two or more active log data sets available for use in each active log copy. Restart the queue manager.

**Note:** Log data sets that are flagged as STOPPED will not be reused by MQ. Once the queue manager has been restarted you might need to recover STOPPED log data sets. To clear the STOPPED status:

1. Stop the queue manager
2. Recover the log data set (either redefined or recovered from the other copy of the log)
3. Delete and re-add to the BSDS (using the change log inventory utility) with the appropriate RBAs

## **CSQJ113E: RBA log-*rba* NOT IN ANY ACTIVE OR ARCHIVE LOG DATA SET, CONNECTION-ID=xxxx THREAD-XREF=yyyyyy**

### **Explanation**

There was a request to read the log record starting at this RBA. However, this log record cannot be found in any active or archive log data set. The connection ID and thread-xref identify the user or application that encountered the problem (this could be an internal MQ task). See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

### **System action**

Depending upon what log record is being read and why, the requestor might end abnormally with a reason code of X'00D1032A'.

### **System programmer response**

Probable user error. Most likely, the archive log data set that contained the requested RBA has been deleted from the BSDS by the change log inventory utility. Locate the output from an old print log map run, and identify the data set that contains the missing RBA. If the data set has not been reused, run the change log inventory utility to add this data set back into the inventory of log data sets. Restart the queue manager.

## **CSQJ114I: ERROR ON ARCHIVE DATA SET, OFFLOAD CONTINUING WITH ONLY ONE ARCHIVE DATA SET BEING GENERATED**

### **Explanation**

An error occurred while accessing one of the archive data sets being created by offload. Because the dual archive option is specified, offload is continuing with the other archive data set. For the RBA range being offloaded, there is only one copy of archive instead of the usual two copies.

### **System action**

Offload produces a single archive data set.



### **System programmer response**

A second copy of this archive log data set can be made, and the BSDSs can be updated with the change log inventory utility.

## **CSQJ115E: OFFLOAD FAILED, COULD NOT ALLOCATE AN ARCHIVE DATA SET**

### **Explanation**

Offload could not allocate an archive log data set. The offload was not performed. This message is preceded by message CSQJ103E or CSQJ073E.

**Note:** If you are using the dual archiving option, neither copy is made.

### **System action**

Offload will be tried at a later time.

### **System programmer response**

Review the error status information of message CSQJ103E or CSQJ073E. Correct the condition that caused the data set allocation error so that, on retry, the offload can take place.

## **CSQJ116E: ERROR ADDING ARCHIVE ENTRY TO BSDS**

### **Explanation**

Offload could not add an archive entry to the BSDS. The offload is considered incomplete. The active log data set is not marked as reusable for new log data. This message is preceded by message CSQJ107E, CSQJ108E, or CSQJ109E.

### **System action**

Offload will be retried at a later time.

### **System programmer response**

See the specific preceding message for action.

## **CSQJ117E: INITIALIZATION ERROR READING BSDS DSNAME=dsname, ERROR STATUS=eee**

### **Explanation**

An error occurred during initialization reading from the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second byte containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

**System action**

Startup is terminated.

**System programmer response**

Determine the cause of the read error using the VSAM error status information provided. Restart the queue manager.

**CSQJ118E: MACRO *xxx* FAILED IN LOG INITIALIZATION,  
RC=*ccc*****Explanation**

Log initialization received a return code from the named macro.

**System action**

Startup is terminated.

**System programmer response**

Determine the problem from the documentation on the named macro and return code. Then take appropriate steps, and restart the queue manager. If you do not have information about the named macro, note the macro name and the return code and contact your IBM support center for help.

**CSQJ119E: BOOTSTRAP ACCESS INITIALIZATION  
PROCESSING FAILED****Explanation**

During queue manager initialization, the BSDS access function was unable to complete its initialization process. See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the BSDS or the log.

**System action**

Startup is terminated.

**System programmer response**

One or more error messages describing the specific error have preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ120E: DUAL BSDS DATA SETS HAVE UNEQUAL TIME STAMPS, SYSTEM BSDS1=sys-bsds1, BSDS2=sys-bsds2, UTILITY BSDS1=uty-bsds1, BSDS2=uty-bsds2**

### **Explanation**

When the queue manager was initialized, the time stamps of the dual BSDS did not agree. The time stamps from the system and from the change log inventory utility are shown for each BSDS. The time stamps have the format date hh:mm:ss.th.

### **System action**

The queue manager attempts to re-synchronize the BSDS data sets to restore dual BSDS mode. If re-synchronization is successful, message CSQJ130I is issued and startup continues. Otherwise, startup is terminated.

### **System programmer response**

If startup fails, run the print log map utility against each BSDS. From the output, determine which data set is obsolete, delete it, define a replacement for it, and copy the remaining BSDS to the replacement.

If output from the print log map utility for both data sets is similar, delete the data set with the oldest time stamp, and copy the data set with the most recent time stamp.

## **CSQJ121E: INITIALIZATION ERROR READING JFCB, DDNAME=ddd**

### **Explanation**

During queue manager initialization (if dual BSDS data sets are specified), the job file control block (JFCB) in z/OS is read to obtain the data set names associated with DDnames BSDS1 and BSDS2. This error is caused by a missing DD statement.

### **System action**

Startup is terminated.

### **System programmer response**

Ensure that a DD statement exists in the queue manager started task JCL procedure xxxxMSTR for DDname BSDS1. If dual BSDS data sets are used, ensure that a DD statement also exists in the queue manager started task JCL procedure xxxxMSTR for DDname BSDS2.

## **CSQJ122E: DUAL BSDS DATA SETS ARE OUT OF SYNCHRONIZATION**

### **Explanation**

During queue manager initialization, the dual BSDSs were found to differ in content.

### **System action**

Startup is terminated.

### **System programmer response**

Run the print log map utility against each BSDS to determine which data set was last used as the first copy. Delete the second copy data set, define a replacement for the deleted data set, and copy the remaining BSDS to the replacement.

## **CSQJ123E: CHANGE LOG INVENTORY FAILURE DETECTED**

### **Explanation**

During queue manager initialization, the BSDSs was found to have been incompletely processed by the change log inventory utility.

### **System action**

Startup is terminated.

### **System programmer response**

Run the print log map utility to determine what operation against the BSDS did not complete. Run the change log inventory utility against the BSDSs to allow any unfinished processing to be completed.

## **CSQJ124E: OFFLOAD OF ACTIVE LOG SUSPENDED FROM RBA xxxxxx TO RBA xxxxxx DUE TO I/O ERROR**

### **Explanation**

During offload, an unrecoverable input/output error was encountered on an active log data set. The data set experiencing the error is marked unusable, and no further logging is done to that data set.

### **System action**

Active log data sets continue to be offloaded as they become full.

### **System programmer response**

Recover the data manually from the data set, copy it to an archive data set, run the change log inventory utility to make the new archive data set available to the queue manager, and remove the error-prone active log data set.

## **CSQJ125E: ERROR COPYING BSDS, OFFLOAD CONTINUING WITHOUT THE BSDS COPY**

### **Explanation**

An error occurred while copying the BSDS data set during the offload process. The data set is not produced, and the volume containing the offloaded data set does not contain a BSDS for recovery use.

### **System action**

The queue manager continues the offload process without producing a copy of the BSDS.

### **System programmer response**

When archiving occurs, both a copy of the active log data set, and the BSDS at that time, are dumped. The BSDS is not critical because it will be copied again with the next archive log (the missing one simply means an extended restart time). However, the underlying data management problem (for example, not enough space allocated) should be resolved for subsequent BSDS offloads to occur.

## **CSQJ126E: BSDS ERROR FORCED SINGLE BSDS MODE**

### **Explanation**

An input/output error or a VSAM logical error occurred on a BSDS. This message is preceded by message CSQJ107E or CSQJ108E.

### **System action**

MQ enters single BSDS mode using the remaining BSDS.

### **System programmer response**

Run an offline Access Method Services job to rename the error BSDS and define a new BSDS with the same name. Then enter the RECOVER BSDS command to reestablish dual BSDS mode.

## **CSQJ127I: SYSTEM TIME STAMP FOR BSDS=date time**

### **Explanation**

When the queue manager is initialized, the system time stamp for the BSDS is displayed. The time stamp is of the format date hh:mm:ss.th. This time stamp should be close to the last time at which this queue manager was stopped. If not, it might indicate a restart is being attempted with the wrong BSDS.

The time stamp will show as '\*\*\*\*' if the BSDS has not been used before.

### **System action**

Startup continues.

### **System programmer response**

If the time displayed is not close to the time this queue manager was last stopped, and you cannot explain any time discrepancy, cancel the queue manager. From the queue manager started task JCL procedure xxxxMSTR, determine the data set names of the BSDSs and run the print log map utility. Check whether the active and archive log data sets all belong to this queue manager. If not, then change the started task JCL procedure xxxxMSTR for the queue manager to use the correct BSDSs.

## CSQJ128E: LOG OFFLOAD TASK FAILED FOR ACTIVE LOG *dsname*

### Explanation

The offload task ended abnormally while attempting to offload the RBA range in active log data set *dsname*.

### System action

The offload task terminates and the archive data sets allocated to the offload task are deallocated and deleted. The status of the active log data sets involved in the unsuccessful offload processing remains set to 'not reusable'.

The log offload task will be reinitiated by one of several events. The most common are:

- All the available space in the current active log data set has been used (normal case)
- A CSQJ110E message is issued
- The queue manager address space is started, but data in the active log has not been archived
- An I/O error occurs on the active log, which will force the queue manager to truncate and offload the active log data set, and switch to a new active log data set

### System programmer response

This message is the result of an offload error, and will be preceded by one or more MQ messages (for example, CSQJ073E) and z/OS messages (for example, IEC030I, IEC031I, IEC032I). If the queue manager is operating with restricted active log resources (see message CSQJ110E), quiesce the system to restrict logging activity until the abnormal termination or the CSQJ110E condition can be resolved.

Investigate and correct the cause of the abnormal termination before the offload is attempted again by the queue manager.

### Problem determination

This message is the result of an offload error and will be preceded by one or more MQ messages and z/OS messages. See the appropriate manual for the associated MQ and z/OS messages to formulate a course of corrective action. Use the print log map utility (CSQJU004) to print the BSDS (both copies if running in dual mode), then use the CSQJU004 output to determine the current status of the active and archive log data sets.

This message can be generated for a variety of reasons. However, the most likely are:

- Archive log data set allocation errors. See the text for message CSQJ103E for corrective action.
- The size of the archive log data set is too small to contain the active log data sets during offload processing. All secondary space allocations have been used. This condition is normally accompanied by z/OS message IEC030I.

- All available space on the DASD volumes to which the archive data set is being written has been exhausted. This condition is normally accompanied by z/OS message IEC032I.
- The primary space allocation for the archive log data set (as specified in the system parameters) is too large to allocate to any available online DASD device. This condition is normally accompanied by z/OS message IEC032I.

**CSQJ129E: END OF LOG RBA *eol-rba* COULD NOT BE FOUND IN ANY ACTIVE LOG DATA SET, HIGHEST RBA FOUND WAS *hi-rba***

**Explanation**

There was a request to find *eol-rba*, the log record that has been recorded in the BSDS as the highest RBA written. This RBA cannot be found in any active log data set. The highest RBA which could be found in any active data set was *hi-rba*.

**System action**

Startup processing is terminated.

**System programmer response**

Most likely, the active log data set containing the requested RBA has been deleted from the BSDS by the change log inventory utility. If the data set has not been reused, run the change log inventory utility to add this data set back into the BSDS. Restart the queue manager.

If the data set is not available, contact your IBM support center.

**CSQJ130I: DUAL BSDS MODE RESTORED FROM BSDSn**

**Explanation**

Dual BSDS mode was restored using BSDS copy *n*. This is the BSDS data set with the most recent system time stamp.

**System action**

Startup continues.

**CSQJ131E: *csect-name* ERROR WRITING QUEUE MANAGER INFORMATION TO DB2**

**Explanation**

During command processing, a failure occurred attempting to write queue manager information to DB2.

**System action**

Processing of the command is terminated.

### **System programmer response**

Check the console for messages relating to the problem.

## **CSQJ132E: *csect-name* ERROR READING QUEUE MANAGER INFORMATION FROM DB2**

### **Explanation**

During command processing, a failure occurred attempting to read queue manager information from DB2.

### **System action**

Processing of the command is terminated.

### **System programmer response**

Check the console for messages relating to the problem.

## **CSQJ133E: LRSN *rrr* NOT IN ANY ACTIVE OR ARCHIVE LOG DATA SET, CONNECTION-ID=*xxxx* THREAD-XREF=*yyyyyy*, QMGR=*qmgr-name***

### **Explanation**

There was a request to read the log record starting at this LRSN by the indicated queue manager (which might not be the issuer of the message). However, this log record cannot be found in any active or archive log data set. The connection ID and thread-xref identify the user or application that encountered the problem (this could be an internal MQ task). See the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

### **System action**

Depending upon what log record is being read and why, the requestor might end abnormally with a reason code of X'00D1032A'.

### **System programmer response**

This is probably a user error. Most likely, the archive log data set that contained the requested RBA has been deleted from the BSDS by the change log inventory utility. Locate the output from an old print log map run, and identify the data set that contains the missing LRSN. If the data set has not been reused, run the change log inventory utility to add this data set back into the inventory of log data sets. Restart the queue manager.



## **CSQJ136I: UNABLE TO ALLOCATE TAPE UNIT FOR CONNECTION-ID=XXXX CORRELATION-ID=yyyyyy, m ALLOCATED n ALLOWED**

### **Explanation**

An attempt to allocate a tape unit for the indicated connection ID failed. The current maximum tape unit specified is *n*, but only *m* are physically available.

### **System action**

The process for the connection ID and correlation ID is held until either an allocated tape unit becomes free or more tape units are varied online and made available to the archive read task. This situation rectifies itself over time as currently allocated tape units become available.

### **Operator response**

To improve throughput, vary additional tape units online and make them available to MQ. Note that an archive process rescan is not attempted until the SET LOG command is issued or an allocated tape dismounts.

## **CSQJ139I: LOG OFFLOAD TASK ENDED**

### **Explanation**

Processing of the active log offload ended.

### **System action**

This message is written to the z/OS console.

### **Operator response**

This message does not guarantee that the offload completed without errors. Check the console log and task messages to determine whether any abnormal events occurred during the offload.

## **CSQJ140I: Data set *dsname* successfully added to active log copy *n***

### **Explanation**

A DEFINE LOG command has dynamically added a new log data set, *dsn*, and added it to either the LOGCOPY1 or LOGCOPY2 ring of active log data sets, as indicated by *n*.

The new active log data set is eligible to be used when the current active log data set fills and logging switches to the next active log data set in the ring.

Information about the data set is stored in the BSDS and will persist over a restart of the queue manager.

## **CSQJ141E: Error adding new active log data set *dsname***

### **Explanation**

A DEFINE LOG command failed to add a new log data set. Further information about the failure is given in the preceding messages.

### **System programmer response**

Investigate and correct the cause of the failure, then enter the command again.

## **CSQJ142I: Data set *dsname* has been used previously**

### **Explanation**

MQ checks that a data set being added by a DEFINE LOG command has not been previously used as a log data set, as this might be an indication of operator error. The requested data set *dsname* was found to have been previously so used.

### **System action**

The data set is closed and deallocated. Dynamic addition of a new active log data set fails.

### **System programmer response**

Ensure that the data set being added as an active log data set is newly allocated, or has been formatted with the active log preformat utility, CSQJUFMT.

## **CSQJ143I: BSDS active log data set record is full**

### **Explanation**

The maximum number of active log data sets is fixed. No further entries can be inserted in the BSDS after the maximum has been reached.

### **System action**

Dynamic addition of a new active log data set fails.

## **CSQJ144I: Active log data set allocation error**

### **Explanation**

It was not possible for MQ to dynamically allocate the requested data set (named in the following CSQJ141E message) for use as a new active log data set.

### **System action**

Dynamic addition of a new active log data set fails.

### **System programmer response**

Ensure that the data set being added as a new active log data set is a VSAM linear data set with SHAREOPTIONS(2 3) and that it is not in use by any other jobs.

## CSQJ150E: LOG CAPTURE EXIT ABEND, EXIT DEACTIVATED

### Explanation

An abnormal program interrupt was detected while executing in the installation-supplied log capture exit code (that is entry point CSQJW117 in load module CSQJL004). As a result of this, the log capture exit will no longer be active; log data will no longer be available for exit capture/processing.

This message can only occur when an *installation-supplied* log capture exit (entry CSQJW117) is active for this queue manager.

### System action

The log capture exit (entry point CSQJW117) is terminated. No further calls will be attempted for this queue manager. A full dump is provided for diagnostic purposes.

### System programmer response

Determine the cause of the CSQJL004 load module (CSQJW117 entry point) abend and take corrective action.

**Note:** A correctly-functioning copy of load module CSQJL004/entry CSQJW117 *must* be available in order to start the queue manager. If the problem that caused this error cannot be corrected, ensure that the default CSQJW117 entry (load module CSQJL004 - supplied with MQ) is available during the next queue manager start.

## CSQJ151I: *csect-name* ERROR READING RBA rrr, CONNECTION-ID=xxxx CORRELATION-ID=yyyyyy REASON CODE=ccc

### Explanation

The queue manager could not successfully complete the read of the indicated RBA due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

### System action

The queue manager attempts to recover from the error.

### System programmer response

If the queue manager was able to recover from the error and successfully complete the application, no further action is required. If the application abnormally terminated or the queue manager could not recover successfully, this message is followed by one or more messages. Refer to the information in this message and the subsequent messages to determine the appropriate corrective action. For information about recovery from log failures, refer to the WebSphere MQ for z/OS System Administration Guide.

**CSQJ152I: *csect-name* ERROR BUILDING ARCHIVE LOG VOLUME REPORT, CONNECTION-ID=xxxx CORRELATION-ID=yyyyyy REASON CODE=ccc**

**Explanation**

An error occurred while attempting to create the archive log volume report. An RBA range could not be successfully mapped into one or more archive data sets due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. This message might be preceded by one or more related error messages. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

This failure could be caused by one or more missing archive log data sets, or a system error (for example, an I/O error reading the BSDS).

**System action**

The archive log volume report (see message CSQJ330I) is not produced. In addition, no premounting of tapes is possible.

The user or application continues processing. The physical read process for the user or application continues until the job completes normally or terminates abnormally. The job can terminate abnormally if the error is encountered again when the data set is physically required for the read process.

**System programmer response**

If the user or application completes successfully, no further action is necessary. If the user or application does not complete successfully, refer to the messages related to the actual failure to determine the appropriate corrective action. For information about recovery from log failures, refer to the WebSphere MQ for z/OS System Administration Guide.

**CSQJ153I: *csect-name* ERROR READING LRSN rrr, CONNECTION-ID=xxxx CORRELATION-ID=yyyyyy REASON CODE=ccc, QMGR=*qmgr-name***

**Explanation**

The queue manager could not successfully complete the read of the indicated LRSN for the indicated queue manager (which might not be the issuer of the message) due to reason code *ccc*. The user or application that encountered the error is identified by the connection and correlation IDs. Messages that have the same connection ID and correlation ID relate to the same application. Correlation IDs beginning with '0nn', where nn is a number from 01 to 28, identify system agents.

**System action**

The queue manager attempts to recover from the error.

## System programmer response

If the queue manager was able to recover from the error and successfully complete the application, no further action is required. If the application abnormally terminated or the queue manager could not recover successfully, this message is followed by one or more messages. Refer to the information in this message and the subsequent messages to determine the appropriate corrective action. For information about recovery from log failures, refer to the WebSphere MQ for z/OS System Administration Guide.

## CSQJ160I: LONG-RUNNING UOW FOUND, URID=*urid* CONNECTION NAME=*name*

### Explanation

During active log offload, an uncommitted unit of recovery was encountered that now has records on the newly created archive log. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

### System action

Processing continues.

### System programmer response

Consult with the application programmer to determine if there is a problem with the unit of recovery, and to ensure that the application commits work frequently enough. Uncommitted units of recovery can lead to difficulties later.

## CSQJ161I: UOW UNRESOLVED AFTER *n* OFFLOADS, URID=*urid* CONNECTION NAME=*name*

### Explanation

During active log offload, an uncommitted unit of recovery was encountered that now has records spanning several archive logs. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

*n* is the number of logs archived since the unit of recovery was started. The message is first issued during an offload when *n* exceeds half the MAXARCH system parameter value, and is issued during every offload thereafter while the unit of recovery remains uncommitted.

### System action

Processing continues.

### System programmer response

Consult with the application programmer to determine if there is a problem with the unit of recovery, and to ensure that the application commits work frequently enough. Uncommitted units of recovery can lead to difficulties later.

**CSQJ200I: *csect-name* UTILITY PROCESSING COMPLETED SUCCESSFULLY**

**Explanation**

The utility completed successfully.

**CSQJ201I: *csect-name* UTILITY PROCESSING WAS UNSUCCESSFUL**

**Explanation**

The utility was unable to complete processing successfully.

**System action**

The current utility is terminated.

**System programmer response**

Review other messages produced by the utility to determine the appropriate action to be taken.

**CSQJ202E: INSUFFICIENT STORAGE AVAILABLE TO CONTINUE**

**Explanation**

A request for storage was unsuccessful because no more storage is available.

**System action**

The current utility is terminated.

**System programmer response**

Rerun the utility after increasing the storage available.

**CSQJ203E: *oper* OPERATION IS INVALID**

**Explanation**

The user entered a utility control statement operation (*oper*) that is invalid.

**System action**

The current utility is terminated.

**System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ204E: *xxxx* PARAMETER IS INVALID**

### **Explanation**

The user specified a utility control statement parameter (*xxxx*) that is invalid.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ205E: *xxxx* PARAMETER HAS NO ARGUMENT**

### **Explanation**

*xxxx* contains the name of a parameter that requires an argument.

### **System action**

The current utility is terminated.

### **System programmer response**

Specify an argument for the identified parameter and then rerun the utility.

## **CSQJ206E: *xxxx* PARAMETER REQUIRES NO ARGUMENT**

### **Explanation**

*xxxx* contains the name of the parameter that has been incorrectly followed by an = symbol.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ207E: PARAMETERS INCONSISTENT WITH SPECIFIED OPERATION**

### **Explanation**

The user has specified utility control statement parameters that are inconsistent with the specified utility operation.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ211E: UNEXPECTED END OF DATA ON SYSIN DATA SET**

### **Explanation**

Additional control statements were expected, but could not be found.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statements, and rerun the utility.

## **CSQJ212E: ERROR RETURNED FROM BSDS READ, RPLERRCD=yy, DDNAME=ddd**

### **Explanation**

A VSAM GET was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *ddd* contains the DDname of the BSDS encountering the error.

### **System action**

The current utility is terminated.

### **System programmer response**

The action taken is dictated by the return code. The BSDS might have to be recovered by use of a backup copy.

## **CSQJ213E: ERROR RETURNED FROM BSDS WRITE, RPLERRCD=yy, DDNAME=ddd**

### **Explanation**

A VSAM PUT was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *ddd* contains the DDname of the BSDS encountering the error.

### **System action**

The current utility is terminated.

### **System programmer response**

The action to be taken is dictated by the return code. The BSDS might have to be recovered by use of a backup copy.



**CSQJ214E: SPECIFIED DSNAME ALREADY EXISTS IN BSDS,  
DDNAME=*ddd***

**Explanation**

You attempted a NEWLOG operation with a data set name that already exists in the BSDS. An entry is never made in a BSDS if the specified DSNAME currently exists in either the active or archive records of that BSDS. *ddd* contains the DDname of the subject BSDS.

**System action**

The current utility is terminated.

**System programmer response**

Either correct the control statement and rerun the utility, or delete the existing DSNAME from the BSDS and rerun the utility.

**CSQJ216E: BSDS ACTIVE LOG DATA SET RECORD IS FULL,  
DDNAME=*ddd***

**Explanation**

The maximum number of active log data sets is fixed. No further entries can be inserted in the BSDS after the maximum has been reached. *ddd* contains the DDname of the subject BSDS.

**System action**

The current utility is terminated.

**System programmer response**

Run the print log map utility to determine the current status of the BSDS. Subsequent actions can then be formulated, depending upon the status of the BSDS.

**CSQJ217E: SPECIFIED DSNAME DOES NOT EXIST IN BSDS,  
DDNAME=*ddd***

**Explanation**

The DELETE operation specifies a DSNAME that cannot be found in the BSDS. *ddd* contains the DDname of the subject BSDS.

**System action**

The current utility is terminated.

**System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ218E: SPECIFIED VOLUME DOES NOT EXIST IN BSDS, DDNAME=*ddd***

### **Explanation**

The DELETE operation specifies a COPY1VOL or COPY2VOL argument that cannot be found in the BSDS. *ddd* contains the DDname of the subject BSDS.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement, and rerun the utility.

## **CSQJ219E: OPEN ERROR, DDNAME=*ddd***

### **Explanation**

An error occurred when *csect-name* tried to open a data set named *ddd*.

This error can be caused by a number of different conditions. The most probable conditions are:

1. The DDname of the SYSPRINT, SYSIN, or SYSUT1 data set was not specified in the user's job control language (JCL)
2. The queue manager is currently active
3. The BSDS has been allocated by another job with a disposition (DISP) that conflicts with the DISP specified in the user's JCL
4. The data set associated with *ddd* is already open, possibly due to an earlier error
5. The user is not authorized to access the data set associated with *ddd*
6. Insufficient storage is available to perform the OPEN operation
7. The catalog indicates that the data set associated with *ddd* has an invalid physical record size

### **System action**

The current utility is terminated.

### **System programmer response**

The user's action depends on the condition that caused the OPEN error. The following is a list of appropriate actions corresponding to the conditions listed in the explanation:

1. Provide the missing data definition (DD) statements, and then rerun the utility. See the WebSphere MQ for z/OS System Administration Guide for details concerning the required DD statements.
2. Wait until the queue manager is inactive before running the utility again because the log utility cannot run while it is active.
3. Correct the disposition conflict and then rerun the utility.

4. Submit an Access Method Services (IDCAMS) VERIFY job against the data set associated with *ddd*. Rerun the log utility job.
5. In the case of an authorization problem, a separate message is usually generated from the authorization facility (RACF, for example). Investigate the authorization messages and obtain the proper authorization before running the utility again.
6. Insufficient storage is usually accompanied by a separate error from z/OS. Increase the storage available and rerun the utility.
7. Reallocate the data set with a suitable physical record size.

## **CSQJ220E: BSDS IN CREATE MODE. NO DATA TO MAP, DDNAME=*ddd***

### **Explanation**

The print log map utility found the BSDS to be in create mode, so it cannot contain data to map. *ddd* contains the DDname of the data set.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the JCL so that a non-null data set can be processed.

## **CSQJ221I: PREVIOUS ERROR CAUSED *oper* OPERATION TO BE BYPASSED**

### **Explanation**

Errors were encountered during utility processing. These errors subsequently caused *oper* to be bypassed.

This message is a warning only and is displayed after messages that specify the error or errors that occurred. Note that the error or errors might not be associated with the current *oper* operation; rather, under log utility processing, a significant error in any operation causes the control statements for this and any subsequent operations to be checked for syntax only. BSDS updates do not occur for any operation specified in this message.

### **System action**

The log utility continues to process. However, for this and all subsequent operations, the BSDS is not updated and the utility only checks the syntax of the control statements.

### **System programmer response**

Consult the previous messages and correct any errors that caused this message to be generated. Resubmit the log utility job for all operations that have been bypassed.

## **CSQJ222E: INVALID SPECIFICATION OF *xxxx* PARAMETER ARGUMENT**

### **Explanation**

You specified the parameter *xxxx*. This parameter is not valid for the argument.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the parameter argument on the control statement, and rerun the utility.

## **CSQJ223E: *xxxx* PARAMETER ARGUMENT EXCEEDS MAXIMUM ALLOWABLE LENGTH**

### **Explanation**

*xxxx* specifies the name of the parameter whose argument value exceeded the maximum length allowed.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the parameter argument on the control statement, and rerun the utility.

## **CSQJ224E: *xxxx* PARAMETER APPEARS TOO OFTEN**

### **Explanation**

*xxxx* gives the name of the parameter that you have specified more than once on the same control statement.

### **System action**

The current utility is terminated.

### **System programmer response**

Remove the redundant parameter, and rerun the utility.

## **CSQJ225I: *oper* OPERATION SUCCESSFULLY COMPLETED**

### **Explanation**

The *oper* specified in the message identifies the name of the change log inventory utility operation that has been successfully completed.

**CSQJ226E: SPECIFIED VOLUME ALREADY EXISTS IN BSDS,  
DDNAME=*ddd***

**Explanation**

The specified volume currently exists in the archive log records of the BSDS. *ddd* specifies the DDname of the subject BSDS.

**System action**

The current utility is terminated.

**System programmer response**

Either correct the parameter argument on the control statement, or delete the specified volume and rerun the utility.

**CSQJ227E: NO SPACE IN BSDS FOR ADDITIONAL ARCHIVE  
ENTRIES, DDNAME=*ddd***

**Explanation**

The maximum number of archive volumes has been exceeded, and no more space is available for volume entries in the copy specified.

**System action**

The current utility is terminated.

**System programmer response**

Delete some of the archive entries in the specified copy number, and rerun the utility.

**CSQJ228E: *csect-name* LOG DEALLOCATION ERROR  
DSNAME=*dsname*, ERROR STATUS=*eeeeiiii*, SMS REASON  
CODE=*ssssssss***

**Explanation**

An error occurred when trying to dynamically deallocate the data set. Error status is the error reason code returned by z/OS dynamic allocation.

**System action**

Processing continues.

**System programmer response**

The error status portion of this message contains a 2-byte error code (*eee*, S99ERROR) followed by the 2-byte information code (*iii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *ssssssss* contains additional SMS reason code information obtained

from S99ERSN. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

## **CSQJ230E: LOG OFFLOAD INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the offload function was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate actions to take.

## **CSQJ231E: LOG COMMAND INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the command function was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ232E: OUTPUT DATA SET CONTROL INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the output data set control function was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific message for error analysis and the appropriate action to take.

## **CSQJ233E: ARCHIVE LOG READ INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the archive log read function was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ234E: ARCHIVE LOG COMMAND QUIESCE INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the quiesce function which supports the ARCHIVE LOG MODE(QUIESCE) command processing was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ235E: OUTPUT BUFFER WRITER INITIALIZATION PROCESSING FAILED**

### **Explanation**

During queue manager initialization, the output buffer writer function was unable to complete its initialization process.

### **System action**

Startup is terminated.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ236E: BOOTSTRAP ACCESS TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the BSDS access function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ238E: LOG OFFLOAD TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the offload function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ239E: LOG COMMAND TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the command function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.



## **CSQJ240E: OUTPUT DATA SET CONTROL TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the output data set control function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ241E: ARCHIVE LOG READ TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the archive log read function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ242E: ARCHIVE LOG COMMAND QUIESCE TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the quiesce function which supports the ARCHIVE LOG MODE(QUIESCE) command processing was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ243E: OUTPUT BUFFER WRITER TERMINATION PROCESSING FAILED**

### **Explanation**

During queue manager termination, the output buffer writer function was unable to complete its termination process.

### **System action**

Termination processing continues.

### **System programmer response**

One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

## **CSQJ244E: MACRO *xxx* FAILED IN LOG TERMINATION, RC=*ccc***

### **Explanation**

During termination, there was a return code from the named macro that indicated an error.

### **System action**

Termination processing continues.

### **System programmer response**

If the problem persists, contact your IBM support center for assistance.

## **CSQJ245D: RESTART CONTROL INDICATES TRUNCATION AT RBA *rrr*. REPLY Y TO CONTINUE, N TO CANCEL**

### **Explanation**

The conditional restart control record in use indicates that the log should be truncated at the specified RBA.

### **System action**

If 'Y', queue manager startup continues. If 'N', startup is terminated.

### **Operator response**

Reply 'N' if the truncation is going to occur at an undesirable point. Reply 'Y' to continue the restart.

### **System programmer response**

Run the change log inventory utility (CSQJU003) to modify the conditional restart record.

## **CSQJ246D: RESTART CONTROL INDICATES COLD START AT RBA rrr. REPLY Y TO CONTINUE, N TO CANCEL**

### **Explanation**

The conditional restart control record in use indicates that the queue manager is to be cold started and that logging is to begin at the specified RBA.

### **System action**

If 'Y', queue manager startup continues. If 'N', startup is terminated.

### **Operator response**

Reply 'N' if the truncation is going to occur at an undesirable point. Reply 'Y' to continue the cold start.

### **System programmer response**

Run the change log inventory utility (CSQJU003) to modify the conditional restart record.

## **CSQJ247E: *csect-name* I/O ERROR PROCESSING BSDS ARCHIVE LOG RECORD, RC=*rc* REASON=*reason***

### **Explanation**

An input/output error occurred while processing a BSDS record. *rc* indicates the return code received from the input/output operation. *reason* indicates the reason code received from the operation.

Return code 4 indicates that MQ detected a problem. Return code 8 indicates a VSAM error.

### **System action**

Startup is terminated.

### **System programmer response**

For a return code of 4, if the problem persists, contact your IBM support centre for assistance. For a return code of 8, run an offline Access Method Services job to determine the cause of the VSAM error.

## **CSQJ250I: *csect-name* DATA SET *dsname* HAS SHAREOPTIONS LESS THAN (2 3) – CF STRUCTURE RECOVERY NOT POSSIBLE**

### **Explanation**

An active log data set was detected with share options that do not permit CF structure recovery in a queue-sharing group environment. All active log data sets must be have SHAREOPTIONS(2 3) at least to allow CF structure recovery.

This can occur when the queue manager's own log data sets are checked during startup, or when a RECOVER CFSTRUCT command is issued that requires to access another queue manager's log data sets.

### **System action**

If this is a result of a RECOVER CFSTRUCT command, the command is terminated. Otherwise, startup continues, but CF structure recovery will not be possible.

### **System programmer response**

If you want CF structure recovery, use the Access Method Services ALTER function to correct the SHAREOPTIONS for the data set; for example

```
ALTER dsname.DATA SHAREOPTIONS(2 3)
```

Then restart the queue manager that owns the data set.

## **CSQJ295D: RESTART CONTROL INDICATES TRUNCATION AT LRSN *rrr*. REPLY Y TO CONTINUE, N TO CANCEL**

### **Explanation**

The conditional restart control record in use indicates that the log should be truncated at the specified LRSN.

### **System action**

If 'Y', queue manager startup continues. If 'N', startup is terminated.

### **Operator response**

Reply 'N' if the truncation is going to occur at an undesirable point. Reply 'Y' to continue the restart.

### **System programmer response**

Run the change log inventory utility (CSQJU003) to modify the conditional restart record.

## **CSQJ301E: *csect-name* ERROR USING ONLINE BOOTSTRAP DATA SET (ACTION CODE *a*)**

### **Explanation**

During command processing for the RECOVER BSDS command or the ARCHIVE LOG command, an error occurred while performing an operation on the BSDS. The type of operation is specified by the code *a*:

- 1 Unable to OPEN the BSDS
- 2 Unable to read a required record from the BSDS
- 3 Unable to write a required record to the BSDS

- 4 The contents of the stable BSDS was successfully copied to the replacement BSDS; however, the queue manager was unable to successfully restore dual BSDS operation

### **System action**

If this message was received during processing of the RECOVER BSDS command, then the queue manager will continue in single BSDS mode. If this message was received during processing of the ARCHIVE LOG command, the archive log history record in the BSDS will not be updated to reflect the occurrence of an ARCHIVE LOG command; logging and the offload processing will continue.

### **System programmer response**

If this message was received during processing of the RECOVER BSDS command, recovery action must be performed on the BSDS before re-entering the command. If this message was received during processing of the ARCHIVE LOG command, no action is necessary.

## **CSQJ302E: ALLOCATION ERROR ON REPLACEMENT BSDS DSNAME=*dsname* ERROR STATUS=*eee***

### **Explanation**

The RECOVER BSDS command encountered an error while trying to allocate the specified data set dynamically. DSNAMES is the data set name. Error Status is the error code and information code returned by z/OS dynamic allocation.

### **System action**

Processing of the command is terminated. The queue manager continues in single BSDS mode.

### **System programmer response**

Determine the cause of the error from the error status contained in the message, and correct the condition. Then re-enter the RECOVER BSDS command.

The error status portion of this message contains the 2-byte error code (S99ERROR) followed by the 2-byte information code (S99INFO) from the SVC request block. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

## **CSQJ303E: WRITE ERROR ON REPLACEMENT BSDS DSNAME=*dsname* ERROR STATUS=*eee***

### **Explanation**

The RECOVER BSDS command encountered an error while attempting to write to the specified BSDS. Error status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code.

### **System action**

Processing of the command is terminated. The queue manager continues in single BSDS mode.

### **System programmer response**

Run an offline Access Method Services job to delete or rename the replacement BSDS and define a new BSDS with the same name. Re-enter the RECOVER BSDS command to reestablish dual BSDS mode.

## **CSQJ304E: ERROR CLOSING REPLACEMENT BSDS DSNAME=*dsname* ERROR STATUS=*eee***

### **Explanation**

The RECOVER BSDS command encountered an error while attempting to close the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code.

### **System action**

Processing of the command is terminated. The queue manager continues in single BSDS mode.

### **System programmer response**

Run an offline Access Method Services job to delete or rename the replacement BSDS and define a new BSDS with the same name. Re-enter the RECOVER BSDS command to reestablish dual BSDS mode.

## **CSQJ305E: REPLACEMENT BSDS NOT EMPTY DSNAME=*dsname***

### **Explanation**

The RECOVER BSDS command was issued, but the replacement BSDS was not empty; that is, it contained data.

### **System action**

Processing of the command is terminated. The queue manager continues in single BSDS mode.

### **System programmer response**

Run an offline Access Method Services job to delete or rename the error BSDS and define a new BSDS with the same name. Re-enter the RECOVER BSDS command to reestablish dual BSDS mode.

## **CSQJ306I: DUAL BSDS MODE ALREADY ESTABLISHED**

### **Explanation**

The RECOVER BSDS command was issued, but the queue manager was already in dual BSDS mode.

### **System action**

The command is ignored.

## **CSQJ307I: LOG INITIALIZED IN SINGLE BSDS MODE**

### **Explanation**

The RECOVER BSDS command was issued, but the queue manager was initialized in single BSDS mode.

### **System action**

Processing of the command is terminated. The queue manager continues in single BSDS mode.

## **CSQJ308I: LOG NOT OFFLOADED FOR ARCHIVE LOG COMMAND, ARCHIVING IS OFF**

### **Explanation**

The ARCHIVE LOG command was issued, but archiving is off (that is, OFFLOAD is set to 'NO' in the CSQ6LOGP system parameters).

### **System action**

The current active log data set is not offloaded. However, it is truncated and logging continues using the next active log data set.

## **CSQJ309I: QUIESCING FOR ARCHIVE LOG COMMAND WITH WAIT(YES) STARTED FOR MAXIMUM OF *xxx* SECONDS**

### **Explanation**

An ARCHIVE LOG command with the MODE(QUIESCE) and WAIT(YES) options has been accepted by the queue manager. The quiesce processing has commenced.

WAIT(YES) means that quiesce processing will be synchronous to the user; that is, the user can enter additional commands, but they will not be processed until the quiesce processing has ended.

### **System action**

The queue manager attempts to stop all updates to MQ resources within the time period specified in the message. Users and jobs using the queue manager are allowed to reach a point of consistency (commit point) before being blocked from further update activity. Users and jobs are suspended until they are released by the

queue manager following the initiation of the offload processing. If the queue manager can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

This message will be followed by message CSQJ311I or CSQJ317I.

### **Operator response**

No response is necessary. However, it can be expected that users and jobs using MQ resources will be suspended through the duration of the specified time interval, or until the queue manager can be certain that all update activity has been effectively blocked. At some point, this message will be followed by the CSQJ311I message or CSQJ317I message.

## **CSQJ310I: QUIESCING FOR ARCHIVE LOG COMMAND WITH WAIT(NO) STARTED FOR MAXIMUM OF *xxx* SECONDS**

### **Explanation**

An ARCHIVE LOG command with the MODE(QUIESCE) and WAIT(NO) by the queue manager. The quiesce processing has commenced.

WAIT(NO) means that quiesce processing will be asynchronous to the user; that is, control will be returned to the invoker as soon as the quiesce task has been started. Thus, the queue manager will accept, and process, any new commands while the quiesce task is running.

### **System action**

The queue manager attempts to stop all updates to MQ resources within the time period specified in the message. Users and jobs using the queue manager are allowed to reach a point of consistency (commit point) before being blocked from further update activity. Users and jobs are suspended until they are released by the queue manager following the initiation of the offload processing. If the queue manager can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

This message will be followed by message CSQJ311I or CSQJ317I.

### **Operator response**

No response is necessary. However, it can be expected that users and jobs using MQ resources will be suspended through the duration of the specified time interval, or until the queue manager can be certain that all update activity has been effectively blocked. At some point, this message will be followed by the CSQJ311I message or CSQJ317I message.



## **CSQJ311I: *csect-name* LOG ARCHIVE (OFFLOAD) TASK INITIATED**

### **Explanation**

A user-initiated ARCHIVE LOG command has been accepted by the queue manager. A task to archive (offload) the active log data set has been started.

### **System action**

The current active log data sets will be truncated and switched to the next available active log data sets. The task has been started will archive the active log data sets asynchronously, allowing the queue manager to continue processing.

This message will be followed by the CSQJ312I message if the MODE(QUIESCE) option was used with the ARCHIVE LOG command.

### **Operator response**

Respond as for normal operational procedures when the offload task begins.

## **CSQJ312I: ARCHIVE LOG QUIESCE ENDED. UPDATE ACTIVITY IS NOW RESUMED**

### **Explanation**

An ARCHIVE LOG command with the MODE(QUIESCE) option was processed by the queue manager. As part of the MODE(QUIESCE) processing, an attempt was made to stop all new update activity against MQ resources. This message signals the end of the quiesce processing, and the resumption of normal activity for all users and jobs which were blocked during the quiesce period.

This message will follow the CSQJ311I message or CSQJ317I message.

### **System action**

The queue manager has now resumed all normal activity for all users and jobs which were blocked during the quiesce period.

## **CSQJ314E: 'kwd1' requires 'kwd2' to be specified too**

### **Explanation**

A command was entered that specified the *kwd1* keyword. However, use of this keyword requires that the *kwd2* keyword is also used.

### **System action**

Processing for the command is terminated.

## Operator response

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

## CSQJ315I: STOP QMGR MODE(FORCE) IN PROGRESS

### Explanation

An attempt was made to issue an ARCHIVE LOG command when a STOP QMGR MODE(FORCE) command was already in progress.

### System action

Command processing will terminate for the ARCHIVE LOG command. The STOP QMGR MODE(FORCE) processing will continue.

## CSQJ316I: SYSTEM QUIESCE ALREADY IN PROGRESS

### Explanation

An ARCHIVE LOG command with the MODE(QUIESCE) option or a SUSPEND QMGR LOG command was issued when a system quiesce was already in progress. The system quiesce could be the result of processing by another ARCHIVE LOG MODE(QUIESCE) command, or by a STOP QMGR MODE(QUIESCE) command.

### System action

Command processing will terminate. The system quiesce currently in progress will continue.

## CSQJ317I: QUIESCE PERIOD EXPIRED WITH *nn* OUTSTANDING URS AT time. ARCHIVE LOG PROCESSING TERMINATED

### Explanation

An ARCHIVE LOG MODE(QUIESCE) command was processed by the queue manager. However, the queue manager was not able to quiesce all update activity in the user-specified quiesce time interval.

### System action

This message is for information only. The queue manager determined that *nn* units of recovery did not reach a point of consistency during the quiesce period, and therefore could not be stopped from continuing their associated update processing.

Consequently, the ARCHIVE LOG processing will be terminated. The current active log data sets will not be truncated, and will not be switched to the next available active log data sets. The log archive (offload) task will not be created. All jobs and users suspended during the quiesce will be resumed, and normal update activity against MQ resources will be commenced.

This message will be followed by the CSQJ312I message.

### **System programmer response**

You must decide whether the outstanding (non-quieted) units of recovery represent significant work.

Each user on the system has a unit of recovery if they are modifying MQ resources. Units of recovery are also created by the queue manager itself for internal processing. Because the purpose of the MODE(QUIESCE) option is to have all units of recovery reach a point of consistency (commit point) before the active log data set is truncated and offloaded, determine all outstanding non-queued jobs and users by using DISPLAY THREAD and the z/OS command DISPLAY ACTIVE,LIST.

Note that units of recovery might be outstanding due to lock contention between a user or job that holds a resource (and has reached a point of consistency), and a user or job that wants a lock (and therefore cannot reach a point of consistency).

Before resubmitting the ARCHIVE LOG command with the MODE(QUIESCE) option, either:

- Wait until the threads have been deallocated
- Wait until the queue manager is less busy
- Force the offending threads to terminate
- Use the TIME option to override and extend the maximum quiesce time period specified in the system parameters
- If having all units of recovery reach a point of consistency in the active log is no longer critical, issue the ARCHIVE LOG command without the MODE(QUIESCE) option

**Note:** If you decide to use the ARCHIVE LOG command without the MODE(QUIESCE) option, the active log data sets will be truncated without regard to quiescing activity on the queue manager. If the resulting archive log data set is used for recovery, it is possible that some units of recovery might be found to be in-flight, in-backout, in-commit, or in-doubt during queue manager initialization.

If expiration of the quiesce period before all units of recovery reach a consistent point is a problem, you might have to adjust the QUIESCE value in the CSQ6ARVP system parameters. See the WebSphere MQ for z/OS System Setup Guide for more information.

## **CSQJ318I: ARCHIVE LOG COMMAND ALREADY IN PROGRESS**

### **Explanation**

An attempt was made to issue an ARCHIVE LOG command when another ARCHIVE LOG command was already in progress.

### **System action**

Command processing will terminate. The ARCHIVE LOG command currently in progress will continue.

## **CSQJ319I: *csect-name* CURRENT ACTIVE LOG DATA SET IS THE LAST AVAILABLE ACTIVE LOG DATA SET. ARCHIVE LOG PROCESSING WILL BE TERMINATED**

### **Explanation**

The ARCHIVE LOG command was rejected because the current active log is the last available active log data set. To process the command when these conditions exist would cause the queue manager to exhaust its available active log resources and immediately halt processing.

### **System action**

Processing for the command is terminated.

If the situation is not corrected, the queue manager will issue the CSQJ110E message (if it has not already done so) when the available active log data space reaches critically low levels. Ultimately, message CSQJ111A will be issued when the available active log data space is exhausted, and processing will stop until active log space is made available.

### **System programmer response**

To clear this condition, steps must be taken to complete other waiting offload tasks. Once another active log is made available (re-usable) by completing the offload process for it, the command processing for the current active log can proceed.

Perform a display request to determine the outstanding requests related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

If offload does not complete normally, or cannot be initiated, either correct the problem that is causing the offload problem, or add more active log data sets. Note that the latter action requires the queue manager to be inactive and the change log inventory utility to be run.

Possible causes for the shortage of active log data space are:

- Excessive logging. For example, there is a lot of persistent message activity.
- Delayed or slow offloading. For example, failure to mount archive volumes, incorrect replies to offload messages, or slow device speeds.
- Excessive use of the ARCHIVE LOG command. Each invocation of the command causes the queue manager to switch to a new active log data set. Excessive use could consume the available active log data space if the resulting offloads were not processed in a timely manner.
- Offloads unsuccessful.
- Insufficient active log space.

## **CSQJ320E: *csect-name* UNABLE TO PROCESS LOG TRUNCATION REQUEST DUE TO INTERNAL ERROR. (ERROR DATA=ddd)**

### **Explanation**

While processing an ARCHIVE LOG command, an internal request was made of the log buffer output routine to force-write the log buffers and to truncate and switch the active log to the next available active log data sets.

### **System action**

Processing for the command is terminated.

### **System programmer response**

This is an internal error detected by the queue manager. The error might be caused by an unrelated error in the log buffer writer component (CSQJWxxx), by a STOP QMGR MODE(FORCE) command, or by abnormal termination. See any messages that precede this message.

## **CSQJ321E: UNABLE TO CONTINUE ARCHIVE LOG QUIESCE DUE TO INTERNAL ERROR. ARCHIVE LOG PROCESSING TERMINATED**

### **Explanation**

An ARCHIVE LOG command with the MODE(QUIESCE) option was processed by the queue manager. As part of the MODE(QUIESCE) processing, an attempt was made to stop all new update activity against MQ resources. During the processing, an internal error occurred.

### **System action**

The ARCHIVE LOG MODE(QUIESCE) processing is terminated. This message will be followed by message CSQJ312I after all users and jobs quiesced by the MODE(QUIESCE) processing are resumed.

### **System programmer response**

This error is an internal error detected by the queue manager. Retry the ARCHIVE LOG MODE(QUIESCE) command. If the error persists, the active log data sets can be switched using the ARCHIVE LOG command without the MODE(QUIESCE) option.

## **CSQJ322I: DISPLAY *parm-type* report ...**

### **Explanation**

This message comprises part of the response to the DISPLAY and SET *parm-type* commands (where *parm-type* is SYSTEM, LOG, or ARCHIVE). It provides information about the corresponding system parameters as follows:

```

Parameter Initial value SET value
parm-name vvv sss
:
:
End of parm-type report

```

where:

*parm-name*

is the name of the system parameter or subparameter.

*vvv*

is the value for the indicated parameter (specified in CSQ6SYSP, CSQ6LOGP, or CSQ6ARVP) used when the queue manager was started.

*sss*

is the value for the indicated parameter in use currently, as specified by a SET *parm-type* command. If *sss* is blank, the initial value is in use currently.

## System action

Processing continues.

## CSQJ325I: ARCHIVE tape unit report ...

### Explanation

This message comprises part of the response to the DISPLAY and SET ARCHIVE commands. It provides information about tape units used for archive logging, as follows:

```

Addr St CorrelID VolSer DSName
addr st correlid volser dsname
:
:
End of tape unit report

```

where:

*addr* The physical address of a tape unit allocated to read the archive log.

*st* The status of the tape unit:

- B** Busy, actively processing an archive log data set.
- P** Premount, active and allocated for premounting.
- A** Available, inactive and waiting for work.
- \*** Unknown.

*correlid*

The correlation ID associated with the user of the tape being processed; '\*\*\*\*\*' if there is no current user.

*volser*

The volume serial number of the tape that is mounted.

*dsname*

The data set name on the tape volume that is being processed or was last processed.

If no tape units are allocated, the list is replaced by:

**No tape archive reading activity**

## System action

Processing continues.

## **CSQJ330I: ARCHIVE LOG VOLUMES required for connection-ID xxxx, correlation-ID yyyyyy: v1, v2, ...**

### **Explanation**

This message lists the names of the archive log volumes needed by the indicated correlation ID for the given connection ID. It is generated automatically by the archive read process at the first archive log tape mount for that correlation ID. The connection ID is an identifier representing the connection name used to establish the thread; the correlation ID is an identifier associated with a specified thread, such as a job name.

A volume name prefixed with an *'\*\*'* signifies that the data on the archive log volume is also mapped by an active log data set. As such, the volume might not be required for the read process, because the data is read from the active log if possible.

If the report is completed successfully, it is terminated by:

**End of ARCHIVE LOG VOLUMES report**

### **System action**

Processing continues.

## **CSQJ334E: Parameter value is unacceptable for 'kwd'**

### **Explanation**

The parameter value specified is not an acceptable value for the named keyword, or is incompatible with values set for other keywords.

### **System action**

Processing for the command is terminated.

### **Operator response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

## **CSQJ335E: Invalid command syntax**

### **Explanation**

No keywords or an unacceptable combination of keywords was specified on a command.

### **System action**

Processing for the command is terminated.

## Operator response

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

## CSQJ337I: parm-type parameters set

### Explanation

The SET command completed successfully, setting system parameter values for the indicated *parm-type* (SYSTEM, LOG, or ARCHIVE).

## CSQJ364I: IMS Bridge facility suspended for XCFGNAME=*gname* XCFMNAME=*mname*

### Explanation

This is issued as part of the response to a DISPLAY SYSTEM command if the MQ-IMS Bridge facility to the partner IMS™ system identified by *gname* and *mname* is suspended.

### System programmer response

Use the RESUME QMGR FACILITY(IMSBRIDGE) command when ready to resume the MQ-IMS Bridge.

## CSQJ365I: DB2 connection suspended

### Explanation

This is issued as part of the response to a DISPLAY SYSTEM command if the connection to DB2 is suspended.

### System programmer response

Use the RESUME QMGR FACILITY(DB2) command when ready to resume the connection to DB2.

## CSQJ366I: Logging already suspended

### Explanation

A SUSPEND QMGR LOG command was issued, but logging was already suspended by a previous command.

### System action

The command is ignored.



## **CSQJ367I: Queue manager stopping**

### **Explanation**

A SUSPEND QMGR LOG command was issued, but the queue manager is stopping.

### **System action**

The command is ignored.

## **CSQJ368I: Logging not suspended**

### **Explanation**

A RESUME QMGR LOG command was issued, but logging was not suspended.

### **System action**

The command is ignored.

## **CSQJ369E: *csect-name* Failure while suspending logging**

### **Explanation**

A SUSPEND QMGR LOG command was issued, but it terminated abnormally.

### **System action**

The command is ignored, and logging is not suspended.

### **System programmer response**

Verify the command entry, and reissue the command. If it fails again, collect the items listed in the Problem Determination section, and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

## **CSQJ370I: LOG status report ...**

### **Explanation**

This message comprises part of the response to the DISPLAY and SET LOG commands. It provides information about the status of the log data sets, as follows:

```

Copy %Full DSName
  1  k  dsname
  2  k  dsname
Restarted at date time using RBA=sss
Latest RBA=rrr
Offload task is xxx
Full logs to offload – m of n

```

where:

- 1, 2** Information for the current active log copy 1 and copy 2 data sets respectively.
- k** The percentage of the active log data set that has been used.
- dsname***  
The data set name of the active log data set. If the copy is not currently active, this is shown as **Inactive**.
- date time***  
The time that the queue manager was started.
- sss*** The RBA from which logging began when the queue manager was started.
- rrr*** The RBA of the most recently written log record. If logging is suspended, this line is replaced by  
**Logging suspended at RBA=*rrr***
- xxx*** The status of the offload task, which can be:
  - BUSY, allocating archive data set**  
This could indicate that a tape mount request is pending.
  - BUSY, copying BSDS**  
Copying the BSDS data set.
  - BUSY, copying active log**  
Copying the active log data set.
  - BUSY** Other processing.
  - AVAILABLE**  
Waiting for work.
- m, n*** The number of full active log data sets that have not yet been archived, and the total number of active log data sets.

### System action

Processing continues.

## CSQJ372I: Logging suspended for *qmgr-name* at RBA=*rrr*

### Explanation

This is issued in response to a SUSPEND QMGR LOG command if it completed successfully.

It is also issued in response to other commands if logging is suspended, indicating that the command cannot be processed while logging is suspended.

### **System action**

All log update activity is suspended for the queue manager named. *rrr* is the RBA of the last log record written.

For commands other than SUSPEND QMGR LOG, the command is ignored.

### **System programmer response**

Use the RESUME QMGR LOG command when ready to resume logging.

## **CSQJ373I: Logging resumed for *qmgr-name***

### **Explanation**

The RESUME QMGR LOG command completed successfully.

### **System action**

All log update activity is resumed for the queue manager named.

## **CSQJ401E: RECORD NOT FOUND – *rrr***

### **Explanation**

An attempt was made to read the *rrrr* record from the BSDS. In doing so, the read routine (CSQJU01B) could not find the record.

This is not necessarily an error; for example, if you have never used CSQJU003 CRESTART, there won't be any CRCR records, so you will get this message from CSQJU004 for the RESTART CONTROL records.

### **System action**

Utility processing continues.

## **CSQJ404E: *kwd* NOT ALLOWED FOR *oper* OPERATION**

### **Explanation**

An invalid keyword was used during the *oper* operation.

### **System action**

The current utility processing is terminated.

## **CSQJ405E: KEYWORDS *kwd1* AND *kwd2* CANNOT BOTH BE SPECIFIED**

### **Explanation**

Keywords *kwd1* and *kwd2* cannot appear on the same control statement.

**System action**

The current utility processing is terminated.

**Operator response**

Correct the control statement and rerun the utility.

**CSQJ406E: EITHER KEYWORD *kwd1* OR *kwd2* MUST BE SPECIFIED****Explanation**

A required keyword was not used on the control statement. Use either *kwd1* or *kwd2* with that control statement type.

**System action**

The current utility processing is terminated.

**Operator response**

Correct the control statement and rerun the utility.

**CSQJ407E: NO VALID CHECKPOINT RBA FOUND****Explanation**

After completing its search through the resource manager status table and the checkpoint queue, no valid checkpoint RBA was found within the specified range.

**System action**

The current utility processing is terminated.

**System programmer response**

The last 100 checkpoints are recorded in the BSDS, including the log STARTRBA and log ENDRBA of the checkpoint range. The utility attempts to locate a valid checkpoint in the range. In this case the utility was unsuccessful in finding a valid checkpoint.

Use the Print Log Map Utility (CSQJU004) to determine the valid RBA ranges, and rerun the job with a suitable RBA specification.

**CSQJ408I: CHECKPOINT RBA FOUND, RBA=*rba*, TIME=*date time*****Explanation**

After completing its search through the resource manager status table and the checkpoint queue, *rba* was the most recent checkpoint RBA in the specified range, and *date time* was the time of the checkpoint.

### **System action**

Utility processing continues.

## **CSQJ409E: I/O ERROR DURING READ PROCESSING OF RECORD – *yyy***

### **Explanation**

An input/output error occurred during a READ of a record. *yyy* specifies the record in question.

### **System action**

The current utility processing is terminated. This message is accompanied by message CSQJ212E.

### **System programmer response**

Determine the cause of the error based on the error status information provided in message CSQJ212E.

## **CSQJ410E: I/O ERROR DURING WRITE PROCESSING OF RECORD – *yyy***

### **Explanation**

An input/output error occurred during a WRITE of a record. *yyy* specifies the record in question.

### **System action**

The current utility processing is terminated. This message is accompanied by message CSQJ213E.

### **System programmer response**

Determine the cause of the error based upon the error status information provided in message CSQJ213E.

## **CSQJ411I: CRESTART CREATE FOR CRCRID=*yyyy*, DDNAME=*ddd***

### **Explanation**

A CRESTART CREATE request has just completed. *yyyy* is the restart control record hexadecimal identifier and *ddd* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

### **System action**

Current utility processing continues.

### **System programmer response**

Note the record identifier for future reference.

## **CSQJ412E: RESTART CONTROL RECORD NOT FOUND IN BSDS**

### **Explanation**

A CRESTART CANCEL keyword was specified but the conditional restart control record does not exist in the BSDS data set.

### **System action**

Current utility processing is terminated.

### **System programmer response**

None necessary, if CANCEL was the intended action. Otherwise, correct the control statement and rerun the utility.

## **CSQJ413E: INVALID LOG RANGE SCOPE OR CHECKPOINT SPECIFIED**

### **Explanation**

The values specified through the STARTRBA and ENDRBA keywords are invalid.

### **System action**

Current utility processing is terminated.

### **System programmer response**

Ensure that the log range values are correct and correspond to the other log range values either specified or defaulted. The STARTRBA must be less than or equal to the ENDRBA.

## **CSQJ414I: COLD START WILL RESULT FROM THIS RESTART CONTROL RECORD. FORWARD AND BACKOUT SET TO NO**

### **Explanation**

STARTRBA and ENDRBA are equal. A cold start will result if this restart control record is used during restart. No forward or backout processing will be performed.

### **System action**

CRESTART processing continues.

### **System programmer response**

No additional actions are required if a cold start of the queue manager is desired. If a cold start is not desired, reissue the CRESTART and either CANCEL the

current restart control record, or CREATE a new restart control record.

## **CSQJ415E: ENDRBA=*rba* IS INVALID, MUST BE A MULTIPLE OF 4K**

### **Explanation**

The specified ENDRBA at *rba* is not a multiple of 4K.

### **System action**

CRESTART processing is terminated.

### **System programmer response**

Correct the ENDRBA value on the CRESTART statement and rerun the utility.

## **CSQJ416I: WARNING – BSDS UTILITY TIME STAMP MISMATCH DETECTED. PROCESSING CONTINUES**

### **Explanation**

As a result of a change log inventory update, it was discovered that the SYSUT1 BSDS and SYSUT2 BSDS time stamps are unequal. Their inequality indicates the possibility of a BSDS mismatch.

### **System action**

Current utility processing continues.

### **System programmer response**

Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine if each BSDS is current. If each BSDS is current, this warning can be ignored. If either BSDS is not current, delete the obsolete data set and define a replacement data set, then copy the current BSDS into the replacement data set.

## **CSQJ417E: REQUIRED *xxxx* PARAMETER FOR *oper* OPERATION IS MISSING**

### **Explanation**

Required parameter *xxxx* for a log utility operation was missing from the log utility control statement. The attempted operation is *oper*.

### **System action**

The log utility *oper* operation does not perform its function. All subsequent log utility control statements are processed. A nonzero return code is issued by the utility.

### **System programmer response**

Add the missing parameter to the control statements associated with the specified operation and rerun the utility.

## **CSQJ418I: NOTREUSABLE ACTIVE LOG DELETED FROM THE BSDS LOG INVENTORY, STARTRBA=*sss* ENDRBA=*ttt***

### **Explanation**

The data set name specified on the DSNAME parameter of the change log inventory utility DELETE statement was a NOTREUSABLE active log.

### **System action**

The change log inventory utility processing continues. It will terminate with a return code of 4.

### **System programmer response**

No additional actions are required if you want to delete a NOTREUSABLE active log. If not, recreate the deleted log by using the NEWLOG statement with the RBA values specified in the warning message.

## **CSQJ421I: CRESTART CANCEL FOR CRCRID=*yyyy*, DDNAME=*ddd***

### **Explanation**

A CRESTART CANCEL request has just completed. *yyyy* is the restart control record hexadecimal identifier and *ddd* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

### **System action**

Current utility processing continues.

### **System programmer response**

Note the record identifier for future reference.

## **CSQJ425E: INVALID VALUE OR FORMAT FOR *xxxx* PARAMETER (YYYYDDDHHMMSST)**

### **Explanation**

The *xxxx* parameter contains an incorrect value or incorrect format for the date and time.

### **System action**

The current utility is terminated.



### **System programmer response**

Correct the control statement and rerun the utility.

## **CSQJ426E: ENDTIME VALUE CANNOT BE LESS THAN STARTIME VALUE**

### **Explanation**

The STARTIME and ENDTIME parameters specify a time range. Therefore, the ENDTIME value must be equal to or greater than STARTIME value.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement and rerun the utility.

## **CSQJ427I: CHECKPOINT RECORD ADDED TO QUEUE**

### **Explanation**

The checkpoint record specified has been added to the checkpoint queue in the BSDS.

### **System action**

Processing continues.

## **CSQJ428I: CHECKPOINT RECORD DELETED FROM QUEUE, STARTRBA=ssss ENDRBA=ttt**

### **Explanation**

The checkpoint record specified has been deleted from the checkpoint queue in the BSDS. *ssss* and *ttt* was the RBA range indicated in the deleted checkpoint record.

### **System action**

Processing continues.

## **CSQJ429E: RBA RANGE CONFLICTS WITH EXISTING CHECKPOINT RECORD RBA RANGE**

### **Explanation**

The specified RBA range for the new checkpoint record either exists, or overlaps an existing RBA range in the checkpoint queue in the BSDS.

### **System action**

The current utility is terminated.

### **System programmer response**

Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine the correct RBA range, correct the STARTRBA and ENDRBA parameters, and rerun the utility.

## **CSQJ430E: SPECIFIED ENTRY CANNOT BE ADDED WITHOUT OVERLAYING EXISTING LOWEST ENTRY**

### **Explanation**

The specified RBA range for the new checkpoint record is less than the lowest existing entry. The checkpoint queue in the BSDS is currently full and cannot add the new entry without overlaying the lowest entry.

### **System action**

The current utility is terminated.

### **System programmer response**

Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine the lowest existing entry, either change the STARTRBA and ENDRBA parameters or delete the lowest existing entry and add a new low checkpoint entry, and rerun the utility.

## **CSQJ431E: STARTRBA SPECIFIED CANNOT BE FOUND IN CHECKPOINT QUEUE**

### **Explanation**

The specified STARTRBA could not be located in the checkpoint queue in the BSDS.

### **System action**

The current utility is terminated.

### **System programmer response**

Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine the correct STARTRBA value, correct the STARTRBA parameter, and rerun the utility.

## **CSQJ432E: *kwd* VALUE MUST END WITH 'xxx'**

### **Explanation**

The value specified for keyword *kwd* is not valid. It must end with 'xxx'.

### **System action**

The current utility is terminated.

### **System programmer response**

Correct the control statement and rerun the utility.

### **CSQJ440I: *csect-name* IBM WebSphere MQ for z/OS version**

#### **Explanation**

This message is issued as part of the header to reports issued by the utility programs.

### **CSQJ443I: *csect-name* CHANGE LOG INVENTORY UTILITY – date time**

#### **Explanation**

This message is issued as a header to the report issued by the utility program.

### **CSQJ444I: *csect-name* PRINT LOG MAP UTILITY – date time**

#### **Explanation**

This message is issued as a header to the report issued by the utility program.

### **CSQJ491I: *csect-name* Log Data Set Preformatter Utility – date time**

#### **Explanation**

This message is issued as a header to the report issued by the utility program.

### **CSQJ492I: Log data set name = *dsname***

#### **Explanation**

This identifies the name of the log data set to be preformatted.

### **CSQJ493I: Log data set is not VSAM**

#### **Explanation**

The input log data set is not a VSAM data set.

#### **System action**

Utility processing is terminated.

#### **System programmer response**

Check that the SYSUT1 DD statement and the data set name is specified correctly. Use Access Method Services to define the data set as a VSAM linear data set.

## **CSQJ494E: VSAM OPEN failed, ACBERRFLG=ee**

### **Explanation**

Opening the log data set failed with the indicated ACB error code.

### **System action**

Utility processing is terminated if the error code is 128 or more; otherwise processing continues.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the VSAM error code.

## **CSQJ495E: VSAM PUT failed, RPLERREG=ee reason code=reason**

### **Explanation**

Writing the log data set failed with the indicated RPL error code and reason code.

### **System action**

Utility processing is terminated.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the VSAM error code and reason code.

## **CSQJ496I: Log preformat completed successfully, n records formatted**

### **Explanation**

The active log data set has been preformatted successfully.

### **System action**

Utility processing is complete.

## **CSQJ497I: Log preformat terminated**

### **Explanation**

Preformatting the active log data set did not complete successfully.

### **System action**

Utility processing is terminated.

## System programmer response

See the preceding error messages for more information.

### CSQJ498I: Log data set is not empty

#### Explanation

The input log data set is not an empty data set.

#### System action

Utility processing is terminated.

#### System programmer response

Check that the SYSUT1 DD statement and the data set name is specified correctly. Use Access Method Services to define the data set as a VSAM linear data set.

---

## Message manager messages (CSQM...)

### CSQM050I: *csect-name* Intra-group queuing agent starting, TCB=*tcb-name*

#### Explanation

The intra-group queuing (IGQ) agent was started during the initialization of a queue manager that is in a queue-sharing group. The agent uses TCB *tcb-name*.

The IGQ agent handles SYSTEM.QSG.TRANSMIT.QUEUE.

#### Severity

0

#### System action

Processing continues. The IGQ agent starts asynchronously.

### CSQM051I: *csect-name* Intra-group queuing agent stopping

#### Explanation

The intra-group queuing (IGQ) agent is stopping because:

- the queue manager is stopping
- it has retried a failing request repeatedly without success
- it was unable to recover from an abnormal ending

#### Severity

0

## System action

The IGQ agent stops.

## System programmer response

If the queue manager is not stopping, investigate the cause of the error as reported in the preceding messages. To restart the IGQ agent, issue an ALTER QMGR command specifying IGQ(ENABLED).

## **CSQM052I: *csect-name* Shared channel recovery completed for qmgr-name, n channels found, p FIXSHARED, r recovered**

### Explanation

The queue manager successfully recovered some shared channels that were owned by queue manager *qmgr-name* in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

*n* channels were found that needed recovery, of which *p* were originally started as FIXSHARED. The number recovered, *r*, may be less than *n* (or even 0) because other active queue managers are also recovering the channels and because FIXSHARED channels cannot be recovered by another queue manager.

See the WebSphere MQ Intercommunication manual for more information about shared channel recovery.

### Severity

0

### System action

Processing continues.

## **CSQM053E: *csect-name* Shared channel recovery terminated, DB2 not available**

### Explanation

Because DB2 is not available or no longer available, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

## Severity

8

## System action

The recovery process is terminated; some channels may have been recovered, while others have not.

## System programmer response

Use the preceding messages on the z/OS console to investigate why DB2 is not available, and resume the connection or restart DB2 if necessary. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

## **CSQM054E: *csect-name* Shared channel recovery terminated, error accessing DB2**

### Explanation

Because there was an error in accessing DB2, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

## Severity

8

## System action

The recovery process is terminated; some channels may have been recovered, while others have not.

## System programmer response

Resolve the error reported in the preceding messages. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

## **CSQM055E: *csect-name* Shared channel recovery terminated, error putting command, reason=*mqrc***

### Explanation

Because there was an error putting a message on the system-command input queue, the queue manager was unable to recover some shared channels that were owned by a queue manager in the queue-sharing group when it or its channel initiator terminated abnormally. This recovery process may occur when:

- another queue manager or its channel initiator terminates abnormally
- the channel initiator is started, for channels that were owned by other queue managers
- the channel initiator is started, for channels that were owned by itself

### Severity

8

### System action

The recovery process is terminated; some channels may have been recovered, while others have not.

### System programmer response

Refer to API completion and reason codes for information about *mqr*, and resolve the error. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually.

## **CSQM056E: *csect-name mqapi-call* failed for queue *q-name*, reason=*reason***

### Explanation

The indicated MQ API call for the named queue, failed for the specified reason, which may be an MQ reason code (MQRC\_) or a signal completion code (MQEC\_).

### Severity

8

### System action

If the queue is SYSTEM.ADMIN.CONFIG.EVENT or SYSTEM.ADMIN.COMMAND.EVENT, processing continues but events are not generated; message CSQM071E follows to show how many event messages have not been generated since the problem first occurred. These messages are generated on the first occurrence of the problem, and at intervals thereafter while the problem persists.

For other queues, it is the intra-group queuing (IGQ) agent that issued the call. Depending on the queue involved and the type of error, it may continue processing, retry the request at regular intervals until the error is corrected, or terminate.

### System programmer response

Refer to API completion and reason codes for information about MQ reason codes or the *WebSphere MQ Application Programming Reference* for information about signal completion codes. Correct the problem with the queue, or use the ALTER QMGR command to disable the events or the IGQ agent if the function is not required.



## **CSQM059E: *csect-name* Queue *q-name* has incorrect attributes**

### **Explanation**

The named queue, used by the intra-group queuing (IGQ) agent, has incorrect attributes. For example, SYSTEM.QSG.TRANSMIT.QUEUE must have attributes USAGE(XMITQ), INDXTYPE(CORRELID), QSGDISP(SHARED).

### **Severity**

8

### **System action**

The IGQ agent retries at regular intervals until the error is corrected.

### **System programmer response**

Redefine the queue with the correct attributes.

## **CSQM060E: *csect-name* Cluster cache is full**

### **Explanation**

No more space is available in the cluster cache area.

### **Severity**

8

### **System action**

The application call that resulted in the need for more space will fail with MQRC\_CLUSTER\_RESOURCE\_ERROR. Processing continues, and existing users of clustering will be unaffected unless their actions are such as to need more cluster cache space.

### **System programmer response**

The problem may be temporary. If it persists, the queue manager must be restarted; this will cause more space to be allocated for the cluster cache area.

Consider changing the cluster cache type system parameter CLCACHE to dynamic, so that more space for the cache will be obtained automatically as required. (If you are using a cluster workload exit, ensure that it supports a dynamic cluster cache.) See the CSQ6SYSP macro in the WebSphere MQ for z/OS System Setup Guide for information about the system parameters.

## **CSQM061E: *csect-name* Cluster workload exit *exit-name* does not support dynamic cache**

### **Explanation**

In response to the initialization call (using ExitReason MQXR\_INIT), the cluster workload exit returned the value MQCLCT\_STATIC in the ExitResponse2 field,

indicating that it does not support a dynamic cluster cache.

### Severity

8

### System action

The cluster workload exit is suppressed.

### System programmer response

Either change the cluster cache type system parameter CLCACHE to static, or rewrite the exit to be compatible with a dynamic cache. See the CSQ6SYSP macro in the WebSphere MQ for z/OS System Setup Guide for information about the system parameters.

## **CSQM063E: csect-name Specified dead-letter queue name is unacceptable**

### Explanation

The intra-group queuing (IGQ) agent has attempted to put a persistent message on the dead-letter queue that is defined to the queue manager. The dead-letter queue specified is either SYSTEM.QSG.TRANSMIT.QUEUE or there is no dead-letter queue name specified.

### Severity

4

### System action

The put of the message to the dead-letter queue does not take place, the get of the message from the SYSTEM.QSG.TRANSMIT.QUEUE is backed out and the intra-group queuing (IGQ) agent goes into retry.

### System programmer response

Ensure the queue manager has a dead-letter queue defined which is neither blank nor SYSTEM.QSG.TRANSMIT.QUEUE. Examine the message to determine the reason for its placement on the dead-letter queue.

## **CSQM064I: csect-name Intra-group queuing agent put messages to dead-letter queue**

### Explanation

The intra-group queuing (IGQ) agent was unable to deliver some messages to the required destination queue, so has put them on the dead-letter queue.

### Severity

4

### **System action**

Processing continues.

### **System programmer response**

Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

## **CSQM065E: *csect-name mqapi-call* failed for queue *q-name*, reason=*reason***

### **Explanation**

The indicated MQ API call failed for the specified reason, which is an MQ reason code (MQRC\_).

### **Severity**

8

### **System action**

It is the intra-group queuing (IGQ) agent that issued the call; it was unable to commit or backout a batch of messages for the specified reason. Depending on the type of error, it may retry the request at regular intervals until the error is corrected, or terminate.

### **System programmer response**

Refer to API completion and reason codes for information about MQ reason codes. Correct the problem if required.

## **CSQM067E: *csect-name* Intra-group queuing agent ended abnormally. Restarting**

### **Explanation**

The intra-group queuing (IGQ) agent has ended abnormally because a severe error occurred, as reported in the preceding messages.

### **Severity**

8

### **System action**

The IGQ agent attempts to restart a number of times. If it fails persistently, it terminates.

### **System programmer response**

Investigate the reason for the abnormal termination, as reported in the preceding messages.

## **CSQM070E: *csect-name* Queue *q-name* available again, *n* events not generated**

### **Explanation**

An earlier problem with putting messages on the configuration or command event queue has been corrected. *n* is the number of event messages that have not been generated since the problem first occurred.

### **Severity**

4

### **System action**

Processing continues and event messages for that queue will be generated again.

### **System programmer response**

If the queue is SYSTEM.ADMIN.CONFIG.EVENT, and complete configuration information is required, use the REFRESH QMGR TYPE(CONFIGEV) command to generate events to replace those that were not generated; specify the INCLINT parameter to cover the period when the problem was occurring.

If the queue is SYSTEM.ADMIN.COMMAND.EVENT, a limited number of the missed event messages may be recovered automatically, as reported by message CSQM072I.

## **CSQM071E: *csect-name* Queue *q-name* unavailable, *n* events not generated**

### **Explanation**

There was an error putting a message on the configuration or command event queue, as reported in the preceding CSQM056E message; *n* is the number of event messages that have not been generated since the problem first occurred.

### **Severity**

8

### **System action**

Processing continues but event messages for that queue are not generated. This message is issued on the first occurrence of the problem, and at intervals thereafter while the problem persists.

### **System programmer response**

Correct the problem with the event queue, or use the ALTER QMGR command to set the CONFIGEV or CMDEV attribute to DISABLED if events are not required.

## **CSQM072I: *csect-name* Queue *q-name*, *n* events recovered**

### **Explanation**

An earlier problem with putting messages on the command event queue has been corrected. *n* event messages that were not generated have been automatically recovered and generated.

Only a limited number of the missed event messages can be recovered in this way. If *n* is less than the value reported in message CSQM070E, the remaining event messages are lost, and there is no way to recover them.

### **Severity**

0

### **System action**

Processing continues.

## **CSQM073I: *csect-name* Loading of durable subscribers started**

### **Explanation**

Information about the durable subscribers on a queue manager is stored on the SYSTEM.DURABLE.SUBSCRIBER.QUEUE queue. During the restart of the queue manager the durable subscriptions are remade on the queue manager.

### **Severity**

0

### **System action**

Processing continues.

## **CSQM074I: *csect-name* Loading of durable subscribers finished**

### **Explanation**

The queue manager has finished reloading all of the durable subscribers.

### **Severity**

0

### **System action**

Processing continues.

## **CSQM075I: csect-name Consolidation of durable subscribers started**

### **Explanation**

Information about the durable subscribers on a queue manager is stored on the SYSTEM.DURABLE.SUBSCRIBER.QUEUE queue. To aid in restart processing and to speed up the time it takes to reload all of the durable subscribers, these messages are consolidated into fewer messages.

### **Severity**

0

### **System action**

Processing continues.

## **CSQM076I: csect-name Consolidation of durable subscribers finished**

### **Explanation**

The queue manager has finished consolidating the messages on the SYSTEM.DURABLE.SUBSCRIBER.QUEUE queue. The processing may be restarted at a later stage if there is a change in the number of durable subscribers.

### **Severity**

0

### **System action**

Processing continues

## **CSQM077I: csect-name Publish/Subscribe engine has shutdown**

### **Explanation**

The publish/subscribe engine has been shutdown.

### **Severity**

0

### **System action**

The publish/subscribe engine has shutdown.

### **System programmer response**

No action is required if the queue manager is stopping. If the publish/subscribe engine has shutdown because it has been disabled to update the PSMODE queue

manager attribute from the value DISABLED will restart it.

## **CSQM084I: *csect-name* COMMAND INHIBITED DURING RESTART/TERMINATION**

### **Explanation**

A command that will affect a recoverable object was requested either too early in queue manager startup, or too late in termination.

The usual reason for receiving this message is that some prohibited command was issued in the initialization input data set CSQINP1.

### **Severity**

8

### **System action**

Message CSQM085I is also issued and the command is ignored.

### **System programmer response**

Wait until the queue manager is in a state where it is possible to reissue the prohibited commands. If appropriate, remove the command from CSQINP1, and place it in CSQINP2, to ensure that this problem does not reoccur.

## **CSQM085I: *csect-name* ABNORMAL COMPLETION**

### **Explanation**

This message is issued with message CSQM084I, and indicates that the command requested has not been actioned.

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Wait until the queue manager is in a state where it is possible to use the prohibited commands.

## **CSQM086E: QUEUE MANAGER CREATE ERROR, CODE=*reason-code*, RESTART UNSUCCESSFUL**

### **Explanation**

During restart, the creation of the queue manager object has failed. The reason code is of the form '00D44xxx'.

## Severity

8

## System action

The queue manager fails to restart.

## System programmer response

Refer to “Message manager codes (X'D4)” on page 815 for an explanation of the reason code, and what action to take. Reissue the START QMGR command to restart the queue manager. If the error persists note this reason code, and contact your IBM support center.

## CSQM090E: *csect-name* FAILURE REASON CODE reason-code

### Explanation

A command has failed. The reason code is of the form '00D4xxx'. This message is accompanied by one or more other more specific messages, which indicate the reason for the failure.

### Severity

8

### System action

The command is ignored.

### System programmer response

See the explanations of the accompanying messages for more information. Refer to “Message manager codes (X'D4)” on page 815 for an explanation of the reason code, and what action to take. If the reason code is not one of those listed, make a note of it and contact your IBM support center.

## CSQM091E: *csect-name* FAILURE MQRC=*mqr*

### Explanation

A command has failed. The reason code is an MQ reason code. This message is accompanied by one or more other more specific messages, which indicate the reason for the failure.

### Severity

8

### System action

The command is ignored.



## System programmer response

See the explanations of the accompanying messages for more information. Refer to API completion and reason codes for an explanation of *mqr*, and what action to take.

## CSQM092I: *csect-name* keyword(value) VALUE INVALID OR OUT OF RANGE

### Explanation

Either:

- A keyword was entered that takes a bounded numeric value but the value specified is outside the bounds.
- A keyword was entered that takes a pair of numeric values defining a range, but only one value is specified or the values are not in ascending order.

### Severity

8

### System action

The command is ignored.

### System programmer response

Reissue the command with the parameter specified correctly. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## CSQM093I: *csect-name* keyword(value) NAME CONTAINS INVALID CHARACTERS

### Explanation

A name was specified that contains one or more invalid characters. See the WebSphere MQ Script (MQSC) Command Reference manual for information about validation required for the name in question to correct this.

### Severity

8

### System action

The command is ignored.

### System programmer response

Reissue the command with the correct name. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM094I: *csect-name* keyword(value) WAS NOT FOUND**

### **Explanation**

A command was issued that refers to an object that does not exist. That is, no object could be found with the specified name and type (and subtype, for queues and channels) and with any disposition in the queue-sharing group.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Check that you specified the correct name for the object, and the correct subtype (for queues and channels). If a queue-sharing group is in use, check that DB2 is available and not suspended. Define the object if necessary.

#### **Note:**

1. If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.
2. Remember that the object might have recently been deleted by someone else, or from another queue manager in the queue-sharing group.

## **CSQM095I: *csect-name* keyword(value) ALREADY EXISTS**

### **Explanation**

A DEFINE command was issued, but an object of that type with the specified name already exists, although it might not necessarily have the same subtype, or the same disposition in the queue-sharing group. (You cannot have a locally-defined object and a local copy of a group object with the same name; for local queues, you cannot have a shared queue with the same name as a queue with any other disposition.)

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with another name or with the REPLACE option, or use the existing object, as appropriate.

## **CSQM096I: *csect-name* keyword(value) NAME HAS INVALID LENGTH**

### **Explanation**

A name was specified that is of an incorrect length.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with a name of the correct length. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM097I: *csect-name* keyword(value) NAME CANNOT BE COMPLETELY BLANK**

### **Explanation**

A name was specified that is blank. This is not allowed.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with a non-blank name. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM098I: *csect-name* keyword(value) FIELD TOO LONG**

### **Explanation**

Either a numeric or character parameter was specified but it is too long, or (if *value* is blank) a list of character parameters was specified whose total length is too long.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with the correct field length. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM099I: *csect-name* keyword(value) NAME IN USE AS A DIFFERENT TYPE**

### **Explanation**

An object was specified as one particular subtype, but it already exists as another subtype, although it might not necessarily have the same disposition in the queue-sharing group. (You cannot have a locally-defined object and a local copy of a group object with the same name; for local queues, you cannot have a shared queue with the same name as a queue with any other disposition.)

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with the correct name and subtype. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM100I: *csect-name* keyword(value) VALUE INVALID OR OUT OF RANGE**

### **Explanation**

Either:

- A keyword was entered that takes a series of character values, but the value specified is not one of them.
- A keyword was entered that takes a series of character values, but the value specified is not valid for the particular subtype of object.
- A keyword was entered that takes a bounded numeric value, but the value specified is outside the bounds.
- A keyword was entered that takes a character or hexadecimal value, but the value specified is invalid for that keyword.

### **Severity**

8

## System action

The command is ignored.

## System programmer response

Reissue the command with the parameter specified correctly. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

# CSQM101I: *csect-name* keyword(value) IS CURRENTLY IN USE

## Explanation

The object specified is in use. This could be because:

- It is open through the API.
- A trigger message is presently being written to it.
- It is in the process of being deleted.
- When it is a storage class, there is a queue defined as using the storage class, and there are messages currently on the queue.
- When it is a CF structure, there is a queue defined as using the CF structure, and there are messages currently on the queue or the queue is open.
- When altering the index type of a queue, the necessary conditions regarding messages and uncommitted activity are not satisfied.
- When altering the default transmission queue, the old queue is currently being used as a transmission queue by default.
- Although the FORCE option was specified to overcome the object being open through the API, the object was created with a previous version of MQ.

## Severity

8

## System action

The command is ignored.

## System programmer response

Either:

- Wait until the object has been closed or deleted.

**Note:** MCAs for receiver channels, or the intra-group queuing (IGQ) agent, can keep the destination queues open for a while even when messages are not being transmitted, and so such queues might appear to be in use.

- Wait until all the queues that use a storage class are empty
- Wait until the queue is empty
- Wait until use of the queue as a default transmission queue has ended

It is not possible to use the FORCE option of the ALTER command to overcome the situations that cause this message.

For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM103I: *csect-name* keyword(value) QSGDISP(disposition) HAS MESSAGES ASSOCIATED WITH IT**

### **Explanation**

A local queue specified for deletion has messages associated with it, and the DELETE request did not include the PURGE option.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Either delete the local queue when it is empty, or reissue the request specifying the PURGE option. If the queue is a local copy of a group object, you must issue the request specifying PURGE explicitly for the local copy; specifying PURGE on the request to delete the group object has no effect.

## **CSQM104I: *csect-name* keyword(value) FLAGGED FOR DEFERRED DELETION**

### **Explanation**

A local dynamic queue specified on a DEFINE, ALTER, or DELETE request has been flagged for deferred deletion because it was found to be in use at the time of deletion.

### **Severity**

8

### **System action**

The queue is no longer available to new users, and will be deleted when all existing users of it have relinquished access.

## **CSQM105I: *csect-name* 'keyword' VALUE IS SAME AS QALIAS NAME**

### **Explanation**

An attempt was made to DEFINE or ALTER an alias queue so that the queue itself was named on the TARGQ keyword. Unless the queue is a cluster queue, this is not allowed because an alias queue can only resolve to a local or remote queue.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Reissue the command with a different name for the TARGQ keyword.

**CSQM106I: *csect-name* DEFXMITQ(q-name) IS NOT ALLOWED****Explanation**

The specified queue is not allowed to be used as the default transmission queue because it is reserved for use exclusively by clustering.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Reissue the command with a different DEFXMITQ name.

**CSQM107I: *csect-name* STGCLASS ACTIVE OR QUEUE IN USE****Explanation**

A request to ALTER or DEFINE REPLACE a local queue involving a change to the STGCLASS field is not allowed because there are messages on the queue, or other threads have the queue open.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

If there are messages on the queue, you must remove them before changing the storage class.

**Note:** If you remove all the messages from the queue, there might be a short delay before the command can be processed successfully.

If other threads have the queue open, wait until they have closed the queue before reissuing the command.

## **CSQM108I: *csect-name* keyword(value) NOT ALLOWED, INCOMPATIBLE NAME AND TYPE**

### **Explanation**

An attempt was made to issue a DEFINE command on a reserved object name, using an incorrect object type or subtype. The object is only allowed to be of the predetermined type listed below:

Type	Object
Any Queue	SYSTEM.ADMIN.ACTIVITY.QUEUE SYSTEM.ADMIN.CHANNEL.EVENT SYSTEM.ADMIN.COMMAND.EVENT SYSTEM.ADMIN.CONFIG.EVENT SYSTEM.ADMIN.PERFM.EVENT SYSTEM.ADMIN.QMGR.EVENT SYSTEM.ADMIN.TRACE.ROUTE.QUEUE
Alias queue	SYSTEM.DEFAULT.ALIAS.QUEUE
Alias or local queue	SYSTEM.ADMIN.COMMAND.QUEUE SYSTEM.COMMAND.INPUT
Local queue	SYSTEM.CHANNEL.INITQ SYSTEM.CHANNEL.SYNCQ SYSTEM.CLUSTER.COMMAND.QUEUE SYSTEM.CLUSTER.REPOSITORY.QUEUE SYSTEM.CLUSTER.TRANSMIT.QUEUE SYSTEM.DEFAULT.LOCAL.QUEUE SYSTEM.QSG.CHANNEL.SYNCQ SYSTEM.QSG.TRANSMIT.QUEUE
Model queue	SYSTEM.COMMAND.REPLY.MODEL SYSTEM.DEFAULT.MODEL.QUEUE SYSTEM.MQEXPLORER.REPLY.MODEL
Remote queue	SYSTEM.DEFAULT.REMOTE.QUEUE
Cluster-sender channel	SYSTEM.DEF.CLUSSDR
Cluster-receiver channel	SYSTEM.DEF.CLUSRCVR
Sender channel	SYSTEM.DEF.SENDER
Server channel	SYSTEM.DEF.SERVER
Receiver channel	SYSTEM.DEF.RECEIVER
Requester channel	SYSTEM.DEF.REQUESTER
Client-connection channel	SYSTEM.DEF.CLNTCONN
Server-connection channel	SYSTEM.ADMIN.SVRCONN SYSTEM.DEF.SVRCONN
Authentication information	SYSTEM.DEFAULT.AUTHINFO.CRLLDAP
Namelist	SYSTEM.DEFAULT.NAMELIST
Process	SYSTEM.DEFAULT.PROCESS
Storage class	SYSTEMST

### **Severity**

8



### **System action**

The command is ignored.

### **System programmer response**

Ensure that reserved objects are defined with the correct object type or subtype.

## **CSQM109E: *csect-name* DYNAMIC QUEUE value NOT DELETED, REASON=*mqrc***

### **Explanation**

A dynamic queue could not be deleted during normal close processing, thread termination, or the end of queue manager restart, because an error occurred whilst attempting to delete it. *mqrc* gives the reason code for the error.

### **Severity**

8

### **System action**

The named dynamic queue is not deleted.

### **System programmer response**

Refer to API completion and reason codes for information about the reason code to determine why the queue could not be deleted, and take the appropriate action as necessary. The most likely reason codes are:

- MQRC\_OBJECT\_IN\_USE
- MQRC\_PAGESET\_ERROR
- MQRC\_Q\_NOT\_EMPTY

## **CSQM110I: *csect-name* keyword(value) QSGDISP(disposition) HAS INCOMPLETE UNITS OF RECOVERY**

### **Explanation**

A command was issued that refers to a local queue that has incomplete units of recovery outstanding for it.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Wait until all units of recovery for this queue are complete before attempting to issue the command again.

## **CSQM111E: *csect-name* COULD NOT PUT TO THE DEAD QUEUE, REASON=*mqr*c**

### **Explanation**

An attempt to put a message to the dead letter queue was unsuccessful. *mqr*c gives the reason code for the error.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Refer to API completion and reason codes for information about *mqr*c to determine the cause of the problem.

## **CSQM112E: *csect-name* ERROR ACCESSING keyword(value)**

### **Explanation**

While processing a command for an object, object information could not be accessed. This may be because of an error on page set zero, or in the coupling facility information, or because a coupling facility structure has failed, or because DB2 is not available or is suspended. This message is issued with message CSQM090E or CSQM091E, which include a reason code that gives more information about the error.

### **Severity**

4

### **System action**

The command is ignored.

### **System programmer response**

Check for error messages on the console log that might relate to the problem. Verify that page set zero is set up correctly; refer to the *WebSphere MQ for z/OS System Administration Guide* for information about this. If a queue-sharing group is in use, check whether the coupling facility structure has failed and check that DB2 is available and not suspended. If the accompanying message is CSQM091E, refer to API completion and reason codes for an explanation of the *mqr*c in that message, and what action to take.

## **CSQM113E: *csect-name* NO SPACE FOR keyword(value) QSGDISP(disposition)**

### **Explanation**

A command failed because page set zero is full, or because the application structure is full, or because no more application structures are available in the coupling facility (the limit is 63).

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Do one of the following, depending on the cause of the error:

- Increase the size of page set zero or the application structure. Refer to the WebSphere MQ for z/OS System Administration Guide for information about how to do this.
- Reduce the number of application structures you are using.

## **CSQM114E: *csect-name* keyword(value) EXCEEDED LOCAL QUEUE LIMIT**

### **Explanation**

A command failed because no more local queues could be defined. There is an implementation limit of 524 287 for the total number of local queues that can exist. For shared queues, there is a limit of 512 queues in a single coupling facility structure.

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Delete any existing queues that are no longer required.

## **CSQM115I: *csect-name* keyword(value) IS CURRENTLY IN USE, ALTER WITH FORCE NEEDED**

### **Explanation**

The object specified is in use. This could be because:

- It is open through the API.
- When altering the USAGE attribute of a local queue, there are messages currently on the queue.
- When altering the default transmission queue, the old queue is currently being used as a transmission queue by default.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Either:

- Wait until the object has been closed or deleted.

**Note:** MCAs for receiver channels, or the intra-group queuing (IGQ) agent, can keep the destination queues open for a while even when messages are not being transmitted, and so such queues might appear to be in use.

- Wait until the queue is emptied.
- Wait until use of the queue as a default transmission queue has ended.
- Use the ALTER command with the FORCE option.

**Note:** Any subsequent API calls referencing the object will fail with a reason code of MQRC\_OBJECT\_CHANGED.

For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM117E: *csect-name* ERROR ACCESSING keyword(value) QSGDISP(disposition)**

### **Explanation**

While processing a command for an object, object information could not be accessed. This may be because of an error on page set zero, or in the coupling facility information, or because a coupling facility structure has failed, or because DB2 is not available or is suspended. This message is issued with message CSQM090E or CSQM091E, which include a reason code that gives more information about the error.

### **Severity**

4

## System action

The command is ignored.

## System programmer response

Check for error messages on the console log that might relate to the problem. If *disposition* is QMGR, COPY, or PRIVATE, verify that page set zero is set up correctly; refer to the *WebSphere MQ for z/OS System Administration Guide* for information about this. If *disposition* is GROUP or SHARED, check whether the coupling facility structure has failed and check that DB2 is available and is not suspended. If the accompanying message is CSQM091E, refer to API completion and reason codes for an explanation of the *mqrc* in that message, and what action to take.

## CSQM118I: *csect-name* keyword(value) QSGDISP(disposition) LEVEL IS INCOMPATIBLE

### Explanation

The definition level of the specified object is incompatible with that of the queue manager or other members of the queue-sharing group.

### System action

Processing of the command is terminated.

### System programmer response

See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

## CSQM119I: *csect-name* keyword(value) LEVEL IS INCOMPATIBLE

### Explanation

The definition level of the specified object is incompatible with that of the queue manager or other members of the queue-sharing group.

### System action

Processing of the command is terminated.

### System programmer response

See the *WebSphere MQ for z/OS Concepts and Planning Guide* and the *WebSphere MQ for z/OS System Setup Guide* for information about migration and compatibility between releases.

## **CSQM120I: *csect-name* keyword(value) NOT ALLOWED FOR SHARED QUEUE**

### **Explanation**

The specified value for the object name or attribute is not allowed for a local queue whose disposition is shared or a model queue used to create a dynamic queue that is shared.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command correctly.

## **CSQM121I: *csect-name* keyword(value) NOT ALLOWED, NOT IN QUEUE-SHARING GROUP**

### **Explanation**

The specified value for the attribute requires a queue-sharing group, but the queue manager is not in a group.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command correctly.

## **CSQM122I: *csect-name* 'verb-name object' COMPLETED FOR QSGDISP(disposition)**

### **Explanation**

Processing for the specified command that refers to an object with the indicated disposition has completed successfully.

### **Severity**

0

### **System action**

A command is generated specifying CMDSCOPE(\*) to perform further processing on all queue managers in the queue-sharing group. For example, if *disposition* is GROUP, the corresponding processing must be performed for local copies of the group object.

## **CSQM123I: *csect-name* 'keyword' VALUE CANNOT BE CHANGED**

### **Explanation**

The value for the specified attribute cannot be changed.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

To change the attribute, the object must be deleted and then redefined with the new value.

## **CSQM124I: *csect-name* keyword(value) ALLOWED ONLY WITH QSGDISP(disposition)**

### **Explanation**

The specified value for the attribute is allowed only for an object that has the indicated disposition.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command correctly.

## **CSQM125I: *csect-name* keyword(value) QSGDISP(disposition) WAS NOT FOUND**

### **Explanation**

A command was issued that refers to an object that does not exist. That is, no object could be found with the specified name and type (and subtype, for queues

and channels) and disposition in the queue-sharing group.

### Severity

8

### System action

The command is ignored.

### System programmer response

Check that you specified the correct name for the object, and the correct subtype (for queues and channels) or channel definition table (for deleting channels). If *disposition* is GROUP or SHARED, check that DB2 is available and is not suspended. Define the object if necessary.

#### Note:

1. An object of the same name and type, but of a different disposition, might already exist.
2. If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.
3. Remember that the object might have recently been deleted by someone else, or from another queue manager in the queue-sharing group.

## CSQM126I: *csect-name* 'keyword' ONLY APPLICABLE TO LU62 PROTOCOL

### Explanation

The named keyword can only be specified when TRPTYPE(LU62) is specified.

### Severity

8

### System action

Processing of the command is terminated.

### System programmer response

Reissue the command without the named keyword.

## CSQM127I: *csect-name* keyword(value) IS EMPTY OR WRONG TYPE

### Explanation

A namelist used to specify a list of clusters has no names in it or does not have type CLUSTER or NONE.



**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command specifying a namelist that is not empty and has type CLUSTER or NONE.

**CSQM128E: *csect-name* MQPUT FAILED FOR QUEUE *q-name*, REASON=*mqr*****Explanation**

During the processing of a command, an attempt to put a message to the named queue failed for the specified reason.

**Severity**

8

**System action**

In general, the command is not actioned. If the command was REFRESH QMGR for configuration events, it may be partially completed as indicated by the preceding CSQM169I messages.

**System programmer response**

Refer to API completion and reason codes for information about *mqr*. If *mqr* is 2003, the message could not be committed.

**CSQM129I: *csect-name* keyword(value) HAS WRONG CHANNEL TYPE****Explanation**

The command (or the command with the particular disposition) cannot be used with the named channel because it cannot be used for channels of that type.

**Severity**

8

**System action**

The command is not actioned.

## System programmer response

Check that the correct channel name and disposition was specified on the command. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## CSQM130I: *csect-name* CLUSTER REQUEST QUEUED

### Explanation

Initial processing for a command completed successfully. The command requires further action by the cluster repository manager, for which a request was queued.

This message is followed by message CSQ9022I to indicate that the command has completed successfully, in that a request has been sent. It does **not** indicate that the cluster request has completed successfully. Such requests are processed asynchronously by the cluster repository manager; any errors are reported to the z/OS console, not to the command issuer.

### Severity

0

### System action

A request was queued for the cluster repository manager, which will process it asynchronously.

## CSQM131I: *csect-name* CHANNEL INITIATOR NOT ACTIVE, CLUSTER AND CHANNEL COMMANDS INHIBITED

### Explanation

A command was issued that required the channel initiator to be started.

### Severity

8

### System action

The command is not actioned.

### System programmer response

Issue the START CHINIT command to start the channel initiator, and reissue the command.

## **CSQM132I: *csect-name* CHANNEL INITIATOR ALREADY ACTIVE**

### **Explanation**

The START CHINIT command was issued but the channel initiator is already active.

### **Severity**

8

### **System action**

The command is not actioned.

## **CSQM133I: *csect-name* UNABLE TO START CHANNEL INITIATOR**

### **Explanation**

A START CHINIT command was issued but the channel initiator could not be started.

This could be for one of the following reasons:

- The system did not allow the channel initiator address space to be created at this time due to a heavy system workload
- There was not enough storage to start the channel initiator address space
- The system tried to obtain more address spaces than the maximum number supported
- The queue manager was quiescing or shutting down.

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Reissue the command when the system workload is reduced and when the queue manager is not shutting down.

## **CSQM134I: *csect-name* command keyword(value) COMMAND ACCEPTED**

### **Explanation**

Initial processing for a command has completed successfully. The command requires further action by the channel initiator, for which a request has been

queued. Messages reporting the success or otherwise of the action will be sent to the command issuer subsequently.

### Severity

0

### System action

A request was queued for the channel initiator. Further messages will be produced when the command has been completed.

## **CSQM135I: *csect-name* NO CHANNEL INITIATOR AVAILABLE**

### Explanation

A command was issued for a shared channel, but there was no suitable channel initiator available for any active queue manager in the queue-sharing group. This could be because:

- no channel initiators are running
- the channel initiators that are running are too busy to allow any channel, or a channel of the particular type, to be started

### Severity

8

### System action

The command is not actioned.

### System programmer response

Start a new channel initiator (on an active queue manager where there is no channel initiator running), or try again when there are fewer channels running.

## **CSQM136E: COMMAND NOT ALLOWED, COMMAND SERVER UNAVAILABLE**

### Explanation

A command for the channel initiator was entered, but the command server is not running and not enabled so the command cannot be processed.

### System action

The command is not actioned.

### System programmer response

Use the START CMDSERV command to start the command server, and reissue the command.

## **CSQM137I: *csect-name* command keyword COMMAND ACCEPTED**

### **Explanation**

Initial processing for a command has completed successfully. The command requires further action by the channel initiator, for which a request has been queued. Messages reporting the success or otherwise of the action will be sent to the command issuer subsequently.

### **Severity**

0

### **System action**

A request was queued for the channel initiator. Further messages will be produced when the command has been completed.

## **CSQM138I: *csect-name* CHANNEL INITIATOR STARTING**

### **Explanation**

A START CHINIT command was issued and the channel initiator address space has been started successfully.

### **Severity**

0

### **System action**

Further messages will be produced when the channel initiator itself has started.

## **CSQM139I: *csect-name* INDXTYPE(MSGTOKEN) NOT ALLOWED FOR TEMPORARY DYNAMIC QUEUE**

### **Explanation**

An attempt was made to define or alter a temporary-dynamic queue from which messages could be retrieved using message tokens. This combination is not allowed.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with correct values.

## **CSQM140I: *csect-name* 'keyword' NOT ALLOWED WITH TRPTYPE(value)**

### **Explanation**

The named keyword cannot be used on a START LISTENER command for the transport type shown.

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Reissue the command with the correct keywords.

## **CSQM141I: *csect-name* 'LUNAME' REQUIRED WITH TRPTYPE(LU62)**

### **Explanation**

A START LISTENER command was issued specifying TRPTYPE(LU62) but without the LUNAME keyword. The LUNAME keyword is required with TRPTYPE(LU62).

### **Severity**

8

### **System action**

The command is not actioned.

### **System programmer response**

Reissue the command with the correct keywords.

## **CSQM142I: *csect-name* CLUSTER(cluster-name) REPOSITORY IS NOT ON THIS QUEUE MANAGER**

### **Explanation**

A RESET CLUSTER command was issued, but the queue manager does not provide a full repository management service for the specified cluster. That is, the REPOS attribute of the queue manager is not *cluster-name*, or the namelist specified by the REPOSNL attribute of the queue manager does not contain *cluster-name* or is not of type CLUSTER or NONE.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with the correct values or on the correct queue manager.

## **CSQM144I: *csect-name* keyword(value) CANNOT BE A CLUSTER QUEUE**

### **Explanation**

An attempt was made to define or alter a queue to make it part of a cluster. This is not allowed if the queue is dynamic or is one of the following reserved queues:

- SYSTEM.CHANNEL.INITQ
- SYSTEM.CHANNEL.SYNCQ
- SYSTEM.CLUSTER.COMMAND.QUEUE
- SYSTEM.CLUSTER.REPOSITORY.QUEUE
- SYSTEM.COMMAND.INPUT
- SYSTEM.QSG.CHANNEL.SYNCQ
- SYSTEM.QSG.TRANSMIT.QUEUE

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with the correct values.

## **CSQM145I: *csect-name* 'keyword' VALUE REQUIRED FOR SHARED QUEUE**

### **Explanation**

A non-blank value must be specified for the named keyword for a local queue whose disposition is shared or a model queue used to create a dynamic queue that is shared.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with a value for the keyword added.

## **CSQM146I: *csect-name* keyword(value) VALUE IS REPEATED**

### **Explanation**

A keyword was entered that takes a list of values, and the named value appears more than once in the list.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command with the parameter specified correctly. For more information about the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM147I: *csect-name* 'keyword1' AND 'keyword2' VALUES MUST BOTH BE BLANK OR NON-BLANK**

### **Explanation**

An attempt was made to define or alter an object so that it had a blank value for one of the specified keywords and a non-blank value for the other. Both of those values must either be blank or non-blank.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with correct values.

## **CSQM148I: *csect-name* 'keyword' NOT ALLOWED WITH TYPE 'value'**

### **Explanation**

The named keyword cannot be specified for queues or channels of the type shown.



**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command without the named keyword.

**CSQM149I: *csect-name* 'keyword' REQUIRED WITH TYPE 'value'****Explanation**

The named keyword was not specified but is required for queues or channels of the type shown.

**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command with the named keyword added.

**CSQM150I: *csect-name* 'keyword1' AND 'keyword2' VALUES ARE INCOMPATIBLE****Explanation**

An attempt was made to define or alter an object so that it had incompatible values for the specified keywords.

**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command with correct values. For information about the restrictions on the values for the keywords, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM151I: *csect-name* 'keyword1' AND 'keyword2' VALUES CANNOT BOTH BE NON-BLANK**

### **Explanation**

An attempt was made to define or alter an object so that it had non-blank values for both of the specified keywords. At most one of those values can be non-blank.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with correct values.

## **CSQM152I: *csect-name* USAGE(XMITQ) NOT ALLOWED FOR CLUSTER QUEUE**

### **Explanation**

An attempt was made to define or alter a queue so that it was both a transmission queue and in a cluster. This is not allowed.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with correct values.

## **CSQM153E: *csect-name* DB2 NOT AVAILABLE**

### **Explanation**

Because DB2 is not available or no longer available, the queue manager cannot handle the command for a CF structure or shared channel.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Use the preceding messages on the z/OS console to investigate why DB2 is not available, and resume the connection or restart DB2 if necessary.

## **CSQM154E: *csect-name* ERROR ACCESSING DB2**

### **Explanation**

Because there was an error in accessing DB2, the queue manager cannot handle the command for a CF structure or shared channel.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Resolve the error reported in the preceding messages.

## **CSQM155I: *csect-name* STATUS(STOPPED) NOT ALLOWED WITH QMNAME OR CONNAME**

### **Explanation**

An attempt was made to stop a channel using STATUS(STOPPED), but a queue manager name or connection name was also specified. This is not allowed.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command with correct values.

## **CSQM156I: *csect-name* INDXTYPE(GROUPID) NOT ALLOWED FOR keyword(value)**

### **Explanation**

An attempt was made to define or alter a queue with a reserved name so that it had an index type of GROUPID. This is not allowed.

**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command with correct values.

**CSQM157E: *csect-name* NO SPACE FOR keyword(value)****Explanation**

An MQ DEFINE CFSTRUCT command failed because no more application structures are available in the coupling facility (the limit is 63).

**Severity**

8

**System action**

The command is not actioned.

**System programmer response**

Reduce the number of application structures you are using.

**CSQM158I: *csect-name* RECOVER(YES) NOT ALLOWED WITH CFLEVEL(value)****Explanation**

An attempt was made to define or alter a CF structure to support recovery, but the level of the CF structure was less than 3. This is not allowed.

**Severity**

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command with correct values. You cannot alter the level of a CF structure; you must delete the structure and then redefine it.

## **CSQM159I: *csect-name* verb-name object(obj-name) NOT ALLOWED, INCOMPATIBLE QUEUE MANAGER CMDLEVELS**

### **Explanation**

An attempt was made to alter the CF level of a CF structure, or to delete the structure. This action requires that all queue managers in the queue-sharing group must have a command level of at least 530. Some of the queue managers have a lower level.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Ensure all the queue managers in the queue-sharing group have the appropriate command level. For information about restrictions on the command, see the WebSphere MQ Script (MQSC) Command Reference manual.

## **CSQM160I: *csect-name* keyword(value) IS NOT UNIQUE**

### **Explanation**

A command was issued that refers to an object that exists with more than one disposition in the queue-sharing group, so the object to be used cannot be determined.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

Delete one of the objects.

## **CSQM161I: *csect-name* QUEUE ATTRIBUTES ARE INCOMPATIBLE**

### **Explanation**

A MOVE QLOCAL command was issued, but the queues involved have different values for one or more of these attributes: DEFTYPE, HARDENBO, INDXTYPE, USAGE. Messages cannot be moved safely if these attributes differ.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

Check that the queue names have been entered correctly. Change the queue attributes as necessary.

## **CSQM162I: *csect-name* keyword(value) MAXDEPTH IS TOO SMALL**

### **Explanation**

A MOVE QLOCAL command was issued, but the MAXDEPTH attribute value for the target queue is too small to allow all the messages to be moved.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

Change the MAXDEPTH value for the queue.

## **CSQM163I: *csect-name* ERROR USING keyword(value), REASON=*mqrc***

### **Explanation**

During the processing of a MOVE QLOCAL command, an attempt to open the named queue or to get or put a message for it failed for the specified reason. For example, a put to the target queue will fail if a message is too long.

### **Severity**

8

### **System action**

The command stops processing. If some messages have already been moved and committed, they will remain on the target queue; the rest of the messages will not be moved.

### **System programmer response**

Refer to API completion and reason codes for information about *mqr*, and take the appropriate action to resolve the problem.

## **CSQM164I: *csect-name* keyword(value) HAS MESSAGES ASSOCIATED WITH IT**

### **Explanation**

A MOVE QLOCAL command was issued specifying TYPE(MOVE), the target queue already has messages associated with it.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

Check that the queue name was entered correctly. Determine if it is safe to add messages to the queue, then reissue the command using the TYPE(ADD) option.

## **CSQM165I: *csect-name* n MESSAGES MOVED**

### **Explanation**

A MOVE QLOCAL command was issued, and moved the indicated number of messages.

If the command completed successfully and moved all the messages on the queue, this confirms the number moved. If an error occurred while moving the messages, this shows how many messages were successfully moved to the target queue and committed.

### **Severity**

0

### **System action**

Processing continues.

### **System programmer response**

If the command did not complete successfully, as shown by the following CSQ9023E message, investigate the problem reported in the preceding messages.

## **CSQM166I: *csect-name* keyword(value) NOT AUTHORIZED**

### **Explanation**

You do not have proper authorization to use the command for the specified object.

### **Severity**

8

### **System action**

The command is not executed for that object.

### **System programmer response**

Check that the object name was entered correctly. If required, arrange for someone who is authorized to use the object to issue the command for you, or get the necessary authority granted to you.

## **CSQM167I: *csect-name* PERFORMANCE EVENTS DISABLED**

### **Explanation**

A command was issued that required performance events to be enabled.

### **Severity**

8

### **System action**

The command is not executed.

### **System programmer response**

Use the ALTER QMGR command to set the PERFMEV attribute to ENABLED if performance events are required.

## **CSQM168I: *csect-name* CONFIGURATION EVENTS DISABLED**

### **Explanation**

A command was issued that required configuration events to be enabled.

### **Severity**

8

### **System action**

The command is not executed.



## System programmer response

Use the ALTER QMGR command to set the CONFIGEV attribute to ENABLED if configuration events are required.

## CSQM169I: *csect-name* object-type OBJECTS: *m* FOUND, *n* EVENTS GENERATED

### Explanation

A REFRESH QMGR command was issued for configuration events. *m* objects of the indicated type were found that matched the specified selection criteria (such as name or time of alteration), and *n* event messages were generated. The number of event messages may be less than the number of objects found because certain objects may be excluded, such as temporary dynamic queues or objects in the process of being deleted. It may also be less than the number of objects found if there was a problem with the event queue.

### Severity

0

### System action

Processing continues.

## System programmer response

If *n* is less than *m*, but message CSQ9022I follows these messages to indicate that the command completed successfully, no action is needed. Otherwise, investigate the problem with the event queue as reported in the preceding messages.

## CSQM170I: *csect-name* REFRESHING CONFIGURATION EVENTS SINCE *date time*

### Explanation

A REFRESH QMGR command was issued for configuration events specifying a refresh interval with the INCLINT keyword. Event messages will be generated for all objects with an alteration date and time later than *date time* (provided they match any other specified selection criteria, such as name or type). However, event messages will not be generated for objects deleted after that time.

### Severity

0

## **CSQM171I: *csect-name* CONFIGURATION EVENTS REFRESH NEEDED**

### **Explanation**

An ALTER QMGR command was issued that enables configuration events. Event messages need to be generated to ensure that the configuration information is complete and up-to-date.

### **Severity**

0

### **System action**

Processing continues.

### **System programmer response**

If complete configuration information is required, do one of the following, as appropriate:

- If this is the first time that configuration events have been enabled, use the REFRESH QMGR TYPE(CONFIGEV) command to generate configuration events for **all** objects. If you have many objects, it may be preferable to use several such commands each with a different selection of objects, but such that all are included.
- Otherwise, use the REFRESH QMGR TYPE(CONFIGEV) command to generate events to replace those that were not generated while configuration events were disabled; specify the INCLINT parameter to cover this period.

## **CSQM172I: *csect-name* 'keyword' NOT ALLOWED WITH TYPE(value)**

### **Explanation**

The named keyword cannot be specified with the TYPE value shown.

### **Severity**

8

### **System action**

Processing of the command is terminated.

### **System programmer response**

Reissue the command without the named keyword.

## **CSQM173I: *csect-name* EXPIRED MESSAGE SCAN REQUESTED FOR *m* QUEUES**

### **Explanation**

A REFRESH QMGR command was issued for expired message scanning. *m* queues were found that matched the specified selection criteria.

### **Severity**

0

### **System action**

Processing continues.

## **CSQM181I: *csect-name* INSUFFICIENT STORAGE TO COMPLETE COMMAND**

### **Explanation**

There was insufficient storage available to complete processing for the command.

### **Severity**

8

### **System action**

The command terminates. Any processing already completed may be retained or backed out.

### **System programmer response**

Refer to the accompanying messages to determine what processing has been done. Retry the command, if appropriate, when your queue manager is less busy. If the problem persists, you might need to increase the region size used by your queue manager, or you might need to reduce the number of jobs running in your system.

## **CSQM182E: *csect-name* DURABLE SUBSCRIPTIONS NOT ALLOWED**

### **Explanation**

A DEFINE SUB command was issued, but it was not possible to make a durable subscription.

This could be for one of the following reasons,

- The topic subscribed to is defined as DURSUB(NO)
- The queue named SYSTEM.DURABLE.SUBSCRIBER.QUEUE is not available
- On z/OS, a shared queue was used as the destination for publications sent to this subscription and the queue named SYSTEM.DURABLE.SHARED.SUBSCRIBER.QUEUE is not available.

- The CSQINP2 datasets are in the wrong order, the order is:

```

XXCSQINP2 DD DSN=MQB1.V000.COM.OUT.SCSQPROC(CSQ4INYS),DISP=SHR
XX        DD DSN=MQB1.V000.COM.OUT.SCSQPROC(CSQ4INSX),DISP=SHR
XX        DD DSN=MQB1.V000.COM.OUT.SCSQPROC(CSQ4INSG),DISP=SHR

```

### Severity

8

### System action

The command is not executed.

### System programmer response

Durable subscriptions are stored on the SYSTEM.DURABLE.SUBSCRIBER.QUEUE. Ensure that this queue is available for use. Possible reasons for failure include the queue being full, the queue being put inhibited, or the queue not existing.

If the topic subscribed to is defined as DURSUB(NO) then it is not possible to administratively define a subscription. The topic can be altered to DURSUB(YES) to enable the subscription to be defined.

## CSQM183E: csect-name SUBSCRIPTION INHIBITED

### Explanation

A DEFINE SUB command was issued, but it was not possible to make a subscription because the topic subscribed to is defined as SUB(DISABLED).

### Severity

8

### System action

The command is not executed.

### System programmer response

If the topic subscribed to is defined as SUB(DISABLED) then it is not possible to administratively define a subscription. The topic can be altered to SUB(ENABLED) to enable the subscription to be defined.

## CSQM184I: csect-name 'keyword1' AND 'keyword2' VALUES CANNOT BOTH BE BLANK

### Explanation

An attempt was made to define or alter an object so that it had blank values for both of the specified keywords. One of those values must be provided.

### Severity

8

**System action**

Processing of the command is terminated.

**System programmer response**

Reissue the command with correct values.

**CSQM185E: csect-name SUBSCRIPTION HAS FIXED SUBUSER****Explanation**

An ALTER SUB command was issued, but it was not possible to ALTER the target subscription because the userid performing the ALTER did not match the SUBUSER attribute of the subscription and the subscription has had the VARUSER(FIXED) attribute set.

**Severity**

8

**System action**

The command is not executed.

**System programmer response**

The subscription can only be altered by the owning userid displayed in the SUBUSER attribute.

**CSQM186E: csect-name DESTCLAS VALUE CANNOT BE ALTERED****Explanation**

An ALTER SUB command was issued, but it was not possible to ALTER the target subscription because the DESTCLAS attribute specified on the request did not match the one in the existing subscription. DESTCLAS cannot be altered.

**Severity**

8

**System action**

The command is not executed.

**System programmer response**

Ensure that the DESTCLAS attribute matches the existing subscription and rerun the request.

## CSQM201I: *csect-name* *verb-name* *obj-type* DETAILS

### Explanation

This message is the response to a command that displays attributes or other information about objects, when that command was entered from either the console, or the command server initialization server. It shows the attributes requested for *obj-type*, as follows:

```
obj-type (name)  
attribute-value  
attribute-value  
:  
:  
END obj-type DETAILS
```

*csect-name* might include the command prefix (CPF), depending on how the command was entered.

Exceptionally, the last line might be:

```
obj-type TERMINATED WITH MAX LINES
```

if the number of lines allowed in a multiple line WTO to be issued on the console (255) was exceeded. This figure includes the first and last lines of the display. The only object that might cause this message is namelist because displaying a complete namelist would require 263 lines in total. (This only occurs when the command was issued from the console.)

### Severity

0

## CSQM292I: *csect-name* Publish/Subscribe engine is disabled

### Explanation

The publish/subscribe engine is unavailable because it has been disabled.

### Severity

0

### System action

The command is executed, but no results are returned because the publish/subscribe engine has been disabled.

### System programmer response

This message occurs because the user is attempting to query the publish/subscribe engine but it has been disabled. To use the publish/subscribe engine, set the PSMODE queue manager attribute to a value other than disabled.

## **CSQM293I: *csect-name* m *obj-type* FOUND MATCHING REQUEST CRITERIA**

### **Explanation**

A command that displays attributes or other information about objects has been issued. *m* objects were found that matched the specified selection criteria.

### **System action**

For each object found, a message follows giving its details.

### **Severity**

0

## **CSQM294I: *csect-name* CANNOT GET INFORMATION FROM DB2**

### **Explanation**

While processing a command that displays attributes or other information about objects with a disposition of GROUP or SHARED, information could not be obtained from DB2. This may be because DB2 is not available or no longer available, or because it is suspended, or because there was an error in accessing DB2, or because a DB2 table was temporarily locked.

### **Severity**

8

### **System action**

Information about objects with a disposition of GROUP or SHARED is not displayed, so the information displayed may therefore be incomplete.

### **System programmer response**

Refer to the console log for messages giving more information about the error.

## **CSQM295I: *csect-name* UNEXPECTED ERROR DURING DISPLAY**

### **Explanation**

A severe error occurred while processing a command that displays attributes or other information about objects.

### **Severity**

8

### **System action**

The command is terminated.

### **System programmer response**

Refer to the console log for messages giving more information about the error.

## **CSQM297I: *csect-name* NO *item* FOUND MATCHING REQUEST CRITERIA**

### **Explanation**

A command that displays attributes or other information about objects or run-time status found that there are no items that match the specified name and satisfy any other criteria requested (such as subtype or disposition in a queue-sharing group).

### **Severity**

0

### **System Programmer Response**

If finding no matching items is unexpected, ensure the correct values are used for subtypes, disposition and if a generic name is used, ensure the correct mechanism is used for specifying a generic name. Note that the DISPLAY TPSTATUS command requires a '#' character not a '\*' for its most generic query.

## **CSQM298I: *csect-name* TOTAL MESSAGE LENGTH ALLOWED ON CONSOLE EXCEEDED**

### **Explanation**

The total message length for the command allowed on the console (32 K) was exceeded.

### **Severity**

8

### **System action**

The command is actioned, but the display of the command is terminated.

### **System programmer response**

This error occurs if a command that displays attributes or other information about objects is entered using a generic name (for example, DIS Q(\*) ALL), and the total amount of data to be displayed exceeds 32 K. To avoid this problem, try to be more selective about the information requested (for example, DIS Q(PAY\*) ALL).



## CSQM299I: *csect-name* INSUFFICIENT STORAGE TO COMPLETE DISPLAY

### Explanation

There was insufficient storage available to complete processing of a command that displays attributes or other information about objects.

### Severity

8

### System action

The command is actioned, but the display of the information is terminated.

### System programmer response

If this error occurs when a generic name is used in the command (for example, DIS Q(\*) ALL), try to be more selective about the information requested (for example, DIS Q(PAY\*) ALL). If the problem persists, you might need to increase the region size used by your queue manager or channel initiator, or you might need to reduce the number of jobs running in your system.

## CSQM4nnI: object details

### Explanation

This message consists of the entire object or object status details formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

The message number depends on the object or object status type, as follows:

Number	Object or status type
CSQM400I	Storage class object
CSQM401I	Local queue object
CSQM402I	Model queue object
CSQM403I	Alias queue object
CSQM406I	Remote queue object
CSQM407I	Namelist object
CSQM408I	Process object
CSQM409I	Queue manager object
CSQM410I	Sender channel object
CSQM411I	Server channel object
CSQM412I	Receiver channel object
CSQM413I	Requester channel object
CSQM415I	Server-connection channel object
CSQM416I	Client-connection channel object
CSQM417I	Cluster-receiver channel object

Number	Object or status type
CSQM418I	Cluster-sender channel object
CSQM420I	Sender channel status
CSQM421I	Server channel status
CSQM422I	Receiver channel status
CSQM423I	Requester channel status
CSQM425I	Server-connection channel status
CSQM427I	Cluster-receiver channel status
CSQM428I	Cluster-sender channel status
CSQM430I	CF structure object
CSQM431I	Cluster queue object
CSQM437I	Authentication information object
CSQM439I	Cluster queue manager object
CSQM440I	CF structure status
CSQM441I	Local queue status
CSQM442I	Connection information
CSQM451I	Local queue statistics

### Severity

0

## **CSQM999E: *csect-name* UNRECOGNIZED RETURN CODE *ret-code* FOR 'keyword'**

### Explanation

An unexpected return code was issued from a command, relating to the named keyword.

### Severity

8

### System action

The command is ignored.

### System programmer response

Note the return code *ret-code* (which is shown in hexadecimal) and contact your IBM support center.

---

## Command server messages (CSQN...)

### CSQN001I: COMMAND SERVER STARTED

#### Explanation

A request to start the command server with the START CMDSERV command has been accepted.

#### Severity

0

#### System action

The command server is triggered to start. This message should be followed by message CSQN200I which indicates that the command server is starting up.

### CSQN002I: COMMAND SERVER ALREADY STARTED

#### Explanation

A START CMDSERV command has been entered, but the command server is already running.

#### Severity

0

#### System action

The command is ignored.

### CSQN003I: COMMAND SERVER ENABLED

#### Explanation

In response to a START CMDSERV command in an initialization file, the command server has been put in to an enabled state.

#### Severity

0

#### System action

The command server will be started automatically when initialization finishes.

### CSQN004I: COMMAND SERVER ALREADY ENABLED

#### Explanation

A START CMDSERV command has been entered, but the command server was already enabled.

**Severity**

0

**System action**

The command is ignored.

**CSQN005I: COMMAND SERVER STOPPED****Explanation**

A request to stop the command server with a STOP CMDSERV command has been accepted.

**Severity**

0

**System action**

The command server shuts down when it finishes processing the current command (or immediately if it is not processing a command). This message is followed by message CSQN201I to confirm that the stop has started.

**CSQN006I: COMMAND SERVER ALREADY STOPPED****Explanation**

A STOP CMDSERV command was entered, but the command server was not running.

**Severity**

0

**System action**

The command is ignored.

**CSQN007I: COMMAND SERVER DISABLED****Explanation**

In response to a STOP CMDSERV command in an initialization file, the command server has been put in to a disabled state.

**Severity**

0

**System action**

The command server will not start automatically when initialization finishes.

## CSQN008I: COMMAND SERVER ALREADY DISABLED

### Explanation

A STOP CMDSERV command has been entered, but the command server was already disabled.

### Severity

0

### System action

The command is ignored.

## CSQN009I: *csect-name* *verb-name* *pkw-name* COMMAND DISABLED

### Explanation

The command was not processed because it was not allowed during this stage of initialization or termination. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

### Severity

4

### System action

The command is ignored.

## CSQN011I: COMMAND SERVER STATUS IS ENABLED

### Explanation

The command server is in an enabled state; that is, the command server will be started automatically when initialization finishes.

### Severity

0

## CSQN012I: COMMAND SERVER STATUS IS DISABLED

### Explanation

The command server is in a disabled state; that is, the command server will not be started automatically when initialization finishes.

### Severity

0

## **CSQN013I: COMMAND SERVER STATUS IS RUNNING**

### **Explanation**

The command server is in a running state; that is, the command server is currently processing a command.

### **Severity**

0

## **CSQN014I: COMMAND SERVER STATUS IS WAITING**

### **Explanation**

The command server is in a waiting state; that is, the command server is waiting for a message to be put onto the system-command input queue.

### **Severity**

0

## **CSQN015I: COMMAND SERVER STATUS IS STOPPED**

### **Explanation**

The command server is in a stopped state; that is, the command server will not process any commands until a START CMDSERV command is entered.

### **Severity**

0

## **CSQN016I: COMMAND SERVER STATUS IS STARTING**

### **Explanation**

The command server is in a starting state; that is, a START CMDSERV command has been entered, but the command server has not yet started up.

### **Severity**

0

## **CSQN017I: COMMAND SERVER STATUS IS STOPPING**

### **Explanation**

The command server is in a stopping state; that is, a STOP CMDSERV command has been entered, but the command server has not yet stopped.

### **Severity**

0

## **CSQN018E: *csect-name* INTERNAL ERROR FOR identifier, RETURN CODE=rc**

### **Explanation**

This message could be caused by the following:

#### **Identifier**

#### **Description**

##### **INSSRV01**

During the early part of initialization, the queue manager was unable to start the task that processes commands in CSQINP1.

##### **INSSRV02**

During the later part of initialization, the queue manager was unable to start the task that processes commands in CSQINP2.

##### **RTSSRV01**

After initialization has completed with the command server enabled, or in response to a START CMDSERV command, the queue manager was unable to start the command server task that processes commands in the system-command input queue.

##### **GRSSRV01**

After initialization has completed with the command server enabled, or in response to a START CMDSERV command, the queue manager was unable to start the command server task that processes commands using CMDSCOPE.

### **Severity**

8

### **System action**

The task is not started.

### **System programmer response**

Stop and restart the queue manager. Check the console for other messages regarding this error, and note the message number, *identifier*, and *rc*. Also collect the system dump (if one was produced). Contact your IBM support center to report the problem.

## **CSQN019E: *csect-name* INTERNAL ERROR FOR identifier, RETURN CODE=rc**

### **Explanation**

This message could be caused by the following:

#### **Identifier**

#### **Description**

##### **INSSRV01**

During the early part of initialization an error occurred when trying to delete the task that processes commands in CSQINP1.

**INSSRV02**

During the later part of initialization an error occurred when trying to delete the task that processes commands in CSQINP2.

**RTSSRV01**

During termination with the command server running, or in response to a START CMDSERV command, an error occurred when trying to delete the command server task that processes commands in the system-command input queue.

**GRSSRV01**

During termination with the command server running, or in response to a START CMDSERV command, an error occurred when trying to delete the command server task that processes commands using CMDSCOPE.

**Severity**

8

**System action**

If the value of *identifier* was INSSRV01 or INSSRV02, the error is ignored, and startup continues.

If the value of *identifier* was RTSSRV01 or GRSSRV01 and *csect-name* was CSQNESTP, the command server could have terminated while processing a command.

**System programmer response**

Check the console for other messages regarding this error. If you are unable to resolve the problem, note the message number, *identifier*, and *rc*, collect the system dump (if one was produced), and contact your IBM support center.

**CSQN020E: *csect-name* UNABLE TO START COMMAND SERVER *identifier*****Explanation**

*csect-name* was unable to start the command server task *identifier*.

**Severity**

8

**System action**

If *identifier* is INSSRV01 or INSSRV02, initialization is not completed and a dump might be produced. In other cases, the command server is not started.

**System programmer response**

Stop and restart the queue manager. Contact your IBM support center with details of this message, any previous messages pertaining to this error, and the dump (if applicable).



## **CSQN021E: *csect-name* COMMAND SERVER identifier ABNORMAL COMPLETION**

### **Explanation**

The command server task *identifier* was unable to complete its processing during startup.

### **Severity**

8

### **System action**

Queue manager startup continues.

### **System programmer response**

Check the z/OS console for related messages (probably concerning the CSQINPx data sets). The CSQOUTx data sets should also be checked to determine how much command processing was done before the error occurred. If required, reissue any unprocessed commands, or resolve the problem and restart the queue manager.

## **CSQN100I: COMMAND EXCEEDS MAXIMUM SIZE, COMMAND IGNORED**

### **Explanation**

The command string was too long.

### **Severity**

4

### **System action**

The command is ignored, and processing of CSQINP1 or CSQINP2 continues.

### **System programmer response**

The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set. For details about forming a command string, see the WebSphere MQ for z/OS System Setup Guide.

## **CSQN101I: COMMAND ENDS WITH A CONTINUATION MARK, COMMAND IGNORED**

### **Explanation**

The last command in the CSQINP1 or CSQINP2 data set ended with a continuation mark.

## Severity

4

## System action

The command is ignored.

## System programmer response

The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set. For details about forming a command string, see the WebSphere MQ for z/OS System Setup Guide.

## CSQN102I: COMMAND BUFFER INVALID, ERROR UNKNOWN, COMMAND IGNORED

### Explanation

An internal error has occurred.

### Severity

4

### System action

This command is ignored, and the next command is processed.

### System programmer response

The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set. If you are unable to solve the problem, contact your IBM support center.

## CSQN103I: COMMAND PROCESSOR RETURN CODE=rc, REASON CODE=reason

### Explanation

An error occurred while processing the command preceding this message in the CSQOUT1 or CSQOUT2 data set. The possible values of *rc* are as follows:

#### Return code

##### Description

00000004

Internal error

00000008

Syntax or command preprocessor error, see the following lines in the CSQOUTx data set

0000000C

Command processor error, see the following lines in the CSQOUTx data set

00000010	Command processor abnormal termination
00000014	Command completed, but there is insufficient storage for the messages
00000018	Command preprocessor has insufficient storage (there could be further messages about this error)
0000001C	The command processor has insufficient storage (the command could be partially completed)
00000020	Security check
00D50102	Refer to “Command server codes (X'D5)” on page 841

**Note:** If the return code is '00000010', the reason code has no meaning.

If *reason* is 00000004 and *return code* is 00000000, the command has been accepted and will be completed later. Further messages will be produced when the command has been completed.

Otherwise the reason code indicates the command result as follows:

<b>Reason</b>	<b>Description</b>
00000000	Command completed
00000004	Partial completion
00000008	Command not actioned
0000000C	Command processor abend
FFFFFFFF	Command not actioned

### **Severity**

4

### **System action**

The next command is processed, if possible.

### **System programmer response**

If *reason* indicates that the command did not complete, examine the command and all associated messages. See the WebSphere MQ Script (MQSC) Command Reference manual for further information about the commands.

If you are unable to solve the problem, collect the input and output data sets and contact your IBM support center.

## **CSQN104I: INITIALIZATION RETURN CODE=*rc*, REASON CODE=*reason***

### **Explanation**

An error occurred while processing one of the initialization data sets.

### **Severity**

8

### **System action**

The system action depends on the reason code (*reason*). Refer to “Command server codes (X'D5)’” on page 841 for information the code you have received.

### **System programmer response**

The response you should make depends on the reason code (*reason*). Refer to “Command server codes (X'D5)’” on page 841 for information about the code you have received.

## **CSQN105I: Commands from *ddname* for queue manager *qmgr-name* – date time**

### **Explanation**

This message forms the header for the output data sets CSQOUT1 and CSQOUT2.

### **Severity**

0

## **CSQN121I: ‘verb-name pkw-name’ command responses from *qmgr-name***

### **Explanation**

The following messages are responses from queue manager *qmgr-name* to the indicated command – either entered or generated by another command – that specified CMDSCOPE.

## **CSQN122I: ‘verb-name pkw-name’ command for CMDSCOPE(*qmgr-name*) normal completion**

### **Explanation**

Processing for the indicated command that specified CMDSCOPE(*qmgr-name*) – either entered or generated by another command – has completed successfully on all requested queue managers.

## **CSQN123E: ‘verb-name pkw-name’ command for CMDSCOPE(qmgr-name) abnormal completion**

### **Explanation**

Processing for the indicated command that specified `CMDSCOPE(qmgr-name)` – either entered or generated by another command – has completed, but not successfully. If the command was sent to more than one queue manager, it may have completed successfully on some and not on others.

### **System programmer response**

Examine the preceding responses from the command. Reissue the command correctly if necessary for the queue managers where it failed.

## **CSQN127E: Queue-sharing group error, reason=reason**

### **Explanation**

While processing a command that specified `CMDSCOPE`, the command server experienced an error while trying to send data to the coupling facility.

### **Severity**

8

### **System action**

The command is not processed.

### **System programmer response**

The response you should make depends on the reason code (*reason*). Refer to “Coupling Facility codes (X’C5’)” on page 714 for information about the code.

## **CSQN128E: Insufficient storage for CMDSCOPE(qmgr-name)**

### **Explanation**

While processing a command that specified `CMDSCOPE`, the command server was unable to obtain storage needed.

### **System action**

The command is not processed.

### **System programmer response**

If the problem persists, you may need to restart the queue manager after making more storage available.

## **CSQN129E: Error saving command reply information**

### **Explanation**

While processing a command that specified CMDSCOPE or a command for the channel initiator, the command server experienced an error while trying to save information about the command.

### **Severity**

8

### **System action**

The command is not processed.

### **System programmer response**

The most likely cause is insufficient storage. If the problem persists, you may need to restart the queue manager after making more storage available.

## **CSQN130E: Command exceeds maximum size for CMDSCOPE(qmgr-name)**

### **Explanation**

A command that specified CMDSCOPE(*qmgr-name*) was too long.

### **System action**

The command is not processed.

### **System programmer response**

Reissue the command correctly.

## **CSQN131E: CMDSCOPE(qmgr-name) not allowed during restart**

### **Explanation**

A command that specified CMDSCOPE(*qmgr-name*) was issued in the initialization input data set CSQINP1. This is not allowed.

### **System action**

The command is not processed.

### **System programmer response**

Reissue the command later.

## **CSQN132E: CMDSCOPE(*qmgr-name*) not allowed with disposition *disposition***

### **Explanation**

A command that specified CMDSCOPE(*qmgr-name*) with QSGDISP(*disposition*) or CHLDISP(*disposition*) was issued. This combination of values is not allowed.

### **System action**

The command is not processed.

### **System programmer response**

Reissue the command correctly.

## **CSQN133E: CMDSCOPE(*qmgr-name*) not allowed, command server unavailable**

### **Explanation**

A command that specified CMDSCOPE(*qmgr-name*) was entered or generated by another command, but the command server is not running and not enabled.

### **System action**

The command is not processed.

### **System programmer response**

Use the START CMDSERV command to start the command server, and reissue the command.

## **CSQN135E: Queue manager *qmgr-name* not active in queue-sharing group**

### **Explanation**

A command specifying CMDSCOPE(*qmgr-name*) was entered or generated by another command, but that queue manager is not currently active in the group.

### **System action**

The command is not processed.

### **System programmer response**

Start the queue manager and reissue the command if required.

## **CSQN136E: Not in queue-sharing group**

### **Explanation**

A command that requires a queue-sharing group was entered, but the queue manager is not in a group.

### **System action**

The command is not processed.

### **System programmer response**

Reissue the command correctly.

## **CSQN137I: 'verb-name pkw-name' accepted for CMDSCOPE(qmgr-name), sent to n**

### **Explanation**

A command that specified CMDSCOPE was entered. It has been passed to the requested queue manager(s) for processing; *n* is the number of queue managers.

### **System action**

Processing continues.

## **CSQN138I: 'verb-name pkw-name' generated for CMDSCOPE(qmgr-name), sent to n**

### **Explanation**

A command that specified CMDSCOPE was generated in response to the command originally entered. It has been passed to the indicated queue manager(s) for processing; *n* is the number of queue managers.

### **System action**

Processing continues.

## **CSQN201I: COMMAND SERVER IS SHUTTING DOWN**

### **Explanation**

This message confirms that the command server is shutting down after an error.

### **Severity**

0

### **System action**

The command server shuts down and will not process any more commands.



## System programmer response

Correct the errors reported in the preceding messages, and use the START CMDSERV command to restart the command server.

## CSQN202I: COMMAND SERVER RETURN CODE=*rc*, REASON=*reason*

### Explanation

An error occurred in the command server, as indicated by the preceding messages.

### Severity

8

### System action

The system action depends on the reason code (*reason*). Refer to “Command server codes (X'D5’)” on page 841 or “Coupling Facility codes (X'C5’)” on page 714 for information about the code.

### System programmer response

The response you should make depends on the reason code (*reason*).

The return code *rc* is dependant on *reason*, and is of use to IBM service personnel.

## CSQN203I: API COMPLETION CODE=*mqcc*, REASON CODE=*mqrc*

### Explanation

An API call, as indicated in the preceding message, did not complete successfully. *mqcc* is the completion code, and *mqrc* is the reason code.

### Severity

8

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

If you are unable to resolve the problem, note the numbers of any messages and codes associated with the error, and contact your IBM support center.

## CSQN205I: COUNT=*count*, RETURN=*rc*, REASON=*reason*

### Explanation

This message reports the results from the command processor (refer to the WebSphere MQ for z/OS System Administration Guide for further information).

*count* is the number of messages (including this one) to be written to the reply-to queue in response to the command. Possible values of *rc* are as follows:

<b>Return code</b>	<b>Description</b>
00000000	Normal completion
00000004	Internal error
00000008	Syntax or command preprocessor error, see the following messages
0000000C	Command processor error, see the following messages
00000010	Command processor abnormal termination
00000014	Command completed, but there is insufficient storage for the messages
00000018	Command preprocessor has insufficient storage, (there could be further messages about this error)
0000001C	The command processor has insufficient storage (the command could be partially completed)
00000020	Security check, check userid authority
00000024	Command too long, see the following messages
00000028	Queue-sharing group error, see the following messages
00D5xxxx	Refer to "Command server codes (X'D5)" on page 841

**Note:** If the return code is '00000010', the reason code has no meaning.

If *reason* is 00000004 and *return code* is 00000000, the set of reply messages is incomplete. Further sets of messages, each including another CSQN205I message, will be produced later. The results of the command will be shown by the codes in the CSQN205I message included with the final set of messages.

Otherwise the reason code indicates the command result as follows:

<b>Reason</b>	<b>Description</b>
00000000	Command completed
00000004	Partial completion
00000008	Command not actioned

000000C  
Command processor abend

FFFFFFFF  
Command not actioned

### Severity

0

### System action

The next command is processed, if possible.

### System programmer response

If *reason* indicates that the command did not complete, examine the command and all associated messages. See the WebSphere MQ Script (MQSC) Command Reference manual for further information about the commands.

If you are unable to solve the problem, collect the input and output data sets and contact your IBM support center.

## **CSQN206I: COMMAND SERVER ECBLIST, STOP=*ecb1*, WAIT=*ecb2***

### Explanation

This message reports the ECB values associated with an error in the command server.

### Severity

8

### System action

The command server terminates.

### System programmer response

This message is usually preceded by a CSQN202I message. Refer to the preceding messages for more information about the cause of the problem.

## **CSQN207E: COMMAND SERVER UNABLE TO OPEN REPLY TO QUEUE**

### Explanation

The command server was unable to open the reply-to queue while processing a command.

### **System action**

Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQOPEN** request. The command responses are discarded.

### **System programmer response**

Refer to API completion and reason codes for information about the completion and reason codes. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center.

- Return and reason codes from the message produced
- Any trace information collected

## **CSQN208E: COMMAND SERVER UNABLE TO OPEN COMMAND INPUT QUEUE**

### **Explanation**

The command server was unable to open the system-command input queue while starting up.

### **System action**

Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQOPEN** request. The command server stops, without processing any commands.

### **System programmer response**

Refer to API completion and reason codes for information about the completion and reason codes. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center.

- Return and reason codes from the message produced
- Any trace information collected

## **CSQN209E: COMMAND SERVER ERROR CLOSING COMMAND INPUT QUEUE**

### **Explanation**

While the command server was shutting down, an error occurred when closing the system-command input queue.

### **System action**

Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQCLOSE** request. The shutdown procedure continues.

## System programmer response

Refer to API completion and reason codes for information about the completion and reason codes. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the message produced
- Any trace information collected

## CSQN210E: COMMAND SERVER ERROR CLOSING REPLY TO QUEUE

### Explanation

The command server was unable to close the reply-to queue while processing a command.

### System action

Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQCLOSE** request.

The command server continues.

### System programmer response

Refer to API completion and reason codes for information about the completion and reason codes.

## CSQN211E: COMMAND SERVER ERROR GETTING FROM COMMAND INPUT QUEUE

### Explanation

The command server experienced an error while trying to get a message from the system-command input queue.

### System action

Message CSQN203I is sent to the z/OS console, reporting the completion and reason codes from the **MQGET** request.

The command server terminates.

### System programmer response

Refer to API completion and reason codes for information about the completion and reason codes. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

## **CSQN212E: COMMAND SERVER ERROR PUTTING TO REPLY TO QUEUE**

### **Explanation**

The command server was unable to put a response message onto a reply-to queue while processing a command.

### **System action**

Message CSQN203I is sent to the z/OS console reporting the completion and reason codes from the **MQPUT** request. If possible, the command server sends the response message to the dead-letter queue, otherwise the response is discarded.

The command server continues.

### **System programmer response**

Refer to API completion and reason codes for information about the completion and reason codes. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the message produced
- Any trace information collected

## **CSQN213E: COMMAND SERVER ERROR, COMMAND INPUT QUEUE DISABLED**

### **Explanation**

While waiting for a command the system-command input queue has been disabled.

### **System action**

Message CSQN203I is sent to the console containing the return and reason codes from the request function. The command server terminates.

### **System programmer response**

Change the system-command input queue to be enabled, and issue the **START CMDSERV** command.

If the problem persists, collect the following items, and contact your IBM support center:

- Return and reason codes
- Any trace data collected
- Printout of SYS1.LOGREC

## CSQN219E: Unable to find command reply information

### Explanation

While processing responses from a command that specified CMDSCOPE or a command for the channel initiator, the command server could not find the information to determine where to send the responses.

### Severity

8

### System action

The command may not be processed; any command responses are discarded. The command server continues.

### System programmer response

If the problem persists, contact your IBM support center with details of this message, any previous messages pertaining to this error, and the dump (if applicable).

## CSQN220E: Error monitoring CMDSCOPE command data

### Explanation

The command server experienced an error while monitoring command data in the coupling facility.

### System action

Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

### System programmer response

Refer to “Coupling Facility codes (X’C5)” on page 714 for information about the reason code. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

## CSQN221E: Error receiving CMDSCOPE command data

### Explanation

The command server experienced an error while trying to get command data from the coupling facility.

## System action

Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

## System programmer response

Refer to “Coupling Facility codes (X’C5’)” on page 714 for information about the reason code. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

## CSQN222E: Error sending CMDSCOPE command data

### Explanation

The command server experienced an error while trying to send command data to the coupling facility.

### System action

Message CSQN202I is sent to the z/OS console, reporting the return and reason codes from the request.

The command server terminates.

### System programmer response

Refer to “Coupling Facility codes (X’C5’)” on page 714 for information about the reason code. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

## CSQN223E: Insufficient storage for CMDSCOPE command data

### Explanation

The command server was unable to obtain storage needed for command data in the coupling facility.

### System action

The command server terminates.



## System programmer response

Use the START CMDSERV command to restart the command server. If the problem persists, you may need to restart the queue manager after making more storage available.

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## Operations and control messages (CSQO...)

### CSQO001I: '\*' may only be final character.

#### Explanation

A character string entered in the Name field contains an asterisk character that is not in the last position. This is not allowed.

#### Severity

8

#### System action

The main menu is redisplayed.

#### Operator response

Reenter the character string without an internal asterisk.

### CSQO002I: Action action is not allowed.

#### Explanation

An incorrect action number was entered in the action code field. The number must be in the range shown on the panel.

#### Severity

8

#### System action

The panel is redisplayed.

#### Operator response

Enter an action code that is in the correct range.

### CSQO003I: Use the ISPF command PFSHOW to display F-key settings

#### Explanation

On entry to Operations and Control, F-key settings are not being displayed. This tells you how to display the settings; you need to use F-keys to use the Operations and Control panels.

**Severity**

0

**System action**

None.

**Operator response**

Type PFSHOW in the command area of the panel to see the F-key settings. (Note that this will cause the F-key settings to be displayed on any other logical ISPF screens that you have, and to remain displayed when you leave Operations and Control. Use the ISPF command PFSHOW OFF to turn the display off.)

**CSQO004I: Object object-type is not allowed.****Explanation**

The value entered in the Object type field was invalid.

**Severity**

8

**System action**

The main menu is redisplayed.

**Operator response**

Use the Prompt function key or panel command to display the 'Select Object Type' secondary window, and select a value from the list displayed.

**CSQO005I: Multiple replies returned. Press F10 to view.****Explanation**

Several error messages were returned by the queue manager in response to an action from Operations and Control.

**Severity**

4

**System action**

The main menu is redisplayed.

**Operator response**

Use the MSGVIEW panel command, or the messages function key to display the messages. If required, refer to this manual for information about the messages displayed.

## **CSQO006I: Blank name is not allowed with action queue manager \*.**

### **Explanation**

The Define action was selected and the Name field was left blank to define a new object using default attributes. However, an asterisk (\*) was entered for the action queue manager, which is not allowed in this case.

### **Severity**

8

### **System action**

The main menu is redisplayed.

### **Operator response**

Choose a specific target queue manager.

## **CSQO007I: 'field' must be supplied.**

### **Explanation**

Nothing was entered in the named field. This value is required in order to continue.

### **Severity**

8

### **System action**

The current panel is redisplayed.

### **Operator response**

Enter the required value in the named field.

## **CSQO008I: F-key is not active.**

### **Explanation**

A function key that is not currently available was pressed.

### **Severity**

4

### **System action**

The current panel is redisplayed.

## Operator response

Valid keys on each panel are listed; use the ISPF command PFSHOW to see the list if missing. Only use valid keys.

## CSQO009I: Action action is not allowed for object type object-type.

### Explanation

The action number that you entered is not allowed for *object-type* objects.

### Severity

8

### System action

The current panel is redisplayed.

### Operator response

For information about the actions that are allowed for *object-type* objects, see the help panel for the action field.

## CSQO010I: Queue manager or group is not available.

### Explanation

An attempt to connect to a queue manager was unsuccessful. If a queue manager name was specified, the queue manager is not running. If a queue-sharing group name was specified, there are no queue managers running in that group.

### Severity

8

### System action

None, the panel is redisplayed.

### Operator response

If required, start a queue manager.

## CSQO011E: MQCONN unsuccessful. Reason code=mqrc.

### Severity

8

### Explanation

An attempt to connect to a queue manager or queue-sharing group was unsuccessful for one of the following reasons:

1. Insufficient storage is available
2. A severe error has occurred

**System action**

None, the panel is redisplayed.

**System programmer response**

Refer to API completion and reason codes for information about *mqrc*.

**CSQO012I: Connect name is invalid or unknown.****Explanation**

An attempt to connect to a queue manager or queue-sharing group was unsuccessful because the name specified is not known, or not valid. If a blank name was specified, this means that there was no default queue manager or group defined for your installation.

**Severity**

8

**System action**

None, the panel is redisplayed.

**Operator response**

Correct the name specified.

**CSQO013I: Not authorized to use queue manager.****Explanation**

An attempt to connect to a queue manager was unsuccessful because the connection security failed, or you are not authorized to do so.

**Severity**

8

**System action**

None, the panel is redisplayed.

**Operator response**

Contact your security administrator.

## CSQO014E: MQOPEN of *q-name* unsuccessful. Reason code=*mqrc*.

### Explanation

An attempt to open *q-name* was unsuccessful. *mqrc* is the reason code returned by **MQOPEN**; see API completion and reason codes for more information. *q-name* is one of the following:

- SYSTEM.COMMAND.INPUT
- SYSTEM.COMMAND.REPLY.MODEL; the requested dynamic queue name is appended in parentheses.
- The name of a transmission queue (if you are attempting to send commands to a remote system)

Likely causes of this problem are:

- One or both of the required queues is not defined on the queue manager that you have connected to.
- An attempt was made to send commands to a remote system, but no transport queue is defined.
- You are not authorized to open one of the required queues. If the message indicates that it is the SYSTEM.COMMAND.REPLY.MODEL queue that you are not authorized to open, it could be that you are not authorized to open the SYSTEM.CSQOREXX.\* dynamic queue.
- There is insufficient storage available.

### Severity

8

### System action

The main menu is redisplayed.

### Operator response

Take the corrective action suggested for *mqrc*. Also:

- Check that *q-name* is defined correctly.
- If your target queue manager is not the same as the connect to queue manager, ensure that you have defined a transmission queue with the same name. See the WebSphere MQ Intercommunication manual for information about remote queues.
- If *mqrc* is 2035 (MQRC\_NOT\_AUTHORIZED) contact your MQ data security administrator.

## CSQO015E: Command issued but no reply received.

### Explanation

The reply to a command could not be retrieved from the reply-to queue using **MQGET** because the response wait time was exceeded.

## Severity

8

## System action

The panel is redisplayed. The command was sent to the queue manager, but it might not have been executed successfully.

## Operator response

Increase the response wait time and try again.

If the problem persists, issue commands from the z/OS console for the target queue manager to do the following:

- Check whether the command was actioned (for example, if you were trying to define a queue ABCD, use the command DISPLAY QUEUE(ABCD) to see if it has been actioned).
- Check the GET attribute of the SYSTEM.COMMAND.INPUT queue; it should be set to ENABLED.
- Check the PUT and MAXMSGL attributes of the reply-to model queue SYSTEM.COMMAND.REPLY.MODEL. PUT should be set to ENABLED; MAXMSGL should be at least 15000.
- If all the settings are correct, stop and restart the command server using the STOP CMDSERV and START CMDSERV commands.

Additionally, if the target queue manager was remote:

- Check that the links to the remote queue manager are still available.
- Check the transmission queue definitions for both the local and remote queue managers. The commands are put onto a locally defined transmission queue, and after transmission, they are put onto the system-command input queue of the remote queue manager. After the command has been actioned, the replies are put onto a transmission queue on the remote queue manager, and after transmission, they are put onto the local reply-to queue. You should check all four queues.
- If you think you have a network performance problem, contact the system programmer.

## CSQO016E: MQPUT to *q-name* unsuccessful. Reason code=mqrc.

### Explanation

An attempt to put a command on a queue (*q-name*) using MQPUT was unsuccessful. *q-name* is the name of either the system-command input queue, or a transmission queue if you are sending commands to a remote queue manager. *mqrc* is the reason code returned from MQPUT; see API completion and reason codes for more information.

The most likely causes of this problem are:

1. Put requests are inhibited for the system-command input queue or the transmission queue.

2. The system-command input queue or transmission queue is full, because the command server is not running.
3. There is insufficient storage available.

### Severity

8

### System action

The command is not sent to the queue manager and the panel is redisplayed.

### Operator response

Wait a bit and try again.

If the problem persists, take the corrective action suggested for *mqrc*. Issue commands from the z/OS console for the target queue manager to do the following:

- Check the PUT, MAXDEPTH, and MAXMSGL attributes of the queue. PUT should be set to ENABLED; MAXDEPTH should not be zero; MAXMSGL should be at least 32762.
- If all the settings are correct, stop and restart the command server using the STOP CMDSERV and START CMDSERV commands.

If you are unable to resolve the problem, contact the system programmer.

## CSQO017E: MQGET from reply-q unsuccessful. Reason code=mqrc.

### Explanation

The reply to a command could not be retrieved from the reply-to queue using MQGET. (The reply-to queue is a local queue generated from the model queue SYSTEM.COMMAND.REPLY.MODEL.) *mqrc* is the reason code returned from MQGET; see API completion and reason codes for more information.

A possible cause of this problem is that get requests are inhibited on the reply-to queue.

### Severity

8

### System action

The panel is redisplayed. The command was sent to the queue manager, but it might not have been executed successfully.

### Operator response

Take the corrective action suggested for *mqrc*. Issue commands from the z/OS console for the target queue manager to do the following:



- Check whether the command was actioned (for example, if you were trying to define a queue ABCD, use the command DISPLAY QUEUE(ABCD) to see if it has been actioned).
- Check the GET and MAXMSGL attributes of the reply-to model queue SYSTEM.COMMAND.REPLY.MODEL. GET should be set to ENABLED; MAXMSGL should be at least 13000.
- If all the settings are correct, stop and restart the command server using the STOP CMDSERV and START CMDSERV commands.

If you are unable to resolve the problem, contact the system programmer.

## **CSQO018E: Queue manager is invalid or unknown or unavailable.**

### **Explanation**

An attempt to send a command was unsuccessful because the target or action queue manager was not known or not valid or not running.

### **Severity**

8

### **System action**

The command is not sent the queue manager and the panel is redisplayed.

### **Operator response**

Check the name and, if a remote queue manager is being used, check the remote queue definition, and correct as necessary. If required, start the queue manager.

## **CSQO019E: Queue manager is no longer available.**

### **Explanation**

The queue manager that you were using is no longer running. The action that you requested might not have been actioned.

### **Severity**

8

### **System action**

The main menu is redisplayed.

### **Operator response**

Restart the queue manager, and check whether your last request has been actioned.

## **CSQO020I: 'field' truncated due to quotes. Press Enter to continue.**

### **Explanation**

The value in field *field* contains one or more quote marks. In order that these are treated as quote marks instead of indicators of the beginning or end of a string, each quote mark is converted into two quote marks (doubling up) in the command for the queue manager. However, this conversion has made the string too long, and it has been truncated.

### **Severity**

0

### **System action**

The value is truncated. The panel may be redisplayed with *field-name* set to the truncated value.

### **Operator response**

Press Enter to submit the altered definition. If the panel is redisplayed, reduce the number of quote marks used in the field if appropriate.

## **CSQO021I: Generic name not allowed.**

### **Explanation**

You entered a name ending with an asterisk, but generic names are only allowed on the 'Main Menu' panel.

### **Severity**

8

### **System action**

The panel is redisplayed.

### **Operator response**

Enter the name of the object in full.

## **CSQO022I: Filter value invalid.**

### **Explanation**

You asked to list objects with filtering, but the value entered for the attribute to be used was invalid.

### **Severity**

8

**System action**

The main menu panel or an empty list panel is displayed.

**Operator response**

Choose the Filter action again, and enter a correct value for the attribute.

**CSQO023I: Command command not recognized.****Explanation**

The command entered in the panel command area (or using a function key) is not valid.

**Severity**

4

**System action**

The panel is redisplayed.

**Operator response**

Enter the panel command correctly.

**CSQO025I: There are no messages to view.****Explanation**

The MSGVIEW panel command was entered in the command area, or the messages function key was pressed, but there are no messages from the queue manager to view.

**Severity**

0

**System action**

The panel is redisplayed.

**CSQO027I: Function function not allowed for object type object-type.****Explanation**

The function number that you entered is not allowed for *object-type* objects.

**Severity**

8

**System action**

The current panel is redisplayed.

**Operator response**

For information about the functions that are allowed for *object-type* objects, see the help panel for the function type field.

**CSQO028I: One of 'field1' or 'field2' but not both must be supplied.****Explanation**

Nothing was entered in the two named fields, or something was entered in both of them. Either one or the other must have a value.

**Severity**

0

**System action**

The current panel is redisplayed.

**CSQO029I: Command exceeds maximum allowable length of 32762 bytes.****Explanation**

While defining or altering a namelist, too many names are added causing the necessary command to exceed the maximum allowable length.

**Severity**

4

**System action**

The panel is redisplayed.

**Operator response**

Edit the list again to remove some of the names (a namelist can contain up to 256 names).

**CSQO030I: No objects of type *objtype* match name.****Explanation**

You asked to display or list the objects of type *objtype* and name *name*, but no matching objects were found.

### Severity

0

### System action

The current panel is redisplayed.

### Operator response

Check that you typed the name correctly.

If you are already displaying the named object when you receive this message, it indicates that the object has now been deleted.

## **CSQO031E: ALLOCATE of data set *dsname* unsuccessful. Return code = rc.**

### Explanation

An ALLOCATE error occurred when processing the data set allocated during an attempt to edit the names in a namelist. *dsname* is the name of the data set, and is of the form *userid.NAMELIST.NAMES<sub>n</sub>* (where *userid* is the TSO userid involved, and *n* is a number). *rc* is the return code from the TSO command ALLOCATE.

The most likely cause of this problem is that another data set with the same name already exists, or that DDname CSQONL<sub>n</sub> is in use.

### Severity

8

### System action

The panel is redisplayed.

### Operator response

Check to see if data set *userid.NAMELIST.NAMES<sub>n</sub>* already exists. If it does not, contact your system programmer.

### System programmer response

This message will be accompanied by one or more messages from TSO, giving more information about the cause of the problem. The return code is documented in the *TSO/E Command Reference* manual.

If you are unable to resolve the problem, contact your IBM support center.

## **CSQO032E: Serious error returned. Press F10 to view.**

### Explanation

A command was sent to the queue manager, but message CSQN205I was received in reply, indicating a severe error.

## Severity

12

## System action

Message CSQN205I is saved. The current panel is redisplayed.

## Operator response

Use the MSGVIEW panel command or the messages function key to display the CSQN205I message. Note the return and reason codes in this message and report them to your system programmer.

## System programmer response

Look up message CSQN205I and take the appropriate action.

## **CSQO033E: Format of first reply not recognized. Press F10 to view.**

### Explanation

A command was sent to the queue manager, but the first reply message received is not CSQN205I.

### Severity

8

### System action

The messages received are saved. If it is not possible to continue, the current panel is redisplayed.

### Operator response

Use the MSGVIEW panel command or the messages function key to display the messages.

If you are using a remote queue manager, then this problem could arise because you are using more than one link to the remote system, so the arrival order of reply messages is not guaranteed. If you display the messages received you might find the information you requested.

Retry the action. If the problem persists contact your IBM support center.

## **CSQO034E: Reply format not recognized. Press F10 to view.**

### Explanation

A command was sent to the queue manager. The first reply message received was CSQN205I as expected, but a subsequent message was not as expected.

**Severity**

8

**System action**

The message that caused the problem, and any subsequent messages are saved. If it is not possible to continue, the current panel is redisplayed.

**Operator response**

Use the MSGVIEW panel command or the messages function key to display the messages.

Retry the action. If the problem persists contact your IBM support center.

**CSQO035E: Unable to get storage (return code = rc).****Explanation**

An attempt to get storage was unsuccessful.

**Severity**

12

**System action**

The system is unable to acquire enough storage.

**Operator response**

Increase the amount of storage available to your system. If you are unable to do this, contact your system programmer.

**System programmer response**

Determine why there was insufficient storage available to satisfy the request.

**CSQO036I: List is not filtered.****Explanation**

You asked for a secondary list from a list that was filtered (for example, status from a list of queues or channels). The filter condition is not applied to the secondary list; all items that match the originally requested name, type, and disposition are included.

**Severity**

0

**Operator response**

Use the filter function key, if available, to filter the new list.

## **CSQO037I: Locally-defined channel will be used.**

### **Explanation**

You selected an action from the 'List Cluster queue manager Channels' panel for an auto-defined cluster channel, but there is a locally-defined channel of the same name. In such a case, if you decide to take the action, it will be performed against the locally-defined channel instead.

### **Severity**

4

### **System action**

The action panel is displayed.

### **Operator response**

Use the CANCEL panel command (function key F12) if you do not want to perform the action against the locally-defined channel.

## **CSQO038I: Function is recursive.**

### **Explanation**

The function you requested would cause recursion; that is, it would take you to a panel that you have previously come from. This is not allowed.

### **Severity**

4

### **System action**

The current panel is redisplayed.

### **Operator response**

Use the CANCEL panel command (function key F12) to get back to the panel you want.

## **CSQO039E: EDIT of data set *dsname* failed. Return code = *rc*.**

### **Explanation**

An EDIT error occurred when processing the data set allocated during an attempt to edit the names in a namelist. *dsname* is the name of the data set, and is of the form *userid*.NAMELIST.NAMES*n* (where *userid* is the TSO userid involved, and *n* is a number). *rc* is the return code from the ISPF command EDIT.

### **Severity**

8



**System action**

The panel is redisplayed.

**Operator response**

Contact your system programmer.

**System programmer response**

This message will be accompanied by one or more messages from TSO, giving more information about the cause of the problem. The return code is documented in the *TSO/E Command Reference* manual.

If you are unable to resolve the problem, contact your IBM support center.

**CSQO040I: No open queues with disposition *disptype* match *name*.****Explanation**

You asked to list the open queues with disposition (or dispositions) *disptype* and name *name*, but no matching objects were found.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO041I: Action requires a specific object type.****Explanation**

A define request was issued for object type QUEUE or CHANNEL.

**Severity**

4

**System action**

The secondary window or main panel is redisplayed.

**Operator response**

Enter a specific queue or channel type (for example, QLOCAL).

## **CSQO042I: On the first panel.**

### **Explanation**

A function key was pressed that requests scrolling back to the previous panel, but the first panel is already being displayed.

### **Severity**

0

### **System action**

The panel is redisplayed.

## **CSQO043I: On the last panel.**

### **Explanation**

A function key was pressed that requests scrolling forward to the next panel, but the last panel is already being displayed.

### **Severity**

0

### **System action**

The panel is redisplayed.

## **CSQO044I: Function not available for objects with type objtype.**

### **Explanation**

The function you requested (for example, status or cluster information) is not available for objects with type *objtype*.

### **Severity**

0

### **System action**

The panel is redisplayed.

## **CSQO045I: Name too long for object type type.**

### **Explanation**

You specified a name that was longer than 20 characters for a channel object or longer than 16 characters for a connection object or longer than 8 characters or longer than 12 characters for a CF structure object or longer than 8 characters for a storage class object.

**Severity**

8

**System action**

The panel is redisplayed.

**Operator response**

Enter a shorter name.

**CSQO046I: No channels with saved status for name.****Explanation**

You asked to list the saved status for channel *name*, but there was none.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO047I: No current channels for name.****Explanation**

You asked to list the current instances for channel *name*, but there were none.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO048I: Channel initiator is not active.****Explanation**

The action you requested needs the channel initiator to be active on the action queue manager, but it is not.

**Severity**

0

**System action**

The panel is redisplayed.

### Operator response

Start the channel initiator, and retry the action.

## **CSQO049I: EXEC cannot be invoked as a TSO command.**

### Explanation

An attempt was made to issue one of the Operations and Control execs as a TSO command.

### Severity

4

### System action

The request is ignored.

### System programmer response

Use CSQOREXX to invoke the Operations and Control panels.

## **CSQO050I: No objects of type *objtype* disposition *disptype* match name.**

### Explanation

You asked to display or list the objects of type *objtype*, with disposition (or dispositions) *disptype* and name *name*, but no matching objects were found.

### Severity

0

### System action

The current panel is redisplayed or the empty list panel is displayed.

### Operator response

Check that you typed the name correctly.

If you are already displaying the named object when you receive this message, it indicates that the object has now been deleted.

## **CSQO051I: Like object name with disposition *disptype* not found. Name assumed to be for defining new object with default attributes.**

### Explanation

You asked to define an object of type *objtype*, using as a basis an object with disposition *disptype* and name *name*, but no such object was found.

(In earlier releases, you could specify the name of a new object to define on the 'Main Menu' panel, and a 'like' name to use as a basis for your definition. Now, only the 'like' name can be specified for 'Define' on the 'Main Menu' panel; you specify the new object name on the 'Define' panel.)

### **Severity**

0

### **System action**

The 'Define' panel is displayed, initialized with the name you specified and the default attributes for that type of object, on the assumption that you intended to define a new object with default attributes.

### **Operator response**

Check the disposition and attributes and then press Enter to define a new object with the name you specified, or press F12 to return to the 'Main Menu' panel.

To define a new object with default attributes, you should leave the name blank on the 'Main Menu' panel, and enter it on the 'Define' panel.

## **CSQO052I: Queue manager names changed because connect name changed.**

### **Explanation**

The Connect name field was changed but the Target queue manager field was not, and the new connect name was different from the target queue manager name. It is assumed you have forgotten to change the target queue manager.

### **Severity**

0

### **System action**

The target queue manager is changed to the queue manager you are connected to; the action queue manager may also be changed. The 'Queue Manager Names' secondary window is displayed, showing the new names that will be used.

## **CSQO053I: Blank connect or queue manager names specified.**

### **Explanation**

One or more of Connect name, Target queue manager, or Action queue manager fields was blank, specifying that the default name should be used.

### **Severity**

0

### **System action**

The 'Queue Manager Names' secondary window is displayed, showing the actual names that will be used.

## **CSQO054I: Function not available for objects with disposition *disptype*.**

### **Explanation**

The function you requested (for example, status or cluster information) is not available for objects with disposition (or dispositions) *disptype*.

### **Severity**

0

### **System action**

The panel is redisplayed.

## **CSQO055I: Connect name is a queue-sharing group.**

### **Explanation**

The Connect name field specified the name of a queue-sharing group, to connect to any queue manager in the group.

### **Severity**

0

### **System action**

The 'Queue Manager Names' secondary window is displayed, showing the queue manager you are connected to.

## **CSQO056I: Queue sharing group is needed.**

### **Explanation**

The action you requested needs the queue manager to be part of a queue sharing group, but it is not.

### **Severity**

0

### **System action**

The panel is redisplayed.

### **Operator response**

Tell your system administrator.

**CSQO057I: Function *function* is not allowed for disposition *disposition*.**

**Explanation**

The function number that you entered is not allowed with the specified disposition. This is the disposition of the object you are working with if you are using the Manage action, or the disposition you chose if you are performing a channel function.

**Severity**

8

**System action**

The current panel is redisplayed.

**Operator response**

If you are using the Manage action, see the help panel for the function type field for information about the functions that are allowed for various dispositions of objects. If you are using the 'Perform a channel function' panel, see the help panel for the disposition field for information about the functions that are allowed for various dispositions.

**CSQO058I: Action *action* is not allowed for channels with disposition *disposition*.**

**Explanation**

The action number that you entered is not allowed for channel objects with the specified disposition.

**Severity**

8

**System action**

The current panel is redisplayed.

**Operator response**

Choose another action or channel. The perform, start, and stop actions are allowed only for channels with a disposition of QMGR or COPY.

**CSQO059I: Disposition *disposition* is not allowed for object type *object-type*.**

**Explanation**

The disposition that you entered is not allowed for *object-type* objects.

## Severity

8

## System action

The current panel is redisplayed.

## Operator response

For information about the dispositions that are allowed for *object-type* objects, see the help panel for the disposition field.

### **CSQO060I: Platform for target queue manager *qmgr-name* is not z/OS or OS/390.**

#### Explanation

The target queue manager is running on a platform that is not z/OS or OS/390. With such a queue manager, it is likely that actions will work only partially, incorrectly, or not at all, and that the replies from the queue manager will not be recognized.

## Severity

4

## System action

The 'Confirm Target Queue Manager' secondary window is displayed.

## Operator response

Press F12 to return to the 'Main Menu' panel and choose a suitable target queue manager.

### **CSQO061I: Target queue manager *qmgr-name* command level is not supported.**

#### Explanation

The target queue manager has a command level which is not one of those supported by the Operations and Control panels. With such a queue manager, it is likely that actions will work only partially, incorrectly, or not at all, and that the replies from the queue manager will not be recognized.

## Severity

4

## System action

The 'Confirm Target Queue Manager' secondary window is displayed.



### Operator response

Press F12 to return to the 'Main Menu' panel and choose a suitable target queue manager.

## **CSQO062I: Action queue manager *qmgr-name* command level is not the current level.**

### Explanation

The action queue manager has a command level which is not the current level supported by the Operations and Control panels. If an action is directed to such a queue manager most actions will work, but some fields will be ignored; a few objects and actions will be disallowed.

### Severity

4

### System action

The 'Confirm Action Queue Manager' secondary window is displayed.

### Operator response

Press Enter to continue, or F12 to return to the 'Main Menu' panel.

## **CSQO063I: Command level of some queue managers in the queue-sharing group is not the current level.**

### Explanation

The action queue manager is '\*' and one or more queue managers in the queue-sharing group has a command level which is not the current level supported by the Operations and Control panels. If an action is directed to such a queue manager or to all queue managers in the queue-sharing group, most actions will work, but some fields will be ignored; a few objects and actions will be disallowed.

### Severity

4

### System action

The 'Confirm Action Queue Manager' secondary window is displayed.

### Operator response

Press Enter to continue, or F12 to return to the 'Main Menu' panel.

## **CSQO064I: Object type object-type is not allowed with command level of action or target queue manager.**

### **Explanation**

The action or target queue manager has a command level which does not support *object-type* objects.

### **Severity**

4

### **System action**

The 'Confirm Action Queue Manager' secondary window is displayed.

### **Operator response**

Press F12 to return to the 'Main Menu' panel and choose a suitable action queue manager.

## **CSQO065I: Object name name is invalid.**

### **Explanation**

The value entered in the Name field was invalid.

### **Severity**

8

### **System action**

The panel is redisplayed.

### **Operator response**

Enter the name correctly. Use the field help to see the rules for object names.

## **CSQO066I: No status of this type for CF structures matching name.**

### **Explanation**

You asked to list status for CF structures with name *name*, but there were none with status of that type.

### **Severity**

0

### **System action**

The empty list panel is displayed.

## **CSQO067I: Some channel initiators not active in queue-sharing group. List may be incomplete.**

### **Explanation**

The action you requested requires information from the channel initiators on all the queue managers in the queue-sharing group, but some of those channel initiators are not active. The information may therefore be incomplete.

### **Severity**

4

### **System action**

The list panel is displayed, but may be incomplete.

### **Operator response**

Start all the channel initiators, and repeat the action.

## **CSQO068I: No channel initiators active in queue-sharing group.**

### **Explanation**

The action you requested requires information from the channel initiators on all the queue managers in the queue-sharing group, but none of those channel initiators are active. No information can therefore be displayed.

### **Severity**

4

### **System action**

The empty list panel is displayed.

### **Operator response**

Start all the channel initiators, and repeat the action.

## **CSQO069I: Action or function or object type is not allowed because of queue manager command level.**

### **Explanation**

The action queue manager has a command level which is not the current level supported by the Operations and Control panels. The action, function, or object type you chose is not allowed at that command level.

### **Severity**

4

**System action**

The panel is redisplayed.

**Operator response**

Return to the 'Main Menu' panel and choose a suitable action queue manager.

**CSQO070I: No field value supplied.****Explanation**

You asked to list objects with filtering, but no value was entered into any of the fields on the filter panels. A value must be entered into one (and only one) field to specify the filtering you want.

**Severity**

0

**System action**

The panel is redisplayed.

**Operator response**

Type a value into one of the fields.

**CSQO071I: More than one field value supplied.****Explanation**

You asked to list objects with filtering, but a value was entered into more than one of the fields on the filter panels. Only one field value may be entered to specify the filtering you want.

**Severity**

0

**System action**

The panel is redisplayed.

**Operator response**

Remove the extra values.

**CSQO072I: No current channels for name match filter condition.****Explanation**

You asked to list the current instances for channel *name* with a filter condition, but there were none that satisfied the condition.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO073I: No channels with saved status for name match filter condition.****Explanation**

You asked to list the saved status for channel *name* with a filter condition, but there were none with saved status that satisfied the condition.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO074I: No objects of type *objtype* match name and filter condition.****Explanation**

You asked to display or list the objects of type *objtype* and name *name*, with a filter condition, but no matching objects were found that satisfied the condition.

**Severity**

0

**System action**

The current panel is redisplayed.

**Operator response**

Check that you typed the name correctly.

If you are already displaying the named object when you receive this message, it indicates that the object has now been deleted.

**CSQO075I: No objects of type *objtype* disposition *disptype* match name.****Explanation**

You asked to display or list the objects of type *objtype*, with disposition (or dispositions) *disptype* and name *name*, with a filter condition, but no matching

objects were found that satisfied the condition.

**Severity**

0

**System action**

The current panel is redisplayed or the empty list panel is displayed.

**Operator response**

Check that you typed the name correctly.

If you are already displaying the named object when you receive this message, it indicates that the object has now been deleted.

**CSQO076I: No connections match name.**

**Explanation**

You asked to list connections with name *name*, but there were none.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO077I: No open handles for connection name match name.**

**Explanation**

You asked to list the open handles for the connection *name*, but no such handles were found.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO078I: No connections match name and filter condition.**

**Explanation**

You asked to list connections with name *name*, but there were none that satisfied the condition.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO079I: No open queues with disposition *disptype* match name and filter condition.****Explanation**

You asked to list the open queues with disposition (or dispositions) *disptype* and name *name* with a filter condition, but no matching objects were found that satisfied the condition.

**Severity**

0

**System action**

The empty list panel is displayed.

**CSQO085E: Error in pgm-name. TBCREATE table-name failed, return code = rc.****Explanation**

An attempt by *pgm-name* to call the ISPF TBCREATE service was unsuccessful. *table-name* is the name of the table that *pgm-name* was attempting to create.

**Severity**

12

**System action**

An internal error has occurred. The current panel is redisplayed. An ISPF message giving more details about the error might be shown first.

**System programmer response**

An internal error has occurred, note the message number and the values contained in it, together with any associated ISPF message, and contact your IBM support center to report the problem.

**CSQO086E: Error in pgm-name. TBDISPL *panel-name* failed, return code = rc.**

**Explanation**

An attempt by *pgm-name* to call the ISPF TBDISPL service was unsuccessful. *panel-name* is the name of the panel that *pgm-name* was attempting to display.

**Severity**

12

**System action**

The system is unable to display the panel, and the last panel is redisplayed (if applicable). An ISPF message giving more details about the error might be shown first.

**System programmer response**

If *rc*=12, the system is unable to find the panel. If you receive this message when you are trying to display the 'Main Menu' panel it could be that you do not have the data set containing the panels in your library concatenation. Find the name of the data set containing the panels, then check your ISPLIB library definitions. This will probably be in your TSO logon procedure unless you are calling CSQOEXX from a higher level exec or CLIST that has the ISPF LIBDEF calls in it.

If you are already using the panels when you get this message, either a panel is missing from your ISPLIB library, or an internal error has occurred. If you are unable to solve the problem, contact your IBM support center for assistance.

If *rc*=20, the most likely cause of the problem is that the system was unable to find the key-list which goes with the panel that it is trying to display. All the key lists are in an ISPF table (CSQOKEYS) that should be in a library in your ISPTLIB concatenation.

**CSQO087E: Error in pgm-name. SELECT program failed, return code = rc.**

**Explanation**

An attempt by *pgm-name* to call the ISPF SELECT service was unsuccessful. *program* is the name of the program that *pgm-name* was attempting to select.

**Severity**

12

**System action**

The current panel is redisplayed. An ISPF message giving more details about the error might be shown first.



## System programmer response

The system is unable to find a load module. Check your ISPLLIB library concatenation.

## CSQO088E: Error in pgm-name. DISPLAY *panel-name* failed, return code = rc.

### Explanation

An attempt by *pgm-name* to call the ISPF DISPLAY service was unsuccessful. *panel-name* is the name of the panel that *pgm-name* was attempting to display.

### Severity

12

### System action

The system is unable to display the panel, and the last panel is redisplayed (if applicable). An ISPF message giving more details about the error might be shown first.

## System programmer response

If *rc*=12, the system is unable to find the panel. If you receive this message when you are trying to display the 'Main Menu' panel it could be that you do not have the data set containing the panels in your library concatenation. Find the name of the data set containing the panels, then check your ISPLLIB library definitions. This will probably be in your TSO logon procedure unless you are calling CSQOEXX from a higher level exec or CLIST that has the ISPF LIBDEF calls in it.

If you are already using the panels when you get this message, either a panel is missing from your ISPLLIB library, or an internal error has occurred. If you are unable to solve the problem, contact your IBM support center for assistance.

If *rc*=20, the most likely cause of the problem is that the system was unable to find the key-list which goes with the panel that it is trying to display. All the key lists are in an ISPF table (CSQOKEYS) that should be in a library in your ISPTLIB concatenation.

## CSQO089E: Error in pgm-name. service failed, return code = rc.

### Explanation

An attempt by *pgm-name* to call the ISPF service (*service*) was unsuccessful.

### Severity

12

### **System action**

The current panel is redisplayed. An ISPF message giving more details about the error might be shown first.

### **System programmer response**

*service*=VDEFINE, VPUT, or TBADD

An internal error has occurred, note the message number and the values contained in it, and contact your IBM support center for assistance.

If *service* is anything else, note the message number and the values contained in it, together with any associated ISPF message, and contact your IBM support center to report the problem.

## **CSQO090E: Internal error in program. Action field is not valid.**

### **Explanation**

An internal error has occurred.

### **Severity**

12

### **System action**

The current panel is redisplayed.

### **System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

## **CSQO091E: Internal error in program. Object field is not valid.**

### **Explanation**

An internal error has occurred.

### **Severity**

12

### **System action**

The last panel is redisplayed.

### **System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved

- A description of the actions that lead to the problem

### **CSQO092E: Internal error in program. Error in reply translation.**

#### **Explanation**

An internal error has occurred.

#### **Severity**

12

#### **System action**

The last panel is redisplayed.

#### **System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

### **CSQO093E: Internal error in program. Command request is not valid.**

#### **Explanation**

An internal error has occurred.

#### **Severity**

12

#### **System action**

The last panel is redisplayed.

#### **System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

### **CSQO095E: Internal error in program. service failed, return code = rc.**

#### **Explanation**

An internal error has occurred.

**Severity**

12

**System action**

The last panel is redisplayed.

**System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the values of *program* and *service*
- The name of the panel involved
- A description of the actions that lead to the problem
- Any associated ISPF message shown

**CSQO096E: Internal error in program. att-name not in keyword table.****Explanation**

An internal error has occurred.

**Severity**

12

**System action**

The last panel is redisplayed.

**System programmer response**

Collect the following items, and contact your IBM support center:

- The number of the message, and the values of *program* and *att-name*
- The name of the panel involved
- A description of the actions that lead to the problem

**CSQO097E: Internal error in program. No handle for required system queue.****Explanation**

An internal error has occurred.

**Severity**

12

**System action**

The last panel is redisplayed.

## System programmer response

Collect the following items, and contact your IBM support center:

- The number of the message
- The name of the panel involved
- A description of the actions that lead to the problem

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## Buffer manager messages (CSQP...)

### CSQP001I: Buffer pool n has k buffers

#### Explanation

This message gives the number of buffers defined for the specified buffer pool.

It is sent in response to a DISPLAY USAGE command for page set information.

#### Severity

0

### CSQP002I: BUFFPOOL VALUE OUT OF RANGE

#### Explanation

One of the following commands has been issued incorrectly:

- DEFINE BUFFPOOL(n)
- ALTER BUFFPOOL(n)
- DELETE BUFFPOOL(n)
- DEFINE PSID(x) BUFFPOOL(n)

The value of n must be in the range 0 through 15.

#### Severity

8

#### System action

The command is ignored.

#### System programmer response

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command, and reissue the command correctly.

### CSQP003I: PSID VALUE OUT OF RANGE

#### Explanation

One of the following commands has been issued incorrectly:

- DEFINE PSID(x)
- ALTER PSID(x)

- DELETE PSID(x)

The value of x must be in the range 0 through 99.

### Severity

8

### System action

The command is ignored.

### System programmer response

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command, and reissue the command correctly.

## **CSQP004E: *csect-name* I/O ERROR STATUS *ret-code* PSID *psid* RBA *rba***

### Explanation

An I/O error has occurred. *ret-code* is the return code from the Media Manager, *psid* is the identifier of the page set for which the error occurred, and *rba* is the RBA (in hexadecimal) of the record on which the error occurred.

### Severity

8

### System action

The queue manager terminates abnormally.

### System programmer response

See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

## **CSQP005I: BUFFERS VALUE OUT OF RANGE**

### Explanation

One of the following commands has been issued incorrectly:

- DEFINE BUFFPOOL(n) BUFFERS(x)
- ALTER BUFFPOOL(n) BUFFERS(x)

The value of x must be in the range 100 through 500 000.

### Severity

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command correctly. The total number of buffers that it is possible to define in all the buffer pools is determined by the amount of storage available in the queue manager address space, and may be less than 500 000.

## **CSQP006I: LOG CHECKPOINT NAME *log-name* DOES NOT MATCH QUEUE MANAGER NAME *qmgr-name***

### **Explanation**

An attempt to restart with a log from another queue manager was detected. The name recorded in the log during checkpoint does not match the name of the queue manager using that log for restart.

### **Severity**

8

### **System action**

Restart is abnormally terminated with completion code X'5C6' and reason code X'00D70102'.

### **System programmer response**

Change the started task JCL procedure xxxxMSTR for the queue manager to name the appropriate bootstrap and log data sets.

## **CSQP007I: Page set x uses buffer pool n**

### **Explanation**

This message gives the buffer pool used by the specified page set.

It is sent in response to a DEFINE PSID(x) command.

### **Severity**

0

## **CSQP009I: PAGE RECOVERY STARTED FOR PAGE SET *psid* PAGE *page-number***

### **Explanation**

An incomplete update operation was detected for page *page-number* of page set *psid*. The page is being restored to a consistent state from information on the log.

Message CSQP010I will be issued when the page recovery operation has completed.

### Severity

0

## **CSQP010I: PAGE RECOVERY COMPLETE FOR PAGE SET *psid* PAGE *page-number***

### Explanation

An incomplete update operation was detected for page *page-number* of page set *psid*. The page has been restored to a consistent state from information on the log.

### Severity

0

## **CSQP011E: CONNECT ERROR STATUS *ret-code* FOR PAGE SET *psid***

### Explanation

An attempt to open a page set was unsuccessful. *psid* is the page set identifier and *ret-code* is the return code from the Data Facilities Product (DFP) CONNECT function.

This can occur during queue manager startup, where the most likely cause is that there is no DD statement for the page set included in the queue manager started task JCL, or in response to a DEFINE PSID command used to add a page set dynamically.

### Severity

8

### System action

If this occurs during queue manager startup, MQ attempts to dynamically allocate the page set and retry the open, on the assumption that the DD statement for the page set is missing. Messages following message CSQI010I at the end of restart indicate whether the dynamic page set allocation was successful, or whether such page sets still remain offline.

If the page set cannot be opened, the queue manager continues running, but you will be unable to access the data in that page set. You could encounter problems during restart, or when attempting to open a queue.

### System programmer response

If applicable, ensure that there is a DD statement for the page set included in the queue manager started task JCL.



If the page set cannot be opened, see the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

## **CSQP012I: DISCONNECT ERROR STATUS *ret-code* FOR PAGE SET *psid***

### **Explanation**

An attempt to close a page set was unsuccessful. *psid* is the page set identifier and *ret-code* is the return code from the Media Manager.

### **Severity**

8

### **System action**

Queue manager shutdown continues, but some information might be missing from the page set. This will be corrected from the log during restart.

### **System programmer response**

See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

## **CSQP013I: *csect-name* NEW EXTENT CREATED FOR PAGE SET *psid*. NEW EXTENT WILL NOW BE FORMATTED**

### **Explanation**

Page set *psid* has been successfully dynamically expanded by creating a new extent.

### **Severity**

0

### **System action**

The new extent is formatted; message CSQI031I will be issued when formatting completes successfully.

### **System programmer response**

The page set can only be expanded 123 times. After this you will have to reallocate the page set using larger primary and secondary extents. For information about how to do this, see the WebSphere MQ for z/OS System Setup Guide.

## **CSQP014I: *csect-name* EXPANSION FAILED FOR PAGE SET *psid*. FUTURE REQUESTS TO EXTEND IT WILL BE REJECTED**

### **Explanation**

An attempt to expand a page set dynamically was unsuccessful.

### **Severity**

8

### **System action**

Processing continues

### **System programmer response**

Look for messages from VSAM or DFP that explain why the request was unsuccessful, and do the required actions.

If you have received message IEC070I, and the *return code* (the first value in that message) is 203, an extend was attempted, but no secondary space allocation quantity was specified. If the value of *return code* was 204, an extend was attempted, but the maximum number of extents was reached. The maximum number of extents for a VSAM data set cataloged in an ICF catalog is between 119 and 123, depending upon the number of extents (1-5) allocated by DADSM per allocate/extend request.

If you believe that there is sufficient free space that could be used by another secondary extent, contact your IBM support center for assistance.

**Note:** DFP uses up to five non-contiguous areas of disk to satisfy the total space requirements of a primary or secondary extent. This means, in the worst case of badly fragmented disk space, that you might only get around 22 times the secondary space allocated before you reach the maximum space limit.

## **CSQP016I: *csect-name* PAGE SET *psid* HAS REACHED THE MAXIMUM NUMBER OF EXTENTS. IT CANNOT BE EXTENDED AGAIN**

### **Explanation**

An attempt to expand page set *psid* dynamically was unsuccessful because the maximum number of extents had been used.

### **Severity**

8

### **System action**

The page set cannot be extended again. When the messages on the full page set are retrieved, the existing space will be reused.

## System programmer response

Copy the page set to a new page set with larger primary and secondary extents. By defining the page set as a multivolume data set, you can take advantage of the free space on as many disk volumes as possible. See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for more information about page set organization and management.

### **CSQP017I: *csect-name* EXPANSION STARTED FOR PAGE SET *psid***

#### **Explanation**

Page set *psid* is being expanded dynamically, by creating a new extent.

#### **Severity**

0

#### **System action**

All threads that are currently adding message to page set *psid* are suspended until the page set expansion completes (this is indicated by message CSQP013I).

### **CSQP018I: *csect-name* CHECKPOINT STARTED FOR ALL BUFFER POOLS**

#### **Explanation**

A checkpoint is being taken for all defined buffer pools.

#### **Severity**

0

### **CSQP019I: *csect-name* CHECKPOINT COMPLETED FOR BUFFER POOL *n*, pages *PAGES* WRITTEN**

#### **Explanation**

A checkpoint has been successfully taken for buffer pool *n*.

#### **Severity**

0

### **CSQP020E: *csect-name* Buffer pool *n* is too small**

#### **Explanation**

Contention is taking place for buffers in a buffer pool. Messages will have to be read from and written to the page sets, which increases the time to process an application request and increases the amount of CPU time used.

## Severity

8

## System action

Processing continues.

## System programmer response

If required, use the ALTER BUFFPOOL command to add more buffers to the buffer pool. Consider first altering other buffer pools to reduce the total number of buffers in use. Refer to the latest CSQY220I message on the z/OS console to see how much virtual storage is free, and hence how many extra buffers may be safely added to a buffer pool. (If you do change the number of buffers in the buffer pool, you should also change the DEFINE BUFFPOOL commands in the CSQINP1 initialization input data set used by the queue manager, so that the changes remain in force when the queue manager is restarted.)

Alternatively, stop the queue manager as soon as possible and increase the number of buffers on the DEFINE BUFFPOOL commands in the CSQINP1 initialization input data set used by the queue manager, and restart the queue manager.

## **CSQP021I: Page set *psid* new media recovery RBA=*rcvry-rba*, checkpoint RBA=*chkpt-rba***

### Explanation

During checkpoint processing, buffers have been flushed from the buffer pools to the indicated page set, establishing a new media recovery RBA. This RBA is the point from which log data would be required to perform media recovery for the page set. It should be the same as the checkpoint RBA.

## Severity

0

## System action

Processing continues.

## System programmer response

If the media recovery and checkpoint RBAs differ, contact your IBM support center.

## **CSQP022I: Buffer pool *n* is not defined**

### Explanation

A command has been issued specifying a buffer pool that is not defined.

## Severity

8

**System action**

The command is ignored.

**System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command, and reissue the command correctly.

**CSQP023I: Request completed for buffer pool n, now has k buffers****Explanation**

The size of the specified buffer pool has been successfully changed.

**Severity**

0

**CSQP024I: Request initiated for buffer pool n****Explanation**

The request to change the buffer pool has been accepted. One of the messages CSQP023I, CSQP052I, or CSQP053I will be sent to the z/OS console when the change is complete,

**Severity**

0

**CSQP025I: Page set n is not defined or offline****Explanation**

A command has been issued specifying a page set that is not available to the queue manager.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command, and reissue the command correctly.

## **CSQP026I: Page set n is in use by a storage class**

### **Explanation**

The page set specified is referenced by a storage class, and so cannot be deleted.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Change or delete all the storage classes that reference the page set, and then reissue the command.

## **CSQP027I: Page set n has buffers in use**

### **Explanation**

The page set specified has buffers that are still in use, and so cannot be deleted.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Wait until three checkpoints have been completed, and then reissue the command.

## **CSQP028I: Request initiated for page set n**

### **Explanation**

The request to define or delete the page set has been accepted. Message CSQP042I or CSQP032I respectively will be sent to the z/OS console when the change is complete. If the change fails, messages CSQP041E or CSQP031E will be sent.

### **Severity**

0

## **CSQP030E: Deallocation failed for data set dsname, error status=eeeeiiii, SMS reason code=ssssssss**

### **Explanation**

An error occurred when trying to dynamically deallocate the page set data set. Error status is the error reason code returned by z/OS dynamic allocation.

### **Severity**

8

### **System action**

The page set is deleted and is no longer available for use.

### **System programmer response**

The error status portion of this message contains a 2-byte error code (*eeee*, S99ERROR) followed by the 2-byte information code (*iiii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *ssssssss* contains additional SMS reason code information obtained from S99ERSN. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

## **CSQP031E: Page set n deletion failed**

### **Explanation**

An error occurred while deleting the specified page set.

### **Severity**

8

### **System action**

Processing continues.

### **System programmer response**

See the preceding error messages for more information about the error.

## **CSQP032I: Page set n deletion completed**

### **Explanation**

The specified page set has been successfully deleted.

### **Severity**

0

## **CSQP033E: Error deleting page set n, error code=rrr**

### **Explanation**

An error occurred while deleting the specified page set.

### **Severity**

8

### **System action**

The page set is not deleted, and is still available for use.

### **System programmer response**

Note the error code and contact your IBM support center.

## **CSQP034E: Page set n is already defined**

### **Explanation**

The specified page set is already in use by the queue manager, and so cannot be dynamically defined.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command, and reissue the command correctly.

## **CSQP035E: Allocation failed for data set dsname, error status=eeeeiiii, SMS reason code=ssssssss**

### **Explanation**

An error occurred when trying to dynamically allocate the page set data set. Error status is the error reason code returned by z/OS dynamic allocation.

### **Severity**

8

### **System action**

The page set is not defined.



## System programmer response

The error status portion of this message contains a 2-byte error code (*eeee*, S99ERROR) followed by the 2-byte information code (*iiii*, S99INFO) from the SVC99 request block. If the S99ERROR code indicates an SMS allocation error ('97xx'), then *sssssss* contains additional SMS reason code information obtained from S99ERSN. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

## CSQP036I: Data set *dsname* for page set *n* is not formatted with RECOVER or REPLACE

### Explanation

The named page set data set was not formatted correctly. A data set that is to be used for adding a page set dynamically must be one that is newly formatted (using TYPE(RECOVER)), or one that has previously been used to hold messages and has been formatted using TYPE(REPLACE).

### Severity

8

### System action

The page set is not defined.

### System programmer response

Format the data set as required. If you are adding a previously unused page set to the queue manager, use the FORMAT function of the utility program CSQUTIL, specifying TYPE(RECOVER). If the page set was previously used to hold messages, use the FORMAT function specifying TYPE(REPLACE).

In the latter case, if the queue manager terminated abnormally, the formatting may fail, and message CSQU160E will be issued. It is not possible to add such a page set data set dynamically, but the page set can be brought into use again by including it in the started task JCL procedure xxxxMSTR for the queue manager, and then restarting the queue manager.

## CSQP037E: OPEN failed for page set *n*, VSAM return code=*rc* reason code=*reason*

### Explanation

A VSAM error occurred when trying to open the page set data set.

### Severity

8

### System action

The page set is not defined.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, reissue the request.

## **CSQP038E: GET failed for page set n, VSAM return code=rc reason code=reason**

### **Explanation**

A VSAM error occurred when trying to get a record from the page set data set.

### **Severity**

8

### **System action**

The page set is not defined.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, reissue the request.

## **CSQP039E: CLOSE failed for page set n, VSAM return code=rc reason code=reason**

### **Explanation**

A VSAM error occurred when trying to close the page set data set.

### **Severity**

8

### **System action**

The page set is not defined.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, reissue the request.

## **CSQP041E: Page set n definition failed**

### **Explanation**

An error occurred while defining the specified page set.

### **Severity**

8

**System action**

Processing continues.

**System programmer response**

See the preceding error messages for more information about the error.

**CSQP042I: Page set n definition completed****Explanation**

The specified page set has been successfully defined.

**Severity**

0

**CSQP043I: Buffer pool n is in use by a page set****Explanation**

The buffer pool specified is in use by a page set, and so cannot be deleted.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Change or delete all the page sets that reference the buffer pool, and then reissue the command.

**CSQP045I: Buffer pool n is not in use by any page set****Explanation**

The buffer pool specified is not in use by any page set, and so cannot have buffers added or removed.

**Severity**

8

**System action**

The command is ignored.

### **System programmer response**

Define at least one page set that references the buffer pool, and then reissue the command, or delete the buffer pool.

## **CSQP046I: Request already in progress for buffer pool n**

### **Explanation**

The buffer pool specified is being altered or deleted by another command.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Wait until the other command has completed processing, and then reissue the command if appropriate.

## **CSQP047E: Unavailable page sets can cause problems – take action to correct this situation**

### **Explanation**

One or more page sets are unavailable, as reported in the preceding messages; they are either offline having been used previously, not defined, or otherwise inaccessible. For example, MQ may have attempted to open a page set at restart, but failed perhaps because it was in use by another application.

This situation can cause problems, so you should take action to correct it as soon as possible.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Use the DISPLAY USAGE command to get a list of the unavailable page sets.

If a previously-used page set is required, bring it online; this can be done without stopping the queue manager. Use the FORMAT function of the utility program CSQUTIL, specifying TYPE(REPLACE). Then issue a DEFINE PSID command to bring the page set back into use. Note that all units of recovery (except those that are indoubt) that involved the offline page set will have been backed out by the

queue manager when the page set was last used. These indoubt units of recovery may be resolved once the page set is back in use by the queue manager.

If a page set is not required, issue a DELETE PSID command to remove it. Also remove any DEFINE PSID command for it from the CSQINP1 initialization input data set.

## **CSQP048E: PUT failed for page set n, VSAM return code=rc reason code=reason**

### **Explanation**

A VSAM error occurred when trying to get a record from the page set data set.

### **Severity**

8

### **System action**

The page set is not defined.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, reissue the request.

## **CSQP049I: Data set *dsname* is formatted for a different page set n**

### **Explanation**

The page set data set was formatted using TYPE(REPLACE), and as such may contain messages for a specific page set *n*. It cannot be added dynamically with a different page set identifier.

### **Severity**

8

### **System action**

The page set is not defined.

### **System programmer response**

Reissue the command specifying the correct data set and page set. If you intended adding a previously unused page set, reformat the data set with use the FORMAT function of the utility program CSQUTIL, specifying TYPE(RECOVER).

## **CSQP051I: Insufficient storage for buffer pool n request**

### **Explanation**

The size of the specified buffer pool has not been changed as requested because insufficient storage is available.

### **Severity**

4

### **System programmer response**

The DISPLAY USAGE command can be used to determine the current sizes of all buffer pools defined to the system. It may be possible to reduce the size of other buffer pools, so freeing storage, which can then be assigned to this buffer pool by reissuing the command.

## **CSQP052I: Request partially completed for buffer pool n, now has k buffers**

### **Explanation**

The size of the specified buffer pool has been changed. The number of buffers is not that requested because, for example, insufficient storage is available.

### **Severity**

4

## **CSQP053I: Request completed for buffer pool n, buffers not changed**

### **Explanation**

The size of the specified buffer pool has not been changed. This could be because the number of buffers requested was the same as the existing size, or because there was insufficient storage available to change the size (as shown by preceding message CSQP051I).

### **Severity**

0

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## **IMS adapter messages (CSQQ...)**

### **CSQQ000I: IMS/TM iiiii connected to queue manager qqqq**

#### **Explanation**

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has successfully connected to queue manager *qqqq*.

## Severity

0

## CSQQ001I: IMS/TM *iiii* not connected to queue manager *qqqq*. Notify message accepted

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has tried to connect to queue manager *qqqq* but the queue manager is not yet ready to make connections.

## Severity

0

### System action

The queue manager has accepted the notify message from IMS and when it is ready to make connections it will issue the z/OS command MODIFY IMS to cause IMS to attempt to make the connection again. IMS applications can not access MQ resources until the connection is made.

### Operator response

Look for other errors in MQ that might prevent it becoming ready, and notify the system programmer.

### System programmer response

Resolve any other MQ problems.

### Problem determination

You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- Queue manager job log
- PSW and registers at point of failure
- Copy of the IMS log

## CSQQ002E: IMS/TM *iiii* failed to connect to queue manager *qqqq*, MQRC=*mqrc*

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqrc* is the MQ reason code for the failure.

## Severity

12

## System action

The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

## Operator response

Notify the system programmer.

## System programmer response

Refer to API completion and reason codes for information about *mqrc* to determine the nature of the error.

## Problem determination

You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

## **CSQQ003E: IMS/TM *iiii* create thread failed while connecting to queue manager *qqqq*, MQRC=*mqrc***

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqrc* is the MQ reason code for the failure from the MQ create thread function.

## Severity

12

## System action

The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

## Operator response

Notify the system programmer.

## System programmer response

Refer to API completion and reason codes for information about *mqrc* to determine the cause of the problem.



## Problem determination

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

## CSQQ004E: IMS/TM *iiii* inquire indoubt failed while connecting to queue manager *qqqq*, MQRC=*mqrc*

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqrc* is the MQ reason code for the failure from the MQ inquire indoubt function.

### Severity

12

### System action

The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

### Operator response

Notify the system programmer.

### System programmer response

Refer to API completion and reason codes for information about *mqrc* to determine the nature of the error.

## Problem determination

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

## CSQQ005E: IMS/TM *iiii* establish exit failed while connecting to queue manager *qqqq*, MQRC=*mqrc*

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to queue manager *qqqq*. *mqrc* is the MQ reason code for the failure from MQ establish exit function.

### Severity

12

## System action

The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

## Operator response

Notify the system programmer.

## System programmer response

Refer to API completion and reason codes for information about *mqr*c to determine the cause of the error.

## Problem determination

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

## **CSQQ007E: IMS/TM iiii resolve indoubt failed while connecting to queue manager qqqq, MQRC=*mqr*c**

### Explanation

This message is produced at the IMS master terminal when the queue manager has failed to resolve indoubt units of recovery during the connection process. *mqr*c is the MQ reason code for the resolve in-doubt function failure.

### Severity

4

### System action

The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

### Operator response

Notify the system programmer.

### System programmer response

See the WebSphere MQ for z/OS System Setup Guide for information about resolving the MQ unit of recovery associated with the in-doubt IMS unit of work.

### Problem determination

You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- Queue manager job log

- IMS and MQ log records

## **CSQQ008I: *nn* units of recovery are still in doubt in queue manager *qqqq***

### **Explanation**

This message is produced at the IMS master terminal when the queue manager has units of recovery still in doubt after all the IMS units of work have been resolved.

### **Severity**

4

### **System action**

The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

### **Operator response**

Notify the system programmer.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt IMS unit of work.

### **Problem determination**

You might find the following items useful in resolving the problem:

- IMS and MQ log records

## **CSQQ010E: Error resolving unit of recovery *uuuu* (OASN *nnnn*) in queue manager *qqqq*, MQRC=*mqrc***

### **Explanation**

This message is produced at the IMS master terminal when the queue manager is unable to resolve an indoubt unit of recovery. *uuuu* is the unit of work identifier in the same format as the reply from the DISPLAY THREAD command. *nnnn* is the IMS OASN (origin application sequence number), in decimal format.

### **Severity**

4

### **System action**

The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

## Operator response

Notify the system programmer.

## System programmer response

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt IMS unit of work.

## Problem determination

You might find the following items useful in resolving the problem:

- IMS and MQ log records
- Queue manager job log

## CSQQ011E: IMS/TM *iiii* terminate identify failed for connection to queue manager *qqqq*, MQRC=*mqrc*

### Explanation

This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to disconnect from the queue manager *qqqq*. *mqrc* is the return code for the failure from the MQ terminate identify function.

### Severity

12

### System action

The IMS control region, and dependent regions are not connected to the queue manager. Any request from IMS applications for MQ resources will fail.

### Operator response

Notify the system programmer.

### System programmer response

Refer to API completion and reason codes for information about *mqrc* to determine the cause of the error.

### Problem determination

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Queue manager job log
- Copy of the IMS log

## **CSQQ013I: MQ commands cannot be issued using the /SSR command**

### **Explanation**

This message is produced at the IMS master terminal when the /SSR IMS command is used to issue an MQ command; MQ commands cannot be issued in this way.

### **Severity**

4

### **System action**

None

### **Operator response**

Issue the MQ command from the z/OS console.

## **CSQQ014E: Unit of recovery *uuuu* (OASN *nnnn*) was not committed in queue manager *qqqq***

### **Explanation**

This message is produced at the IMS master terminal when, following the abnormal termination of an application, the queue manager is unable to commit an indoubt unit of recovery as requested by IMS. *uuuu* is the unit of work identifier in the same format as the reply from the DISPLAY THREAD command. *nnnn* is the IMS OASN (origin application sequence number), in decimal format.

### **Severity**

4

### **System action**

The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

### **Operator response**

Notify the system programmer.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt IMS unit of work.

## Problem determination

You might find the following items useful in resolving the problem:

- IMS and MQ log records
- Queue manager job log

## CSQQ015E: Unit of recovery *uuuu* (OASN *nnnn*) was not backed out in queue manager *qqqq*

### Explanation

This message is produced at the IMS master terminal when, following the abnormal termination of an application, the queue manager is unable to back out an indoubt unit of recovery as requested by IMS. *uuuu* is the unit of work identifier in the same format as the reply from the DISPLAY THREAD command. *nnnn* is the IMS OASN (origin application sequence number), in decimal format.

### Severity

4

### System action

The IMS control region, and dependent regions are connected to the queue manager. IMS applications can access MQ resources.

### Operator response

Notify the system programmer.

### System programmer response

See the WebSphere MQ for z/OS System Administration Guide for information about resolving the MQ unit of recovery associated with the in-doubt IMS unit of work.

## Problem determination

You might find the following items useful in resolving the problem:

- IMS and MQ log records
- Queue manager job log

## CSQQ100I: *psb-name region-id* Processing queue manager name

### Explanation

This message identifies the queue manager that this instance of the IMS trigger monitor is connected to. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the initiation queue.

## Severity

0

### **CSQQ101E: psb-name *region-id* Cannot open the initiation queue, MQCC=*mqcc* MQRC=*mqrc***

#### **Explanation**

CSQQTRMN has attempted to open an initiation queue, but the attempt was unsuccessful (for example, because the queue was not defined). *mqcc* and *mqrc* give the reason for the problem. *region-id* is the last four digits of the region identifier, or blank.

#### **Severity**

8

#### **System action**

CSQQTRMN ends.

#### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*, determine the cause of the problem, and restart CSQQTRMN.

### **CSQQ102E: psb-name *region-id* An IMS dl1-function call returned pcb-status**

#### **Explanation**

A trigger message has been retrieved from the initiation queue which defines an IMS transaction to be started. However, the transaction cannot be started (for example, it cannot be found). *region-id* is the last four digits of the region identifier, or blank. *pcb-status* is the status code returned by IMS from the last *dl1-function* call.

#### **Severity**

4

#### **System action**

The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

#### **System programmer response**

See the *IMS/ESA® Application Programming: Data Communication* manual for information about *pcb-status*. Examine the trigger message on the dead-letter queue to find the IMS transaction name. Determine the reason for the problem, and restart the transaction.

## **CSQQ103E: psb-name *region-id* CSQQTRMN read a trigger message with an incorrect MQTM-Strucld of *struc-id***

### **Explanation**

A trigger message has been retrieved, but the structure identifier of the message is not MQTM\_STRUC\_ID and so is not compatible with this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

4

### **System action**

The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

### **System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

## **CSQQ104E: psb-name *region-id* CSQQTRMN does not support version version**

### **Explanation**

A trigger message has been retrieved, but the version identifier in MQTM is not version 1, and so is not compatible with this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

4

### **System action**

The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

### **System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.



## **CSQQ105E: psb-name *region-id* CSQQTRMN cannot start a process type of type**

### **Explanation**

A trigger message has been retrieved, but the process type in MQTM is not IMS, and so cannot be processed by this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

4

### **System action**

The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

### **System programmer response**

Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

## **CSQQ106E: psb-name *region-id* MQGET error, MQCC=*mqcc* MQRC=*mqrc*. CSQQTRMN will end**

### **Explanation**

An attempt to issue an MQGET call on the initiation queue has been unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem. Restart CSQQTRMN.

## **CSQQ107E: psb-name *region-id* Cannot connect to the queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt by the trigger monitor to connect to the queue manager identified in message CSQQ100I was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

## Severity

8

## System action

CSQQTRMN ends.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQQ108I: psb-name *region-id* LTERM lterm-name not available. Switched to MASTER**

### Explanation

The LTERM specified to receive diagnostic messages cannot be used.

### Severity

4

### System action

Messages are sent to the master terminal.

### System programmer response

Resolve why *lterm-name* was not available.

## **CSQQ109E: psb-name *region-id* MQCLOSE error, MQCC=*mqcc* MQRC=*mqrc***

### Explanation

An attempt has been made to close a dead-letter queue, but the MQCLOSE call was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

### Severity

8

### System action

CSQQTRMN ends.

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQQ110I: Queue name = *q-name***

### **Explanation**

This message follows other messages and identifies the name of the queue in question. The accompanying messages indicate the event or problem associated with the queue.

### **Severity**

0

## **CSQQ111E: *psb-name region-id* CSQQTRMN read a trigger message with an incorrect length of length**

### **Explanation**

This message is issued if the transaction CSQQTRMN receives a trigger message that does not match the MQTM control block. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

4

### **System action**

The message is sent to the dead-letter queue.

### **System programmer response**

Look at the message on the dead-letter queue to establish why it did not match MQTM.

## **CSQQ112E: *psb-name region-id* MQOPEN error, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQOPEN call has been unable to open a queue. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

### **Severity**

8

### **System action**

CSQQTRMN ends.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## CSQQ113I: *psb-name region-id* This message cannot be processed

### Explanation

When an attempt to process a message using an MQ API call was unsuccessful, an attempt was made to put the message on the dead-letter queue. This was also unsuccessful and the *message-id* has been sent to the LTERM. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQ118I, indicating the message identifier.

### Severity

0

### System action

Processing continues.

## System programmer response

Check for previous messages explaining why the dead-letter queue was not available (if a dead-letter queue has not been defined, no other messages relating to the problem will have been issued).

## CSQQ114E: *psb-name region-id* MQINQ error, MQCC=*mqcc* MQRC=*mqrc*

### Explanation

An attempt to use the **MQINQ** call to inquire about the attributes of a queue was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

### Severity

8

### System action

CSQQTRMN ends.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine why an **MQINQ** call could not be made on the queue.

## **CSQQ115I: psb-name *region-id* Ending following termination of queue manager connection**

### **Explanation**

CSQQTRMN has terminated because the connection to the queue manager is no longer available.

### **Severity**

0

## **CSQQ116E: psb-name *region-id* Cannot open the queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQOPEN call to the queue manager was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQQ117E: psb-name *region-id* Cannot query the queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQINQ call to the queue manager was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQQ118I: MsgID=*msg-id***

### **Explanation**

This message follows message CSQQ113I, indicating the hexadecimal identifier of the message that could not be processed.

### **Severity**

0

## **CSQQ119E: *psb-name region-id* Error *rc* from STORAGE OBTAIN**

### **Explanation**

CSQQTRMN tried to obtain storage, but received return code *rc* from z/OS.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Determine the reason for the return code from the STORAGE OBTAIN request, and restart CSQQTRMN.

## **CSQQ120E: *psb-name region-id* MQPUT error, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt was made to put a message on a queue with an MQPUT call, but the attempt was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine why an MQPUT call could not be made for the queue.

## **CSQQ121E: psb-name *region-id* Dead-letter queue is not defined for the queue manager**

### **Explanation**

A dead-letter queue has not been defined for the queue manager. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

4

### **System action**

The trigger message is discarded, and the process can not be started.

### **System programmer response**

Define a dead-letter queue if one is required.

## **CSQQ122E: psb-name *region-id* Cannot close the queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

CSQQTRMN was unable to close the queue manager after inquiring about the dead-letter queue. *region-id* is the last four digits of the region identifier, or blank.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem.

## **CSQQ123E: psb-name *region-id* The dead-letter queue type is not QLOCAL**

### **Explanation**

The dead-letter queue defined was not of type local. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

### **Severity**

4

### **System action**

The message is not put to the dead-letter queue.

### **System programmer response**

Define the dead-letter queue as a local queue.

## **CSQQ124E: psb-name *region-id* The dead-letter queue usage is not NORMAL**

### **Explanation**

The dead-letter queue defined is not of usage type normal. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

### **Severity**

4

### **System action**

The message is not put to the dead-letter queue.

### **System programmer response**

Define the dead-letter queue to have usage type normal.

## **CSQQ125E: psb-name *region-id* No initiation queue identified**

### **Explanation**

CSQQTRMN did not find the initiation queue name in the input parameters.

### **Severity**

8

### **System action**

CSQQTRMN ends.

### **System programmer response**

Examine the input parameters and look for other error messages to determine the reason for the failure. Restart CSQQTRMN.

## **CSQQ126E: psb-name *region-id* An IMS call call returned pcb-status**

### **Explanation**

A status code of *pcb-status* was returned from a DLI call.



**Severity**

8

**System action**

CSQQTRMN ends.

**System programmer response**

Determine the reason for the status code, and restart CSQQTRMN.

**CSQQ150I: *csect-name* IBM WebSphere MQ for z/OS version****Explanation**

This message is issued as part of the header to the report issued by the IMS trigger monitor program.

**Severity**

0

**CSQQ151I: *csect-name* Trigger Monitor Input Report – date time****Explanation**

This message is issued as part of the header to the report issued by the IMS trigger monitor program.

**Severity**

0

**CSQQ152I: *csect-name* Unable to OPEN CSQQUT1 data set****Explanation**

The IMS trigger monitor was unable to open the data set containing input control statements.

**Severity**

8

**System action**

Default values are used for the options.

**System programmer response**

Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

## **CSQQ153I: *csect-name* First token is not a valid keyword**

### **Explanation**

The input control statement does not start with a valid keyword.

### **Severity**

8

### **System action**

The statement is ignored.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement.

## **CSQQ159I: *csect-name* Trigger monitor options:**

### **Explanation**

The IMS trigger monitor has finished processing input control statements. The options that will be used follow.

### **Severity**

0

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## **Recovery manager messages (CSQR...)**

### **CSQR001I: RESTART INITIATED**

#### **Explanation**

This message delimits the beginning of the restart process within startup. The phases of restart are about to begin. These phases are necessary to restore the operational environment to that which existed at the time of the previous termination and to perform any recovery actions that might be necessary to return MQ-managed resources to a consistent state.

### **CSQR002I: RESTART COMPLETED**

#### **Explanation**

This message delimits the completion of the restart process within startup.

#### **System action**

Startup continues.

## **CSQR003I: RESTART – PRIOR CHECKPOINT RBA=*rba***

### **Explanation**

The message indicates the first phase of the restart process is in progress and identifies the log positioning RBA of the checkpoint from which the restart process will obtain its initial recovery information.

### **System action**

Restart processing continues.

## **CSQR004I: RESTART – UR COUNTS – IN COMMIT=*nnnn*, INDOUBT=*nnnn*, INFLIGHT=*nnnn*, IN BACKOUT=*nnnn***

### **Explanation**

This message indicates the completion of the first phase of the restart process. The counts indicate the number of units of recovery whose execution state during a previous queue manager termination was such that (to ensure MQ resource consistency) some recovery action must be performed during this restart process. The counts might provide an indication of the time required to perform the remaining two phases of restart (forward and backward recovery).

The IN COMMIT count specifies the number that had started, but not completed, phase-2 of the commit process. These must undergo forward recovery to complete the commit process.

The INDOUBT count specifies the number that were interrupted between phase-1 and phase-2 of the commit process. These must undergo forward recovery to ensure that resources modified by them are unavailable until their INDOUBT status is resolved.

The INFLIGHT count specifies the number that neither completed phase-1 of the commit process nor began the process of backing out. These must undergo backward recovery to restore resources modified by them to their previous consistent state.

The IN BACKOUT count specifies the number that were in the process of backing out. These must undergo backward recovery to restore resources modified by them to their previous consistent state.

### **System action**

Restart processing continues.

## **CSQR005I: RESTART – FORWARD RECOVERY COMPLETE – IN COMMIT=*nnnn*, INDOUBT=*nnnn***

### **Explanation**

The message indicates the completion of the forward recovery restart phase. The counts indicate the number of units of recovery whose recovery actions could not be completed during the phase. Typically, those in an IN COMMIT state remain

because the recovery actions of some subcomponents have not been completed. Those units of recovery in an INDOUBT state will remain until connection is made with the subsystem that acts as their commit coordinator.

### **System action**

Restart processing continues.

### **Operator response**

No action is required unless the conditions persist beyond some installation-defined period of time. Recovery action will be initiated when the resource is brought online. Indoubt resolution will be initiated as part of the process of reconnecting the subsystems.

## **CSQR006I: RESTART – BACKWARD RECOVERY COMPLETE – INFLIGHT=*nnnn*, IN BACKOUT=*nnnn***

### **Explanation**

The message indicates the completion of the backward recovery restart phase. The counts indicate the number of units of recovery whose recovery actions could not be completed during the phase. Typically, those in either state remain because the recovery actions of some subcomponents have not been completed.

### **System action**

Restart processing continues.

### **Operator response**

No action is required unless the condition persists beyond some installation-defined period of time. Recovery action will be initiated when the resource collection is brought online.

## **CSQR007I: UR STATUS**

### **Explanation**

This message precedes a table showing the status of units of recovery (URs) after each restart phase. The message and the table will accompany the CSQR004I, CSQR005I, or CSQR006I message after each nested phase. At the end of the first phase, it shows the status of any URs that require processing. At the end of the second (forward recovery) and third (backout) phases, it shows the status of only those URs which needed processing but were not processed. The table helps to identify the URs that were active when the queue manager stopped, and to determine the log scope required to restart.

The format of the table is:

T	CON-ID	THREAD-XREF	S	URID	TIME
---	--------	-------------	---	------	------

The columns contain the following information:

**T** Connection type. The values can be:

**B** Batch: From an application using a batch connection

- R RRS: From an RRS-coordinated application using a batch connection
- C CICS: From CICS
- I IMS: From IMS
- S System: From an internal function of the queue manager or from the channel initiator.

**CON-ID**

Connection identifier for related URs. Batch connections are not related to any other connection. Subsystem connections with the same identifier indicate URs that originated from the same subsystem.

**THREAD-XREF**

The recovery thread cross-reference identifier associated with the thread; see the WebSphere MQ for z/OS System Administration Guide for more information.

- S Restart status of the UR. When the queue manager stopped, the UR was in one of these situations:

- B INBACKOUT: the UR was in the 'must-complete' phase of backout, and is yet to be completed
- C INCOMMIT: the UR was in the 'must-complete' phase of commit, and is yet to be completed
- D INDOUBT: the UR had completed the first phase of commit, but MQ had not received the second phase instruction (the UR must be remembered so that it can be resolved when the owning subsystem reattaches)
- F INFLIGHT: the UR had not completed the first phase of commit, and will be backed out.

**URID** UR identifier, the log RBA of the beginning of this unit of recovery. It is the earliest RBA required to process the UR during restart.

**TIME** The time the UR was created, in the format *yyyy-mm-dd hh:mm:ss*. It is approximately the time of the first MQ API call of the application or the first MQ API call following a commit point.

**CSQR009E: NO STORAGE FOR UR STATUS TABLE, SIZE REQUESTED=xxxx, REASON CODE=yyyyyyyyy**

**Explanation**

There was not enough storage available during the creation of the recoverable UR (unit of recovery) display table.

**System action**

Restart continues but the status table is not displayed.

**System programmer response**

Increase the region size of the xxxxMSTR region before restarting the queue manager.

### **Problem determination**

The size requested is approximately 110 bytes for each unit of recovery (UR). See the message CSQR004I to determine the total number of URs to process. Use this value with the storage manager reason code from this message to determine the reason for the shortage. The reason codes are documented in "Storage manager codes (X'E2)" on page 873.

## **CSQR010E: ERROR IN UR STATUS TABLE SORT/TRANSLATE, ERROR LOCATION CODE=XXXX**

### **Explanation**

An internal error has occurred.

### **System action**

Restart continues but the status table is not displayed.

### **System programmer response**

Note the error code in the message and contact your IBM support center.

## **CSQR011E: ERROR IN UR STATUS TABLE DISPLAY, ERROR LOCATION CODE=XXXX**

### **Explanation**

An internal error has occurred.

### **System action**

Restart continues but the status table is not displayed.

### **System programmer response**

Note the error code in the message and contact your IBM support center.

## **CSQR015E: CONDITIONAL RESTART CHECKPOINT RBA *rba* NOT FOUND**

### **Explanation**

The checkpoint RBA in the conditional restart control record, which is deduced from the end RBA or LRSN value that was specified, is not available. This is probably because the log data sets available for use at restart do not include that end RBA or LRSN.

### **System action**

Restart ends abnormally with reason code X'00D99001' and the queue manager terminates.

## System programmer response

Run the change log inventory utility (CSQJU003) specifying an ENDRBA or ENDLRSN value on the CRESTART control statement that is in the log data sets that are to be used for restarting the queue manager.

## CSQR020I: OLD UOW FOUND

### Explanation

During restart, a unit of work was found that predates the oldest active log. Information about the unit of work is displayed in a table in the same format as in message CSQR007I.

### System action

Message CSQR021D is issued and the operator's reply is awaited.

### Operator response

The operator has two options:

- Commit the unit of work, by replying 'Y'.
- Continue, by replying 'N'. The unit of work will be handled by the normal restart recovery processing. Because the unit of work is old, this is likely to involve using the **archive** logs.

## CSQR021D: REPLY Y TO COMMIT OR N TO CONTINUE

### Explanation

An old unit of work was found, as indicated in the preceding CSQR020I message.

### System action

The queue manager waits for the operator's reply.

### Operator response

See message CSQR020I.

## CSQR022I: OLD UOW COMMITTED, URID=*urid*

### Explanation

This message is sent if the operator answers 'Y' to message CSQR021D.

### System action

The indicated unit of work is committed.

## **CSQR023I: OLD UOW UNCHANGED, URID=*urid***

### **Explanation**

This message is sent if the operator answers 'N' to message CSQR021D.

### **System action**

The indicated unit of work is left for handling by the normal restart recovery process.

## **CSQR026I: Long-running UOW shunted to RBA=*rba*, URID=*urid* connection name=*name***

### **Explanation**

During checkpoint processing, an uncommitted unit of recovery was encountered that has been active for at least 3 checkpoints. The associated log records have been rewritten ('shunted') to a later point in the log, at RBA *rba*. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

### **System action**

Processing continues.

### **System programmer response**

Uncommitted units of recovery can lead to difficulties later, so consult with the application programmer to determine if there is a problem that is preventing the unit of recovery from being committed, and to ensure that the application commits work frequently enough.

## **CSQR027I: Long-running UOW shunting failed, URID=*urid* connection name=*name***

### **Explanation**

During checkpoint processing, an uncommitted unit of recovery was encountered that has been active for at least 3 checkpoints. However, the associated log records could not be rewritten ('shunted') to a later point in the log. The unit of recovery identifier *urid* together with the connection name *name* identify the associated thread.

### **System action**

The unit of recovery is not shunted, and will not participate in any future log shunting.

### **System programmer response**

The most likely cause is insufficient active log data sets being available, in which case you should add more log data sets for the queue manager to use. Use the



DISPLAY LOG command or the print log map utility (CSQJU004) to determine how many log data sets there are and what their status is.

Uncommitted units of recovery can lead to difficulties later, so consult with the application programmer to determine if there is a problem that is preventing the unit of recovery from being committed, and to ensure that the application commits work frequently enough.

## **CSQR029I: INVALID RESPONSE – NOT Y OR N**

### **Explanation**

The operator did not respond correctly to the reply message CSQR021D. Either 'Y' or 'N' must be entered.

### **System action**

The original message is repeated.

### **Operator response**

Reply as indicated in the repeated message.

## **CSQR030I: Forward recovery log range from RBA=*from-rba* to RBA=*to-rba***

### **Explanation**

This indicates the log range that must be read to perform forward recovery during restart.

### **System action**

Restart processing continues.

## **CSQR031I: Reading log forwards, RBA=*rba***

### **Explanation**

This is issued periodically during restart recovery processing to show the progress of the forward recovery phase. The log range that needs to be read is shown in the preceding CSQR030I message.

### **System action**

Restart processing continues.

### **Operator response**

If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

## **CSQR032I: Backward recovery log range from RBA=*from-rba* to RBA=*to-rba***

### **Explanation**

This indicates the log range that must be read to perform backward recovery during restart.

### **System action**

Restart processing continues.

## **CSQR033I: Reading log backwards, RBA=*rba***

### **Explanation**

This is issued periodically during restart recovery processing to show the progress of the backward recovery phase. The log range that needs to be read is shown in the preceding CSQR032I message.

### **System action**

Restart processing continues.

### **Operator response**

If this message is issued repeatedly with the same RBA value, investigate the cause; for example, MQ might be waiting for a tape with an archive log data set to be mounted.

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## **(CSQT..)**

## **CSQT001I: *csect-name* Unable to allocate above the bar storage using IARV64, RC=*rc*, reason=*reason***

### **Explanation**

A request by the queue manager to allocate above the bar storage failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the z/OS IARV64 service.

### **Severity**

8

### **System action**

The queue manager terminates with completion code 5C6 and reason code 00A31000

### **System programmer response**

See the manual for information about the return code from the IARV64 request. If you are unable to solve the problem, contact your IBM support center.

## **CSQT002E: *csect-name* Unable to allocate the above bar storage, queue manager MEMLIMIT is 0**

### **Explanation**

A request by the queue manager to allocate above bar storage failed.

### **Severity**

8

### **System action**

The queue manager terminates with completion code 5C6 and reason code 00A31000.

### **System programmer response**

Change the started task JCL procedure xxxxMSTR for the queue manager.

## **CSQT806I: *csect-name* Queued Pub/Sub Daemon started**

### **Explanation**

Queued Pub/Sub Daemon started

### **Severity**

0

### **System action**

None

### **System programmer response**

None

## **CSQT807I: *csect-name* Queued Pub/Sub Daemon ended**

### **Explanation**

The Queued Pub/Sub Daemon has ended.

### **Severity**

0

### **User Response**

None

## **CSQT816E: csect-name Unable to open Queued Pub/Sub control queue, MQCC=mqcc MQRC=mqrc**

### **Explanation**

The Queued Pub/Sub control queue, SYSTEM.BROKER.CONTROL.QUEUE, failed to open with MQCC=mqcc and MQRC=mqrc. The most likely reasons for this error are that an application program has opened the control queue for exclusive access, or that the control queue has been defined incorrectly.

### **Severity**

0

### **User Response**

Correct the problem and restart the Queue Manager. The SYSTEM.BROKER.CONTROL.QUEUE and other queue definitions that the queued pub/sub interface require are defined in CSQINP2 sample CSQ4INSR.

## **CSQT817E: csect-name An invalid stream queue has been detected by the Queued Pub/Sub task**

### **Explanation**

A queue has attempted to be used as a stream queue, but the attributes of the queue make it unsuitable for use as a stream queue. The most likely reason for this error is that the queue is:

- Not a local queue.
- A shareable queue.
- A temporary dynamic queue.

The message that caused the stream to be created will be rejected or put to the dead-letter queue, depending upon the message report options and the Queue Manager configuration.

### **Severity**

8

### **User Response**

Correct the problem and resubmit the request.

## **CSQT818E: csect-name Unable to open Queued Pub/Sub stream, queue queue-name MQCC=mqcc MQRC=mqrc**

### **Explanation**

The queue manager has failed to open a stream queue (stream-queue-name). The attempt to open the queue failed with completion code mqcc and reason mqrc. The most likely reason for this error is that an application has the queue open for exclusive access. The stream will be temporarily shut down and an attempt will be made to restart the stream after a short interval.

### Severity

8

### User Response

Correct the problem

## **CSQT819E: csect-name Queued Pub/Sub stream stream-name ended abnormally, reason=mqrc**

### Explanation

The broker stream (stream-name) has ended abnormally for reason mqrc. The queue manager will attempt to restart the stream. If the stream should repeatedly fail then the broker will progressively increase the time between attempts to restart the stream.

### Severity

8

### User Response

Investigate why the problem occurred and take appropriate action to correct the problem. If the problem persists, save any generated output files and use the MQ Support site to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

## **CSQT820E: csect-name Queued Pub/Sub stream stream-name restarted**

### Explanation

The queue manager has restarted a stream that ended abnormally. This message will frequently be preceded by message AMQ5867 or AMQ5819 indicating why the stream ended.

### Severity

8

### User Response

Correct the problem.

## **CSQT821E: csect-name Unable to contact parent queue-manager-name, reason=reason**

### Explanation

A queue manager started specifying a parent queue manager. The queue manager has been unable to send a message to the parent queue manager (*queue-manager-name*) for reason *reason*. The queue manager will end immediately

## Severity

8

## User response

Investigate why the problem occurred and take appropriate action to correct the problem. The problem is likely to be caused by the parent name not resolving to the name of a transmission queue on the local queue manager

### **CSQT822E: *csect-name* Failed to register with parent *queue-manager-name*, reason *reason***

## Explanation

The queue manager has been started specifying a parent queue manager (*queue-manager-name*). The queue manager attempted to register as a child of the parent, but received an exception response indicating that it was not possible. The queue manager will retry to register periodically as a child. The child may not be able to process global publications or subscriptions correctly until this registration process has completed normally.

## Severity

8

## User response

Investigate why the problem occurred and take appropriate action to correct the problem. The problem is likely to be caused by the parent queue manager not yet existing or a problem with the transmission queue at the parent queue manager.

### **CSQT826E: *csect-name* Failed to propagate subscription**

## Explanation

The queue manager failed to propagate subscription to stream (*stream-name*) at queue manager (*queue-manager-name*) with reason code *rc*. An application has either registered or unregistered a global subscription to stream (*stream-name*). The queue manager has attempted to propagate the subscription change to the queue manager, but the request has not been successful. The message queue will immediately attempt to refresh the state of the global subscriptions for stream (*stream-name*) at queue manager (*queue-manager-name*). Until the subscription state has been successfully refreshed, messages published on the stream through the queue manager might not reach this queue manager.

## Severity

8

## User response

Investigate why the problem occurred and take appropriate action to correct the problem.

**CSQT827E: *csect-name* Queued Pub/Sub internal subscription failed. Stream *stream-name* to queue manager *queue-manager-name* reason=*reason* RC=*rc***

**Explanation**

The queue manager failed to subscribe to stream (*stream-name*) at queue manager (*queue-manager-name*) with reason code *rc*. Related queue managers learn about each others configuration by subscribing to information published by each other. A queue manager discovered that one of these internal subscriptions has failed. The queue manager will reissue the subscription immediately. The queue manager cannot function correctly without knowing some information about neighboring queue managers. The information that this broker has about queue manager (*queue-manager-name*) is not complete and this could lead to subscriptions and publications not being propagated around the network correctly.

**Severity**

8

**User response**

Investigate why the problem occurred and take appropriate action to correct the problem. The most likely cause of this failure is a problem with the transmission queue at the queue manager (*queue-manager-name*) or a problem with the definition of the route between this queue manager and queue manager (*queue-manager-name*)

**CSQT833E: *csect-name* A loop has been detected in the Pub/Sub hierarchy**

**Explanation**

The queue manager (*queue-manager-name*) introduced a loop in the Pub/Sub hierarchy. This queue manager will terminate immediately.

**Severity**

8

**User Response**

Remove queue manager (*queue-manager-name*) from the hierarchy, either by deleting the queue manager, or by removing knowledge of the queue manager's parent, using the `clrmqbrk` command.

**CSQT835E: *csect-name* Unable to inform parent *parent-name* of new relation *queue-manager-name*, reason=*mqrc***

**Explanation**

The queue manager failed to notify its parent queue manager (*parent-name*) of the relation (*queue-manager-name*) in the Pub/Sub hierarchy. The notification message will be put to the parent's dead-letter queue. A failure to notify a queue manager

of a new relation will mean that no loop detection can be performed for the new relation.

### **Severity**

8

### **User Response**

Diagnose and correct the problem on the parent queue manager. One possible reason for this is that the parent queue manager does not yet exist.

## **CSQT836E: csect-name Duplicate queue manager name queue-manager-name located in the Pub/Sub hierarchy**

### **Explanation**

Multiple instances of the queue manager name (queue-manager-name) have been located. This could either be the result of a previously resolved loop in the Pub/Sub hierarchy, or multiple queue managers in the Pub/Sub hierarchy having the same name.

### **Severity**

8

### **User Response**

If this queue manager introduced a loop in the hierarchy (typically identified by message AMQ5833), this message can be ignored. It is strongly recommended that every queue manager in a Pub/Sub hierarchy has a unique name. It is not recommended that multiple queue managers use the same name.

## **CSQT839E: csect-name Unexpected topology information received from queue manager queue-manager-name**

### **Explanation**

A queue manager has received an distributed publish/subscribe communication that it did not expect. The message was sent by queue manager (queue-manager-name). The message will be processed according to the report options in that message. The most likely reason for this message is that the queue manager topology has been changed while distributed publish/subscribe communication messages were in transit (for example, on a transmission queue) and that a message relating to the previous queue manager topology has arrived at a queue manager in the new topology. This message may be accompanied by an informational FFST™ including details of the unexpected communication.

### **Severity**

8



## User Response

If the queue manager topology has changed and the queue manager named in the message is no longer related to the queue manager issuing this message, this message can be ignored. If the `clrmqbrk` command was issued to unilaterally remove knowledge of queue manager (queue-manager-name) from this queue manager, the `clrmqbrk` command should also be used to remove knowledge of this queue manager from queue manager (queue-manager-name). If the `clrmqbrk` command was issued to unilaterally remove knowledge of this broker from queue manager (queue-manager-name), the `clrmqbrk` command should also be used to remove knowledge of queue manager (queue-manager-name) at this queue manager.

## CSQT844E: csect-name The relation with queue-manager-name is unknown

### Explanation

The `clrmqbrk` command has been issued in an attempt to remove a queue manager's knowledge of a relation of that queue manager. The relative (queue-manager-name) is unknown at queue manager (queue-manager-name). If the `"-p"` flag was specified, the queue manager does not currently have a parent. If the `"-c"` flag was specified, the queue manager does not recognize the named child.

### Severity

8

### User Response

Investigate why the queue manager is unknown.

## CSQT852E: csect-name Unable to propagate delete publication command, topic topic-name, stream stream-name, to queue manager queue-manager-name, reason=mqrc

### Explanation

The queue manager failed to propagate delete publication command for stream (stream-name) to related queue manager (queue-manager-name) for reason `mqrc`. When an application issues a delete publication command to delete a global publication, the command has to be propagated to all queue managers in the sub-hierarchy supporting the stream. The queue manager reporting the error has failed to forward a delete publication command to a related queue manager (queue-manager-name) who supports stream (stream-name). Delete publication commands are propagated without `MQRO_DISCARD_MSG` and the command message might have been written to a dead-letter queue. The topic for which the delete publication has failed is (topic-name).

### Severity

0

## User Response

If the delete publication has failed because the stream has been deleted at the related queue manager, this message can be ignored. Investigate why the delete publication has failed and take the appropriate action to recover the failed command.

### **CSQT853E: csect-name Unable to propagate delete publication command, topic topic-name, stream stream-name**

#### Explanation

The queue manager failed to propagate a delete publication command for stream (stream-name) to a previously related queue manager. When an application issues a delete publication command to delete a global publication, the command is propagated to all queue managers in the sub-hierarchy supporting the stream. The queue manager topology was changed after deleting the publication, but before a queue manager removed by the topology change processed the propagated delete publication message. The topic for which the delete publication has failed is (topic-name).

#### Severity

0

#### User Response

It is the user's responsibility to quiesce queue manager activity before changing the queue manager topology using the clrmqbrk command. Investigate why this delete publication activity was not quiesced. The delete publication command will have been written to the dead-letter queue at the queue manager that was removed from the topology. In this case, further action might be necessary to propagate the delete publication command that was not quiesced before the clrmqbrk command was issued. If this message occurs as a result of the dltnmqbrk command, the publication will have been deleted as a result of the dltnmqbrk command, and the delete publication message will have been written to the dead-letter queue at the queue manager where the queue manager was deleted. In this case the delete publication message on the dead-letter queue can be discarded.

### **CSQT854E: csect-name Unable to propagate delete publication command, topic topic-name, stream stream-name to queue manager queue-manager-name**

#### Explanation

When an application issues a delete publication command, the command has to be propagated to all queue managers in the sub-hierarchy supporting the stream. At the time the delete publication was propagated, queue manager (queue-manager-name) was a known relation of this message queue manager supporting stream (stream-name). Before the delete publication command arrived at the related queue manager, the queue manager topology was changed so that queue manager (queue-manager-name) no longer supported stream (stream-name). The topic for which the delete publication has failed is (topic-name).

## Severity

0

## User Response

It is the user's responsibility to quiesce queue manager activity before changing the stream topology of the queue manager. Investigate why this delete publication activity was not quiesced. The delete publication command will have been written to the dead-letter queue at queue manager (queue-manager-name).

## **CSQT855E: csect-name Queued Pub/Sub Daemon failed, reason=mqrc**

### Explanation

An attempt has been made to run the queue manager (queue-manager-name) but the queue manager has ended for reason 'mqrc'.

### Severity

0

### User Response

Determine why the Queued Pub/Sub Daemon ended. The message logs for the queue manager might contain more detailed information on why the queue manager cannot be started. Resolve the problem that is preventing the command from completing and reissue the strmqbrk command.

## **CSQT856E: csect-name Unable to process publish command message for stream-name, MQCC=mqcc MQRC=mqrc**

### Explanation

The Queued Pub/Sub Daemon failed to process a publish message for stream (stream-name). The Queue Manager was unable to write the publication to the dead-letter queue and was not permitted to discard the publication. The Queue Manager will temporarily stop the stream and will restart the stream and consequently retry the publication after a short interval.

### Severity

8

### User Response

Investigate why the error has occurred and why the publication cannot be written to the dead-letter queue. Either manually remove the publication from the stream queue, or correct the problem that is preventing the Queue Manager from writing the publication to the dead-letter queue,

## **CSQT857E: csect-name Unable to process control command message, reason=mqrc**

### **Explanation**

The Queued Pub/Sub Daemon failed to process a command message on the SYSTEM.BROKER.CONTROL.QUEUE. The queue manager was unable to write the command message to the dead-letter queue and was not permitted to discard the command message. The queue manager will temporarily stop the stream and will restart the stream and consequently retry the command message after a short interval. Other queue manager control commands cannot be processed until this command message has been processed successfully or removed from the control queue.

### **Severity**

8

### **User Response**

Investigate why the error has occurred and why the command message cannot be written to the dead-letter queue. Either, manually remove the command message from the stream queue, or correct the problem that is preventing the broker from writing the command message to the dead-letter queue.

## **CSQT858E: csect-name Unable to send publication to subscriber queue, queue queue-name, to queue manager queue-manager-name, reason=mqrc**

### **Explanation**

A failure has occurred sending a publication to subscriber queue (queue-name) at queue manager (queue-manager-name) for reason &1. The broker configuration options prevent it from recovering from this failure by discarding the publication or by sending it to the dead-letter queue. Instead the queue manager will back out the unit of work under which the publication is being sent and retry the failing command message a fixed number of times. If the problem still persists, the queue manager will then attempt to recover by failing the command message with a negative reply message. If the issuer of the command did not request negative replies, the queue manager will either discard or send to the dead-letter queue the failing command message. If the queue manager configuration options prevent this, the queue manager will restart the affected stream, which will reprocess the failing command message again. This behavior will be repeated until such time as the failure is resolved. During this time the stream will be unable to process further publications or subscriptions.

### **Severity**

8

### **User Response**

Usually the failure will be due to a transient resource problem, for example, the subscriber queue, or an intermediate transmission queue, becoming full. Use

reason code mqrc to determine what remedial action is required. If the problem persists for a long time, you will notice the stream being continually restarted by the queue manager. Evidence of this occurring will be a large number of CSQT820 messages, indicating stream restart, being written to the error logs. In such circumstances, manual intervention will be required to allow the queue manager to dispose of the failing publication. To do this, you will need to end the queue manager using the endmqbrk command and restart it with appropriate disposition options. This will allow the publication to be sent to the rest of the subscribers, while allowing the queue manager to discard or send to the dead-letter queue the publication that could not be sent.

## **CSQT859E: csect-name Queued Pub/Sub stream terminating, reason=mqrc**

### **Explanation**

The stream (stream-name) has run out of internal resources and will terminate with reason code mqrc. If the command in progress was being processed under syncpoint control, it will be backed out and retried when the stream is restarted by the queue manager. If the command was being processed out of syncpoint control, it will not be able to be retried when the stream is restarted.

### **Severity**

8

### **User Response**

This message should only be issued in very unusual circumstances. If this message is issued repeatedly for the same stream, and the stream is not especially large in terms of subscriptions, topics, and retained publications, save all generated diagnostic information and use either the WMQ Support site, or IBM Support Assistant (ISA) to see whether a solution is already available. If you are unable to find a match, contact your IBM support center.

## **CSQT864E: csect-name Unable to put a reply message, queue queue-name (queue manager qm-name) MQCC=mqcc MQRC=mqrc**

### **Explanation**

While processing a publish/subscribe command, the Queue Manager could not send a reply message to the queue at the Queue Manager for MQRC=mqrc. The Queue Manager was also unable to write the message to the dead-letter queue. Since the command is being processed under syncpoint control, the Queue Manager will attempt to retry the command in the hope that the problem is only of a transient nature. If, after a set number of retries, the reply message still could not be sent, the command message will be discarded if the report options allow it. If the command message cannot be discarded, the stream will be restarted, and processing of the command message recommenced.

### **Severity**

8

## User Response

Use reason code mqrc to determine what remedial action is required. If the failure is due to a resource problem (for example, a queue being full), you might find that the problem has already cleared itself. If not, this message will be issued repeatedly each time the command is retried. In this case you are strongly advised to define a dead-letter queue to receive the reply message so that the broker can process other commands while the problem is being investigated. Check the application from which the command originated and ensure that it is specifying its reply-to queue correctly.

## **CSQT866E: csect-name Queued Pub/Sub command message discarded. Reason mqrc**

### Explanation

The Queue Manager failed to process a publish/subscribe command message, which has now been discarded. The Queue Manager will begin to process new command messages again.

### Severity

8

### User Response

Look for previous error messages to indicate the problem with the command message. Correct the problem to prevent the failure from happening again.

## **CSQT875E: csect-name Unable to put message to the dead-letter-queue, reason=mqrc (DLH reason=mqrc)**

### Explanation

The queue manager attempted to put a message to the dead-letter queue (queue-name) but the message could not be written to the dead-letter queue for reason mqrc. The message was being written to the dead-letter-queue with a reason of mqrc.

### Severity

8

### User Response

Determine why the message cannot be written to the dead-letter-queue. Also, if the message was not deliberately written to the dead-letter-queue, for example by a channel exit, determine why the message was written to the dead-letter-queue and resolve the problem that is preventing the message from being sent to its destination.

## **CSQT876E: csect-name Parent conflict detected in Pub/Sub hierarchy with queue manager queue-manager-name**

### **Explanation**

The queue manager (queue-manager-name) has been started, naming this queue manager as its parent. This queue manager was started naming queue manager (queue-manager-name) as its parent. The queue manager will send an exception message to the queue manager (queue-manager-name) indicating that a conflict has been detected. The most likely reason for this message is that the queue manager topology has been changed while distributed publish/subscribe communication messages were in transit (for example, on a transmission queue) and that a message relating to the previous queue manager topology has arrived at a queue manager in the new topology. This message may be accompanied by an informational FFST including details of the unexpected communication.

### **Severity**

0

### **User Response**

If the queue manager topology has changed and the queue manager named in the message no longer identifies this queue manager as its parent, this message can be ignored - for example, if the command "clrmqbrk -m queue-manager-name -p" was issued. If queue manager (queue-manager-name) has been defined as this queue manager's parent, and this queue manager has been defined as queue manager (queue-manager-name)'s parent, the clrmqbrk or the dltnmqbrk commands should be used to resolve the conflict.

## **CSQT882E: csect-name Message written to the dead-letter queue, for reason mqrc**

### **Explanation**

The Queue Manager has written a message to the dead-letter queue for reason mqrc. Note. After the first occurrence of this message for stream (stream-name), it will only be written periodically.

### **Severity**

8

### **User Response**

Determine why the message was written to the dead-letter queue, and resolve the problem that is preventing the message from being sent to its destination.

## **CSQT883E: csect-name Queued Pub/Sub state not recorded**

### **Explanation**

The Queued Pub/Sub state on stream (stream-name) not recorded while processing a publication outside of syncpoint. A nonpersistent publication has requested a

change to either a retained message or a publisher registration. This publication is being processed outside of syncpoint because the queue manager has been configured with the SyncPointIfPersistent option set. A failure has occurred hardening either the publisher registration or the retained publication to the queue manager's local queue. All state changes attempted as a result of this publication will be backed-out. Processing of the publication will continue and the queue manager will attempt to deliver it to all subscribers.

### Severity

0

### User Response

Investigate why the failure occurred. It is probably due to a resource problem occurring on the queue manager. The most likely cause is 'queue full' on a queue. If your publications also carry state changes, you are advised to send them either as persistent publications or turn off the SyncPointIfPersistent option. In this way, they will be carried out under syncpoint and the queue manager can retry them in the event of a failure such as this.

## **CSQT884E: csect-name Queued Pub/Sub control queue is not a local queue**

### Explanation

The Queue Manager has detected that the queue 'SYSTEM.BROKER.CONTROL.QUEUE' exists and is not a local queue. This makes the queue unsuitable for use as the control queue. The Pub/Sub Daemon task will terminate immediately.

### Severity

8

### User Response

Delete the definition of the existing queue and, if required, re-create the queue to be of type MQQT\_LOCAL.

## **CSQT938E: *csect-name* Unable to make subscription, reason=mqrc, subscription name *sub-name*, topic *topic-string***

### Explanation

A failure occurred while attempting to create a subscription to topic string *topic-string* using the subscription name *sub-name*. The associated reason code is *mqrc*.

### Severity

8



## System programmer response

Refer to *API completion and reason codes* for information about MQRC to determine the cause of the problem and take appropriate action to rectify the problem

### **CSQT964I: csect-name Pub/Sub hierarchy relation connected, (queue manager qmgr-name)**

#### Explanation

A publish/subscribe hierarchy connection has been established with child or parent queue manager *qmgr-name*.

#### Severity

0

### **CSQT960I: csect-name Distributed Pub/Sub command processor stopped**

#### Explanation

The distributed Pub/Sub command processor stopped. This may be for one of three reasons:

- The Channel Initiator is stopping.
- The Channel Initiator is starting and the queues used by the distributed Pub/Sub command processor have not been defined because distributed Pub/Sub command processor is not required.
- An error has occurred

#### Severity

0

#### System action

Processing continues, but distributed Pub/Sub is not available.

#### System programmer response

If an error has occurred, investigate the problem reported in the preceding messages.

### **CSQT961I: csect-name Distributed Pub/Sub publication processor stopped**

#### Explanation

The distributed Pub/Sub command processor stopped. This may be for one of three reasons:

- The Channel Initiator is stopping.

- The Channel Initiator is starting and the queues used by the distributed Pub/Sub command processor have not been defined because distributed Pub/Sub command processor is not required.
- An error has occurred

### Severity

0

### System action

Processing continues, but distributed Pub/Sub is not available.

### System programmer response

If an error has occurred, investigate the problem reported in the preceding messages.

## **CSQT962I: csect-name Distributed Pub/Sub proxy-subscription fan out processor stopped**

### Explanation

The distributed Pub/Sub proxy-subscription stopped. This may be for one of three reasons:

- The Channel Initiator is stopping.
- The channel initiator is starting and the queues used by the distributed pub/sub proxy-subscription fan out processor have not been defined because distributed pub/sub proxy-subscription fan out processor is not required.
- An error has occurred

### Severity

0

### System action

Processing continues, but distributed Pub/Sub is not available.

### System programmer response

If an error has occurred, investigate the problem reported in the preceding messages.

## **CSQT963E: csect-name Queued pub/sub daemon unavailable**

### Explanation

The Distributed publish/subscribe process was unable to contact the Queued Pub/Sub Daemon. The problem will be reported in preceding messages.

### Severity

8

### **System action**

Hierarchical connections cannot be processed until the problem is rectified.

### **System programmer response**

Investigate the problem reported in the preceding messages. When the Daemon becomes available, it may be necessary to issue the REFRESH QMGR TYPE(PROXYSUB) command to resynchronize subscriptions.

## **CSQT964I: *csect-name* Pub/Sub hierarchy relation connected, (queue manager *qmgr-name*)**

### **Explanation**

A publish/subscribe hierarchy connection has been established with child or parent queue manager *qmgr-name*.

### **Severity**

0

## **CSQT965I: *csect-name* Pub/Sub hierarchy relation disconnected, (queue manager *qmgr-name*)**

### **Explanation**

A publish/subscribe hierarchy connection has ended with child or parent queue manager *qmgr-name*.

### **Severity**

0

## **CSQT966E: *csect-name* A previous publication is being incorrectly processed again**

### **Explanation**

A publication, previously processed by this queue manager, has been received.

This is caused by an invalid configuration of a hierarchy and a pub/sub cluster.

### **Severity**

8

### **System action**

This message will not be re-published and will be processed according to the message's report options. Additional messages may be written if this publication is sent to the dead-letter queue.

## System programmer response

Correct the configuration to remove the loop. Check the message properties in the dead-letter queue to determine the route taken.

### **CSQT967I: *csect-name* Distributed Pub/Sub non-durable cleanup completed**

#### **Explanation**

The Distributed publish/subscribe process has successfully completed the cleanup of proxy subscriptions which have been sent on behalf of non-durable subscriptions.

#### **Severity**

0

### **CSQT968I: *csect-name* Distributed Pub/Sub unable to persist successful clean shutdown, reason=*mqrc***

#### **Explanation**

The Distributed publish/subscribe process has successfully completed the cleanup of proxy subscriptions which have been sent on behalf of non-durable subscriptions.

#### **Severity**

0

#### **System Action**

When the queue manager restarts, the distributed publish/subscribe process will issue a resync of proxy subscriptions with all other directly connected queue managers in a hierarchy or publish/subscriber cluster.

### **CSQT969I *csect-name* Requests outstanding for distributed Pub/Sub on shutdown**

#### **Explanation**

Proxy subscription requests are still outstanding after the Distributed publish/subscribe process has successfully completed cleanup of proxy subscriptions which have been sent on behalf of non-durable subscriptions.

The request will not be processed

#### **Severity**

0

### System Action

When the queue manager restart, the distributed publish/subscribe process will issue a resync of proxy subscriptions with all other directly connected queue managers in a hierarchy or publish/subscriber cluster.

## **CSQT970I** *csect-name* **Distributed Pub/Sub unable to check request queue, reason=mqrc**

### Explanation

Following a successful cleanup of proxy subscriptions which have been sent on behalf of non-durable subscriptions, the Distributed publish/subscribe process is unable to check the request queue to determine if any proxy subscriptions requests are outstanding. The associated reason code is *mqrc*.

### Severity

0

### System Action

When the queue manager restart, the distributed publish/subscribe process will issue a resync of proxy subscriptions with all other directly connected queue managers in a hierarchy or publish/subscriber cluster.

## **CSQT971I** *csect-name* **distributed Pub/Sub non-durable cleanup failed to complete, reason=mqrc**

### Explanation

The Distributed publish/subscribe process was unable to successfully completed the cleanup of proxy subscriptions which have been sent on behalf of non-durable subscriptions. The associated reason code is *mqrc*.

### Severity

0

### System Action

When the queue manager restart, the distributed publish/subscribe process will issue a resync of proxy subscriptions with all other directly connected queue managers in a hierarchy or publish/subscriber cluster.

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## Utilities messages (CSQU...)

### **CSQU000I:** *csect-name* **IBM WebSphere MQ for z/OS version**

#### Explanation

This is part of the header to the report issued by the utility program.

## **CSQU001I: *csect-name* Queue Manager Utility – date time**

### **Explanation**

This is part of the header to the report issued by the utility program.

### **System action**

The message is followed by a copy of the function statements from the SYSIN data set.

## **CSQU002E: Unable to get storage of size n bytes, return code=*ret-code***

### **Explanation**

An attempt to obtain some storage failed.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE or GETMAIN request.

## **CSQU003E: Unable to free storage at address, return code=*ret-code***

### **Explanation**

An attempt to release storage at address *address* back to the system failed.

### **System action**

The program usually ignores the error and continues with its function.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE or FREEMAIN request.

## **CSQU005I: COMMIT successfully completed**

### **Explanation**

An MQCMIT call returned a completion code of MQCC\_OK.

## **CSQU006I: BACKOUT successfully completed**

### **Explanation**

An MQBACK call returned a completion code of MQCC\_OK.

**System action**

The function is terminated.

**System programmer response**

Investigate the error that caused the backout to be done.

**CSQU007E: MQCMIT failed. MQCC=*mqcc* MQRC=*mqrc*****Explanation**

The utility program was unable to commit the last set of changes.

**System action**

The updates are backed out, and the function is terminated.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

**CSQU008E: MQBACK failed. MQCC=*mqcc* MQRC=*mqrc*****Explanation**

The utility program was unable to back out the last set of changes.

**System action**

None, the function is already being terminated because of the error that led to attempting the backout.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

**CSQU009E: MQCONN failed for conn-id. MQCC=*mqcc*  
MQRC=*mqrc*****Explanation**

An attempt to connect to a queue manager or queue-sharing group named *conn-id* was unsuccessful.

**System action**

The requested function is not performed.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## **CSQU010E: MQDISC failed for conn-id. MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt to disconnect from a queue manager or queue-sharing group named *conn-id* was unsuccessful.

### **System action**

The utility program terminates. (This is not an error, because the disconnection request is the last function that the utility program processes.)

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU011I: Commands from CSQINPX – date time**

### **Explanation**

This follows message CSQU000I as part of the header to the messages that indicate the progress of the utility program.

It is produced when the utility is invoked by distributed queuing to handle the CSQINPX data set.

## **CSQU012I: Initialization command handling completed**

### **Explanation**

The initialization command handler, which processes the CSQINPX command data set, completed successfully.

## **CSQU013E: Initialization command handling failed, RC=*return-code***

### **Explanation**

The initialization command handler, which processes the CSQINPX command data set, did not complete successfully. *return-code* shows the type of error:

00000008

Some or all of the commands were not processed.

0000000C

Severe error; this is most likely because the CSQINPX or CSQOUTX data sets are defined erroneously.

### **System action**

The initialization command handler ends, but the channel initiator continues.



## System programmer response

Refer to the CSQOUTX data set and to the preceding messages for more information about the error.

See the WebSphere MQ for z/OS System Setup Guide for information about the initialization command handler and the CSQINPX or CSQOUTX data sets, and the WebSphere MQ for z/OS System Administration Guide for information about the COMMAND statement.

## CSQU020E: Unable to OPEN *ddname* data set

### Explanation

The program was unable to open data set *ddname*.

### System action

If the SYSPRINT or SYSIN data sets cannot be opened, the utility program terminates. For other data sets, the function requesting them is not performed.

### System programmer response

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

## CSQU023E: Unable to CLOSE *ddname* data set

### Explanation

The input data set *ddname* is still open after a request was made to close it.

### System action

The program continues with its termination procedures.

### System programmer response

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

## CSQU030E: Page *nn* in data set *ddname* is invalid

### Explanation

The utility program encountered a page that is invalid in the page set data set *ddname*. If the page number is 0, it might be that the data set is not the page set that is implied by *ddname*.

### System action

The function is terminated.

### **System programmer response**

Check that the page set has not been corrupted, and that the page set number corresponds to the DDname.

## **CSQU031E: Queue *q-name* with disposition QMGR or COPY does not exist**

### **Explanation**

The specified queue does not exist with disposition QMGR or COPY. (There might be such a queue with disposition SHARED, but the SCOPY function does not operate on shared queues.)

### **System action**

The function is terminated.

### **System programmer response**

Check the queue name that was specified.

## **CSQU032E: Page set *psid* is invalid**

### **Explanation**

The utility program encountered a page set that is invalid. The page set is in an inconsistent state and so the standalone utility functions cannot process it.

### **System action**

The function is terminated.

### **System programmer response**

This may be the result of performing a fuzzy backup (as described in the WebSphere MQ for z/OS System Administration Guide) or because the queue manager terminated abnormally. Restart the queue manager and then terminate it normally.

## **CSQU036E: Utility not available – restricted functionality**

### **Explanation**

The utility cannot operate because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The utility is terminated.

## **CSQU040E: Unable to GET from *ddname* data set**

### **Explanation**

The program was unable to read a record from the *ddname* data set.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

## **CSQU043E: Unable to PUT to *ddname* data set**

### **Explanation**

The program was unable to write the next record to the *ddname* data set. Either the data set was not opened, or there was a QSAM error.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

## **CSQU044I: Commands made for *qmgr-name* only, not for other queue managers**

### **Explanation**

Some of the DISPLAY object commands for the COMMAND function with MAKEDEF, MAKEREP, MAKEALT, or MAKEDEL used the CMDSCOPE option, and so information about objects for queue managers other than the target queue manager *qmgr-name* was received. Commands are not generated for such objects.

### **System programmer response**

Avoid using CMDSCOPE in conjunction with the MAKEDEF, MAKEREP, MAKEALT, or MAKEDEL options. Use a separate COMMAND function for each target queue manager, with separate data sets for each set of generated commands.

## **CSQU045I: n data records read**

### **Explanation**

This indicates how many data records were read from the input data set specified by the DATA keyword for the current function.

## **CSQU046I: making client channel definitions in *ddname* data set using CCSID *ccsid***

### **Explanation**

This indicates that the COMMAND function will build client channel definitions in data set *ddname*, and that the data will have a coded character set identifier of *ccsid*.

## **CSQU047E: Unable to convert data for client channel definitions. MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

When building a client channel definition file, data for a channel or authentication information object could not be converted from the character set used by the queue manager to that requested by the CCSID keyword.

### **System action**

The channel or authentication information definition is not built.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## **CSQU048I: n authentication objects included, m excluded**

### **Explanation**

This indicates, for the current function, how many sets of authentication information were included in the client channel definition file, and how many were excluded. Authentication information may be excluded because:

- the LDAPUSER and LDPAPWD attributes are not blank
- there are too many sets of information
- there was a data conversion error.

### **System programmer response**

If some information was excluded, check that the authentication information objects were selected correctly.

## **CSQU049I: n client channel definitions made**

### **Explanation**

This indicates how many client channel definitions were made by the current function.

## **CSQU050E: Command of length length is too long. Command rejected**

### **Explanation**

In the COMMAND function, the assembled command had more than 32 762 characters.

### **System action**

The command is ignored, and no more commands are processed.

### **System programmer response**

Check that the command is correctly formed according to the concatenation rules described in the WebSphere MQ for z/OS System Administration Guide.

## **CSQU051E: Command responses not received after n seconds**

### **Explanation**

In the COMMAND function, get processing for a response was timed out whilst more responses were expected.

### **System action**

The next command will be processed, unless there have been too many timeouts.

### **System programmer response**

Increase the value of RESPTIME, especially if the command is being sent to a remote queue manager, and check the remote queue definitions.

If the problem persists, check the definitions of the system-command input queue and the system-command reply queue; ensure that they are enabled for MQGET and MQPUT. If the definitions are correct, stop and restart the command server.

## **CSQU052E: Too many timeouts**

### **Explanation**

In the COMMAND function, get processing for a response timed out four times.

### **System action**

No more commands are processed.

### **System programmer response**

See message CSQU051E.

## **CSQU053I: DISPLAY command response not recognized**

### **Explanation**

In the COMMAND function, the responses to a DISPLAY command were not as expected.

### **System action**

The DISPLAY command response is shown as is, rather than being formatted. The next command is processed.

### **System programmer response**

Contact your IBM support center to report the problem.

## **CSQU054I: Executing function for object type objtyp**

### **Explanation**

The utility program is executing function *function* to process objects of the type indicated.

## **CSQU055I: Target queue manager is *qmgr-name***

### **Explanation**

This indicates which queue manager your commands are directed to.

## **CSQU056I: Making commands in *ddname* data set**

### **Explanation**

This indicates that commands for the COMMAND function with MAKEDEF, MAKEREP, MAKEALT, or MAKEDEL, or for the SDEFS function will be built in data set *ddname*.

## **CSQU057I: n commands read**

### **Explanation**

This indicates how many commands were read from the command input data set by the current function.

## **CSQU058I: n commands issued and responses received, m failed**

### **Explanation**

This indicates, for the current function, how many commands were sent and produced responses, and how many of these did not execute successfully.

## **CSQU059I: n *cmd* commands made**

### **Explanation**

This indicates how many commands (called *cmd*) were made for the current function.

## **CSQU060E: Incorrect length data record. n bytes found, exp-length bytes expected**

### **Explanation**

In the LOAD function, the utility program encountered a record with the wrong length while reading from the input data set. The record was of length *length* instead of *exp-length*.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Check that the data set was created by the COPY function and is not corrupted.

## **CSQU061E: Unexpected end-of-data on *ddname* data set. Data record missing**

### **Explanation**

The end-of-data was indicated when the LOAD function was expecting a data record.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Check that the data set was created by the COPY function, and is not corrupted.

## **CSQU062E: Incorrect format data record**

### **Explanation**

In the LOAD function, the utility program encountered a record that it does not recognize while reading from the input data set.

### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Check that the data set was created by the COPY function, and is not corrupted.

## CSQU070I: Command processing stopped

### Explanation

In the COMMAND function, with FAILURE(STOP) specified, a command did not execute successfully.

### System action

No more commands are processed.

## CSQU071E: Incomplete command

### Explanation

In the COMMAND function, end of data on the input data set was reached before the building of a command was complete.

### System action

The command is ignored. There are no more commands to process.

### System programmer response

Check that the command is correctly formed according to the concatenation rules described in the WebSphere MQ for z/OS System Administration Guide.

## CSQU080E: MQCLOSE failed for queue q-name. MQCC=*mqcc* MQRC=*mqrc*

### Explanation

The MQCLOSE call for *q-name* was unsuccessful. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.

### System action

The function is terminated.

### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## CSQU082E: MQGET failed for queue q-name. MQCC=*mqcc* MQRC=*mqrc*

### Explanation

The MQGET call for *q-name* was unsuccessful.



### **System action**

The function is terminated, and any queue updates are backed out.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## **CSQU083E: MQOPEN failed for queue q-name. MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The MQOPEN call for *q-name* was unsuccessful. If the queue is a model queue, the requested dynamic queue name is appended in parentheses. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.

### **System action**

The function is terminated, and all queue updates are backed out.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## **CSQU085E: MQPUT failed for queue q-name. MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The MQPUT call for *q-name* was unsuccessful. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.

### **System action**

The function is terminated, and all queue updates are backed out.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Resubmit the job if required.

## **CSQU087I: MAXUMSGS reached. A syncpoint has been forced**

### **Explanation**

Because MAXUMSGS was reached, a syncpoint was taken which commits the queue changes made so far.

### **System action**

The function continues, but no further functions will be processed.

### **System programmer response**

None, unless the function fails for some reason after this message. In that case, note that some queue changes will have been committed, and you should make appropriate adjustments before rerunning the job.

## **CSQU090E: OPEN failed for *ddname* data set. VSAM return code=*rc* reason code=*reason***

### **Explanation**

The utility program received a VSAM OPEN error for the page set it was attempting to process (pointed to by *ddname*).

### **System action**

The page set is not processed.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.

## **CSQU091E: *ddname* data set is non-empty. Page set not formatted**

### **Explanation**

Data set *ddname* was opened, but it is not empty.

### **System action**

The page set is not formatted.

### **System programmer response**

Ensure that the data sets specified are empty, and resubmit the job if necessary.

## **CSQU092I: function completed for *ddname* data set**

### **Explanation**

Processing of *ddname* data set for function *function* has completed.

### **System action**

Processing continues with the next page set.

## **CSQU093E: PUT failed for *ddname* data set. VSAM return code=rc reason code=code**

### **Explanation**

The utility program received a VSAM PUT error for the page set it was attempting to process (pointed to by *ddname*).

### **System action**

Processing for the page set is terminated, and the function continues with the next page set.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.

## **CSQU094E: CLOSE failed for *ddname* data set. VSAM return code=rc reason code=reason**

### **Explanation**

The utility program received a VSAM CLOSE error for the page set it was attempting to process (pointed to by *ddname*).

### **System action**

Processing for the page set is terminated, and the function continues with the next page set.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.

## **CSQU095E: No page sets identified. function terminated**

### **Explanation**

A request to format or reset a page set was unsuccessful because there were no page set data sets with DD names in the range CSQP0000 through CSQP0099.

### **System action**

Processing is terminated.

### **System programmer response**

Add DD statements for the required page set data sets, and resubmit the job.

## **CSQU100E: *ddname* DD statement missing**

### **Explanation**

Data set *ddname* does not have a DD statement in the JCL.

### **System action**

The utility is terminated.

### **System programmer response**

Add the required statement to the JCL, and resubmit the job.

## **CSQU101E: DD statement missing for page set *psid***

### **Explanation**

A page set is referenced, but there is no DD statement for it in the JCL. The DD name required is CSQP00*nn*, where *nn* is the page set number.

### **System action**

The utility is terminated.

### **System programmer response**

Add the required statement to the JCL, and resubmit the job.

## **CSQU102E: No functions requested**

### **Explanation**

There are no function statements in the SYSIN data set.

### **System action**

The utility is terminated.

## **CSQU103E: Either keyword *keyword1* or *keyword2* must be specified**

### **Explanation**

The statement syntax is incorrect because it requires that one of the keywords *keyword1* or *keyword2* be specified, but not both.

### **System action**

The utility is terminated.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax required for the statement, and resubmit the job.

## **CSQU104E: Invalid value value for keyword keyword**

### **Explanation**

The statement syntax is incorrect because the value given for keyword *keyword* is not valid.

### **System action**

The utility is terminated.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

## **CSQU105E: Incompatible keywords or values for function function**

### **Explanation**

The statement syntax is incorrect because a keyword or its value that is specified conflicts with another keyword or its value.

### **System action**

The utility is terminated.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

## **CSQU106E: Invalid function function**

### **Explanation**

The statement syntax is incorrect because the function *function* is not recognized.

### **System action**

The utility is terminated.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for a list of valid functions, and resubmit the job.

## CSQU107E: Invalid function statement syntax

### Explanation

The syntax of the *function* statement is incorrect:

- there are too many keywords or values
- required keywords are missing
- it cannot be parsed.

### System action

The utility is terminated.

### System programmer response

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

## CSQU108E: Value missing for keyword keyword

### Explanation

Keyword *keyword* should be followed by a value, but the value is missing.

### System action

The utility is terminated.

### System programmer response

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

## CSQU109E: Value not allowed for keyword keyword

### Explanation

Keyword *keyword* should not be followed by a value, but a value is specified.

### System action

The utility is terminated.

### System programmer response

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

## CSQU110E: Required keyword missing for keyword keyword

### Explanation

The statement syntax is incorrect because keyword *keyword* can be specified only if some other keyword is also specified, but that other keyword is missing.

**System action**

The utility is terminated.

**System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax required for the statement, and resubmit the job.

**CSQU111E: Invalid keyword keyword for function function****Explanation**

The statement syntax is incorrect because the keyword *keyword* is not valid for function *function*.

**System action**

The utility is terminated.

**System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about the correct syntax required for the statement, and resubmit the job.

**CSQU112E: Incomplete statement****Explanation**

End of data on the input data set was reached before the building of a statement was complete.

**System action**

The utility is terminated.

**System programmer response**

Check that the statement is correctly formed according to the concatenation rules described in the WebSphere MQ for z/OS System Administration Guide.

**CSQU113E: Too many statement continuations****Explanation**

The statement has more than 10 continuations.

**System action**

The utility is terminated.

### **System programmer response**

Check that the statement is correctly formed according to the concatenation rules described in the WebSphere MQ for z/OS System Administration Guide.

## **CSQU114E: Keyword keyword repeated**

### **Explanation**

The statement syntax is incorrect because a keyword is repeated.

### **System action**

The utility program is terminated.

### **System programmer response**

Check the syntax in the input data set. See the WebSphere MQ for z/OS System Administration Guide for further information about the utility program.

## **CSQU115E: Unable to find queues for page set *psid* – command responses not received**

### **Explanation**

In the COPY or EMPTY function, the queue manager could not determine which queues are in page set *psid* because the response to a command was not received in time.

### **System action**

The function is terminated.

### **System programmer response**

Check the definitions of the system-command input queue and the system-command reply queue; ensure that they are enabled for MQGET and MQPUT. If the definitions are correct, stop and restart the command server.

## **CSQU116I: No storage classes found for page set *psid***

### **Explanation**

The page set specified has no storage classes associated with it.

### **System action**

The function is terminated.

### **System programmer response**

Define a storage class for the page set, and rerun the job if required.



## **CSQU117I: No queues found for page set *psid***

### **Explanation**

The page set specified has no queues associated with it that are eligible for the requested function. For the COPY and EMPTY functions, there are no local queues; for the SCOPY function, there are no local queues with messages.

### **System action**

The function is terminated.

### **System programmer response**

If required, correct the page set specified, and rerun the job.

## **CSQU120I: Connecting to conn-id**

### **Explanation**

The utility program is connecting to the named queue manager or queue-sharing group.

## **CSQU121I: Connected to queue manager *qmgr-name***

### **Explanation**

The utility program connected successfully to queue manager *qmgr-name*.

## **CSQU122I: Executing function-name**

### **Explanation**

The utility program is executing function *function-name*.

## **CSQU123I: Processing *ddname* data set, mode FORCE**

### **Explanation**

The current function of the utility program is handling data set *ddname* using the FORCE option.

## **CSQU124I: Processing *ddname* data set**

### **Explanation**

The current function of the utility program is handling data set *ddname*.

## **CSQU125I: n page sets attempted**

### **Explanation**

This indicates how many page sets the current function attempted to process.

## **CSQU126I: n page sets processed successfully**

### **Explanation**

This indicates how many page sets were processed successfully by the current function.

## **CSQU127I: Executing function using input from *ddname* data set**

### **Explanation**

The utility program is executing function *function* using input from *ddname*.

## **CSQU128I: Executing function outputting to *ddname* data set**

### **Explanation**

The utility program is executing function *function*, and is writing the output to *ddname*.

## **CSQU129I: Copying page set *psid***

### **Explanation**

The utility program is copying page set *psid*.

## **CSQU130I: Copying queue *q-name***

### **Explanation**

The utility program is copying queue *q-name*.

## **CSQU131I: n messages copied successfully**

### **Explanation**

This indicates how many messages were copied successfully when copying a queue.

## **CSQU133I: n queues attempted**

### **Explanation**

This indicates how many queues the program attempted to copy while copying a page set.

## **CSQU134I: n queues copied successfully**

### **Explanation**

This indicates how many queues were copied successfully while copying a page set.

### **CSQU135I: Loading queue *q-name***

#### **Explanation**

The utility program is loading queue *q-name*.

### **CSQU136I: n messages loaded successfully**

#### **Explanation**

This indicates how many messages were loaded onto a queue.

### **CSQU138I: n queues loaded successfully**

#### **Explanation**

This indicates how many queues were loaded successfully.

### **CSQU139I: Emptying page set *psid***

#### **Explanation**

The utility program is emptying page set *psid*.

### **CSQU140I: Emptying queue *q-name***

#### **Explanation**

The utility program is emptying queue *q-name*.

### **CSQU141I: n messages deleted successfully**

#### **Explanation**

This indicates how many messages were deleted while emptying a queue.

### **CSQU142I: n queues emptied successfully**

#### **Explanation**

This indicates how many queues were emptied.

### **CSQU143I: n function statements attempted**

#### **Explanation**

This indicates the number of *function* statements attempted by the utility program.

## **CSQU144I: n function statements executed successfully**

### **Explanation**

This indicates the number of *function* statements executed successfully by the utility program.

## **CSQU145I: function statement failed**

### **Explanation**

The utility program experienced an error while executing function *function*.

### **System action**

The utility program terminates.

### **System programmer response**

Check the other messages issued to determine where the error occurred, and what caused it.

## **CSQU146I: n messages skipped**

### **Explanation**

This indicates how many messages in data set created by the COPY function were skipped before starting to load the queue, when the SKIPMSGs option is used with the LOAD function.

## **CSQU147I: csect-name Utility terminated, return code=*ret-code***

### **Explanation**

The utility has terminated because a severe error or forced syncpoint occurred meaning that no further functions should be run. *ret-code* is the return code from the utility.

### **System action**

The utility ends.

### **System programmer response**

See the WebSphere MQ for z/OS System Administration Guide for information about the return code from the utility.

## **CSQU148I: csect-name Utility completed, return code=*ret-code***

### **Explanation**

The utility completed, all required functions having been attempted. *ret-code* is the return code from the utility.

**System action**

The utility ends.

**System programmer response**

Check any functions that failed.

**CSQU150I: function completed for data set *ddname1* to data set *ddname2*****Explanation**

Processing for data set *ddname1* has completed, with output to *ddname2*.

**System action**

Processing continues with the next page set.

**CSQU151I: No matching CSQSnnnn and CSQTnnnn DD statements. function terminated****Explanation**

A COPYPAGE or RESETPAGE function was unsuccessful because there were no matching pairs of page set data sets with names CSQS0000 through CSQS0099 and CSQT0000 through CSQT0099.

**System action**

The function is terminated.

**System programmer response**

Add DD statements for the required page set data sets, and resubmit the job.

**CSQU152I: *ddname1* DD statement missing. No action taken for *ddname2* data set****Explanation**

Only one of the source-target pair of page set data sets (CSQSnnnn and CSQTnnnn) was specified.

**System action**

The function continues.

**System programmer response**

Add DD statements for the required page set data sets, and resubmit the job.

## **CSQU154E: Target data set *ddname* is smaller than source data set. Function terminated**

### **Explanation**

A COPYPAGE or RESETPAGE function could not process a page set data set because the target data set *ddname* was too small.

### **System action**

Processing continues with the next page set.

## **CSQU155I: Loading from queue *q-name***

### **Explanation**

The utility program is loading the queue named in message CSQU135I with messages copied from queue *q-name*.

## **CSQU156E: GET failed for *ddname* data set. VSAM return code=*rc* reason code=*code***

### **Explanation**

The utility program received a VSAM GET error for the page set it was attempting to process (pointed to by *ddname*).

### **System action**

Processing for the page set is terminated, and the function continues with the next page set.

### **System programmer response**

See the *DFSMS/MVS Macro Instructions for Data Sets* manual for information about the return and reason codes from VSAM. If necessary, resubmit the job.

## **CSQU157I: Processing data set *ddname1* to *ddname2***

### **Explanation**

The current function is handling data set *ddname1*, with output to *ddname2*.

## **CSQU158E: Target data set *ddname2* is not newly formatted**

### **Explanation**

The COPYPAGE and RESETPAGE functions can only be used with a newly formatted target page set.

### **System action**

Processing continues with the next page set.

### **System programmer response**

Specify a valid target page set, and resubmit the job.

## **CSQU159E: Source data set *ddname1* is not a page set**

### **Explanation**

The COPYPAGE and RESETPAGE functions can only be used with an MQ page set.

### **System action**

Processing continues with the next page set.

### **System programmer response**

Specify a valid source page set, and resubmit the job.

## **CSQU160E: Data set *ddname* is not suitable for use with the function**

### **Explanation**

The function should only be used with page sets for a queue manager that terminated normally.

### **System action**

Processing continues with the next page set.

### **System programmer response**

Specify a valid page set, and resubmit the job.

## **CSQU161I: *ddname* contains pp pages and was formatted as page set *nn***

### **Explanation**

This is part of the response to the PAGEINFO function for data set *ddname*.

It shows the size of the page set, and the page set number that was assumed when it was formatted. The number is derived from the DD name used when formatting, which was CSQP00*nn*.

## **CSQU162I: *ddname* is used as page set *psid* for queue manager *qmgr-name***

### **Explanation**

This is part of the response to the PAGEINFO function for data set *ddname*.

The page set has been used by the queue manager shown. The page set number is not necessarily the same as that with which it was formatted, as shown in message CSQU161I.

### **CSQU163I: *ddname* has page set recovery RBA = *rba***

#### **Explanation**

This is part of the response to the PAGEINFO function for data set *ddname*.

### **CSQU164I: *ddname* System recovery RBA for all page sets successfully processed = *rba***

#### **Explanation**

This is part of the response to the PAGEINFO function. Note that this RBA relates only to those page sets processed; it does not relate to the whole queue manager unless all the page sets for the queue manager are included.

### **CSQU165I: Processing *ddname* data set, TYPE(*type*)**

#### **Explanation**

This current function of the utility program is handling data set *ddname* with the options shown.

### **CSQU166I: Processing *ddname* data set, TYPE(*type*), mode FORCE**

#### **Explanation**

This current function of the utility program is handling data set *ddname* with the options shown.

### **CSQU167I: *ddname* has never been initialized by a queue manager**

#### **Explanation**

This is part of the response to the PAGEINFO function for data set *ddname*.

### **CSQU168E: Requested page sets are for more than one queue manager**

#### **Explanation**

The page sets for which information was requested are associated with more than one queue manager. No system recovery RBA can therefore be determined.

#### **System action**

Processing continues.



### **System programmer response**

Specify a set of page sets for a single queue manager, and resubmit the job.

### **CSQU180E: *csect-name* Unable to load module *module-name*, reason=*ssssrrrr***

#### **Explanation**

The utility program was unable to load the requested channel initiator parameter module. *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS LOAD service.

#### **System action**

The function is terminated.

#### **System programmer response**

Check the member name specified on the XPARM function, and ensure that the module is in the library specified by the DDNAME keyword.

### **CSQU181E: *csect-name module-name* is not a valid channel initiator parameter module**

#### **Explanation**

The module specified for channel initiator parameters is not in the correct format. It was not generated using the CSQ6CHIP channel initiator parameter macro.

#### **System action**

The function is terminated.

#### **System programmer response**

Check the member name specified on the XPARM function, and that the specified member created using the CSQ6CHIP macro.

### **CSQU200I: *csect-name* Dead-letter Queue Handler Utility – date time**

#### **Explanation**

This is part of the header to the report issued by the utility program.

### **CSQU201I: Processing queue *q-name***

#### **Explanation**

The dead-letter queue handler has parsed the rules table without detecting any errors and is about to start processing the queue identified in the message.

## **CSQU202I: Dead-letter queue handler ending. Successful actions: n1 retries, n2 forwards, n3 discards**

### **Explanation**

The dead-letter queue handler is ending because there are no more messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler detected an error. The message indicates how many dead-letter queue messages were successfully handled.

### **System action**

The utility terminates.

### **System programmer response**

If the utility ended because of an error, investigate the problem reported in the preceding messages.

## **CSQU203I: n messages remain on the dead-letter queue**

### **Explanation**

The message indicates how many messages are left on the dead-letter queue when the dead-letter queue handler ends.

## **CSQU210I: Message does not have a valid MQDLH**

### **Explanation**

The dead-letter queue handler retrieved a message from the dead-letter queue, but the message was not prefixed by a valid dead-letter queue header (MQDLH). This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH.

### **System action**

The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue.

This message is issued only once the first time such a message is encountered.

### **System programmer response**

Remove all the invalid messages from the dead-letter queue. Do not write messages to the dead-letter queue unless they are prefixed by a valid MQDLH.

## **CSQU211I: Unable to put message, line n MQRC=*mqrc***

### **Explanation**

The dead-letter queue handler tried to redirect a message to another queue as requested, but the MQPUT call was unsuccessful.

### **System action**

The retry count for the message is incremented; processing continues.

### **System programmer response**

Refer to API completion and reason codes for information about *mqrc*. The line number *n* of the rules table used to determine the action for the message will help identify the queue to which the message was being put.

## **CSQU212I: Unable to inquire dead-letter queue, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQINQ call for the dead-letter queue was unsuccessful.

### **System action**

Processing continues.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU213I: Unable to convert message, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQGET call encountered a data conversion problem.

### **System action**

The message is rolled back and remains on the queue. Processing of the remaining messages on the queue continues. Use an alternative means to remove this message from the dead-letter queue.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU220E: Unable to connect to queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The dead-letter queue handler could not connect to the requested queue manager.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU221E: Unable to open queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQOPEN call for the queue manager was unsuccessful.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU222E: Unable to inquire queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQINQ call for the queue manager was unsuccessful.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU223E: Unable to close queue manager, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQCLOSE call for the queue manager was unsuccessful.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQU224E: Unable to browse dead-letter queue q-name,  
MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

An MQOPEN call for browsing the dead-letter queue was unsuccessful. This is typically because another process has opened the queue for exclusive access, or because an invalid queue name was specified.

**System action**

The utility is terminated.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQU225E: Unable to close dead-letter queue, MQCC=*mqcc*  
MQRC=*mqrc***

**Explanation**

An MQCLOSE call for the dead-letter queue was unsuccessful.

**System action**

The utility is terminated.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQU226E: Line *n*: keyword(value) invalid or outside  
permitted range**

**Explanation**

The value supplied for the specified keyword in line *n* of the rules table was outside the valid range of values or otherwise invalid.

**System action**

The utility is terminated.

**System programmer response**

Correct the rules table and restart the dead-letter queue handler.

## **CSQU227E: Unable to get message from dead-letter queue, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQGET call for the dead-letter queue was unsuccessful.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU228E: Unable to commit or backout dead-letter queue action, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQCMIT or MQBACK call for the dead-letter queue was unsuccessful.

### **System action**

The utility is terminated.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQU229E: Rules table is invalid or missing**

### **Explanation**

The rules table contained no valid message templates or was not supplied at all.

### **System action**

The utility is terminated.

### **System programmer response**

Correct the rules table as indicated in the preceding messages and restart the dead-letter queue handler.

## **CSQU230E: Unable to obtain storage**

### **Explanation**

The dead-letter queue handler was unable to obtain storage.

This problem would typically arise as a result of some wider problem. For example, if there is a persistent problem that is causing messages to be written to the dead-letter queue and the same problem (for example, queue full) is preventing

the dead-letter queue handler from taking the requested action with the message, ever-increasing amounts of storage would be required.

**System action**

The utility is terminated.

**System programmer response**

Increase the storage available to the utility. Investigate whether some wider problem exists, and if the dead-letter queue contains a large number of messages.

**CSQU231E: Line *n*: parameter keyword exceeds maximum length**

**Explanation**

The value for the specified parameter in line *n* of the rules table is too long.

**System action**

The utility is terminated.

**System programmer response**

Correct the rules table and restart the dead-letter queue handler.

**CSQU232E: Line *n*: parameter keyword is duplicated**

**Explanation**

Two or more parameters of the same type were supplied in line *n* of the rules table.

**System action**

The utility is terminated.

**System programmer response**

Correct the rules table and restart the dead-letter queue handler.

**CSQU233E: Line *n*: syntax error**

**Explanation**

There is a syntax error in line *n* of the rules table.

**System action**

The utility is terminated.

**System programmer response**

Correct the rules table and restart the dead-letter queue handler.

## **CSQU234E: Unable to release storage**

### **Explanation**

The dead-letter queue handler was unable to release storage.

### **System action**

The utility is terminated.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQU235E: Line n: keyword value invalid or outside permitted range**

### **Explanation**

The value supplied for the specified parameter in line *n* of the rules table was outside the valid range of values or otherwise invalid.

### **System action**

The utility is terminated.

### **System programmer response**

Correct the rules table and restart the dead-letter queue handler.

## **CSQU236E: n error(s) in rules table**

### **Explanation**

Errors were detected in the rules table.

### **System action**

The utility is terminated.

### **System programmer response**

Correct the rules table as indicated in the preceding messages and restart the dead-letter queue handler.

## **CSQU237E: Line n: invalid keyword combination**

### **Explanation**

There is an invalid combination of parameters in line *n* of the rules table. For example: no ACTION specified, ACTION(FWD) specified without FWDQ, HEADER specified without ACTION(FWD).



**System action**

The utility is terminated.

**System programmer response**

Correct the rules table and restart the dead-letter queue handler.

**CSQU249E: Unable to disconnect from queue manager,  
MQCC=*mqcc* MQRC=*mqrc*****Explanation**

An MQDISC call for the queue manager was unsuccessful.

**System action**

The utility is terminated.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQU500I: *csect-name* Queue-sharing Group Utility – date time****Explanation**

This is part of the header to the report issued by the utility program.

**CSQU501I: function function requested****Explanation**

This identifies the utility function requested.

**CSQU502I: Queue manager=*qmgr-name*****Explanation**

This identifies the queue manager name for which the function is requested.

**CSQU503I: QSG=*qsg-name*, DB2 DSG=*dsg-name*, DB2  
ssid=*db2-name*****Explanation**

This identifies the queue-sharing group, DB2 data-sharing group, and DB2 subsystem names for which the function is requested.

## **CSQU504E: Unable to load module-name, reason=ssssrrrr**

### **Explanation**

The utility was unable to load a required module. *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS LOAD service.

### **System action**

The utility terminates.

### **System programmer response**

Check the console for messages indicating why the module was not loaded. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD request.

Ensure that the module is in the required library, and that it is referenced correctly. The utility attempts to load this module from the library data sets under the STEPLIB DD statement.

## **CSQU505E: No EXEC PARM parameters**

### **Explanation**

No parameters for the utility were specified in EXEC PARM field.

### **System action**

The utility program is terminated.

### **System programmer response**

Specify the required parameters and rerun the job. See the WebSphere MQ for z/OS System Administration Guide for information about the parameters required by the utility.

## **CSQU506E: Invalid EXEC PARM function parameter**

### **Explanation**

The function requested for the utility, as the first parameter in EXEC PARM field, was invalid.

### **System action**

The utility program is terminated.

### **System programmer response**

Correct the parameter and rerun the job. See the WebSphere MQ for z/OS System Administration Guide for information about the parameters required by the utility.

## **CSQU507E: Wrong number of EXEC PARM parameters for function**

### **Explanation**

The number of parameters for the utility specified in EXEC PARM field was incorrect for the function requested.

### **System action**

The utility program is terminated.

### **System programmer response**

Correct the parameters and rerun the job. See the WebSphere MQ for z/OS System Administration Guide for information about the parameters required by the utility.

## **CSQU508E: Invalid EXEC PARM parameter n**

### **Explanation**

The *n*th parameter for the utility specified in EXEC PARM field was invalid for the function requested, or omitted but required by the function requested.

### **System action**

The utility program is terminated.

### **System programmer response**

Correct the parameter and rerun the job. See the WebSphere MQ for z/OS System Administration Guide for information about the parameters required by the utility.

## **CSQU509E: Too many EXEC PARM parameters**

### **Explanation**

The number of parameters for the utility specified in EXEC PARM field was too many for the function requested.

### **System action**

The utility program is terminated.

### **System programmer response**

Correct the parameters and rerun the job. See the WebSphere MQ for z/OS System Administration Guide for information about the parameters required by the utility.

## **CSQU512E: Utility terminated, DB2 tables in use**

### **Explanation**

The queue-sharing group utility cannot run because the DB2 tables it uses are reserved by another job. The most likely reason is that another instance of the utility is running, or that a queue manager in the queue-sharing group is in the process of starting.

### **System action**

The utility program is terminated.

### **System programmer response**

Rerun the job later.

## **CSQU513E: Utility terminated, not APF authorized**

### **Explanation**

The queue-sharing group utility is not APF authorized.

### **System action**

The utility program is terminated.

### **System programmer response**

Ensure that the library data sets under the STEPLIB DD statement comply with the rules for APF authorization, and rerun the job.

## **CSQU514E: RRSF function *call-name* failed, RC=rc**

### **Explanation**

The RRS function specified by *call-name* returned an unexpected reason code specified by *rc*.

### **System action**

The utility program is terminated.

### **System programmer response**

Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the RRSF reason code.

Take corrective action if necessary and resubmit the job.

## **CSQU515E: Unable to access DB2 tables, RC=rc reason=reason**

### **Explanation**

The call to CSQ5ARO2 module failed with a return code specified by *rc* and reason code specified by *reason*.

### **System action**

The utility program is terminated.

### **System programmer response**

Resubmit the job. If the problem persists, note the error codes in the message and contact your IBM support center.

## **CSQU517I: XCF group xcf-name already defined**

### **Explanation**

Informational message indicating that the XCF group name specified by *xcf-name* already exists.

## **CSQU518E: XCF IXCQUERY member error, RC=rc reason=reason**

### **Explanation**

An unexpected return code specified by *rc* with reason code specified by *reason* was returned from an IXCQUERY request.

### **System action**

The utility program is terminated.

### **System programmer response**

See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCQUERY return and reason codes.

Take corrective action if necessary and resubmit the job.

## **CSQU520I: Summary information for XCF group xcf-name**

### **Explanation**

Informational message indicating that summary data for the XCF group specified by *xcf-name* follows.

## **CSQU521I: Group contains n members:**

### **Explanation**

Informational message indicating that the group specified by message CSQU517I contains *n* members.

## **CSQU522I: Member=*xcf-name*, state=*sss*, system=*sys-name***

### **Explanation**

Informational message indicating that the XCF group member specified by *xcf-name* has a state of *sss* and last executed on system *sys-name*.

## **CSQU523I: User data=*xxx***

### **Explanation**

Informational message containing the 32 bytes of XCF user data to accompany informational message CSQU522I.

## **CSQU525E: DB2 *db2-name* is not a member of data-sharing group *dsg-name***

### **Explanation**

There was an inconsistency between the DB2 ssid and data-sharing group name provided in the EXEC PARM field. DB2 ssid specified by *db2-name* is not a member of the DB2 data-sharing group specified by *dsg-name*.

### **System action**

The utility program is terminated.

### **System programmer response**

Ensure that the DB2 ssid specified is a member of the DB2 data-sharing group specified.

## **CSQU526I: Connected to DB2 *db2-name***

### **Explanation**

The utility program connected successfully to DB2 subsystem *db2-name*.

## **CSQU527E: No eligible DB2 currently active**

### **Explanation**

If a DB2 ssid was specified in the EXEC PARM field this indicates that the DB2 subsystem is not currently active on the z/OS system on which the utility job executed.

If a DB2 data-sharing group name was specified in the EXEC PARM field then no eligible DB2 subsystem was active on the z/OS system on which the utility job executed.

### **System action**

The utility program is terminated.

### **System programmer response**

If a DB2 ssid was specified in the EXEC PARM field then ensure that it is active on the z/OS system on which the utility job will execute.

If a DB2 data-sharing group name was specified in the EXEC PARM field then ensure that at least one eligible DB2 subsystem is active on the z/OS system on which the utility job will execute.

## **CSQU528I: Disconnected from DB2 *db2-name***

### **Explanation**

The utility program disconnected successfully from DB2 subsystem *db2-name*.

## **CSQU529E: QSG *qsg-name* entry cannot be removed, *n* members are still defined**

### **Explanation**

A request to remove the queue-sharing group name in *qsg-name* failed because *n* members are still defined to it.

### **System action**

The utility program is terminated.

### **System programmer response**

All members of the queue-sharing group must be removed from it before the queue-sharing group itself can be deleted. Use the preceding CSQU522I message to identify which queue-sharing group members are still defined to the queue-sharing group.

**Note:** Members in a state of ACTIVE or FAILED cannot be removed from a queue-sharing group.

## **CSQU530E: QMGR *qmgr-name* entry cannot be removed from QSG *qsg-name*, status is *sss***

### **Explanation**

The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group named by *qsg-name* because it is in an incorrect XCF member state as specified by *sss*.

### **System action**

The utility program is terminated.

### **System programmer response**

In order to remove a queue manager from the queue-sharing group it must have XCF member state CREATED or QUIESCED.

If the XCF member state is ACTIVE then stop the queue manager with a STOP QMGR command and resubmit the job.

If the XCF member state is FAILED then start the queue manager and stop it normally using the STOP QMGR command and resubmit the job.

## **CSQU531E: QSG *qsg-name* entry cannot be removed, not found in DB2 table *table-name***

### **Explanation**

An attempt to remove the queue-sharing group *qsg-name* failed because no entry for it was found in the DB2 table *table-name*.

### **System action**

The utility program is terminated.

### **System programmer response**

Ensure that the queue-sharing group *qsg-name* was originally defined in the table *table-name*.

Check that the utility job connected to the correct DB2 data-sharing group. If necessary resubmit the job.

## **CSQU532E: QSG *qsg-name* entry cannot be deleted, DB2 entries still exist for it**

### **Explanation**

An attempt to remove the queue-sharing group *qsg-name* was returned a DB2 constraint failure because queue manager entries still exist in the CSQ.ADMIN\_B\_QMGR table.

### **System action**

The utility program is terminated.

### **System programmer response**

Examine the CSQ.ADMIN\_B\_QMGR table to determine which queue managers are still defined to the queue-sharing group *qsg-name*.

Use the REMOVE QMGR function of the CSQ5PQSG utility to remove the entries and then resubmit the job.



## **CSQU533E: SQL error. DB2 table=table-name, code=sqlcode, state=sss, data=sqlerrcd**

### **Explanation**

An unexpected SQL error was returned from DB2. An operation on the table named by *table-name* was returned an SQLCODE specified by *sqlcode* with STATE specified by *sss* and SQLERRCD values specified by *sqlerrcd*.

### **System action**

The utility program is terminated.

### **System programmer response**

See the *DB2 for z/OS Messages and Codes* manual for an explanation of the SQL codes.

Resubmit the job if required.

## **CSQU534E: SQL services error, DB2 table=table-name RC=rc**

### **Explanation**

An SQL error occurred during an operation on the table specified by *table-name*, as reported in the preceding CSQU533E message. A return code of *rc* was returned from the internal service routine.

### **System action**

The utility program is terminated.

### **System programmer response**

See message CSQU533E.

## **CSQU535I: QSG qsg-name entry successfully removed from DB2 table table-name**

### **Explanation**

Informational message indicating that the queue-sharing group named by *qsg-name* was successfully removed.

## **CSQU536E: Unable to add QSG qsg-name entry, entry already exists in DB2 table table-name**

### **Explanation**

An attempt to add the queue-sharing group *qsg-name* failed because an entry already exists in the DB2 table *table-name*.

### **System action**

The utility program is terminated.

## **CSQU537I: *csect-name* QSG *qsg-name* entry successfully added to DB2 table *table-name***

### **Explanation**

The request to add the queue-sharing group *qsg-name* to the DB2 table *table-name* completed successfully.

## **CSQU538E: Member record found for QMGR *qmgr-name* XCF group *xcf-name***

### **Explanation**

Informational message indicating that a member record for the queue manager named in *qmgr-name* already exists in the XCF group named by *xcf-name*.

## **CSQU539E: No QMGR *qmgr-name* entry found in QSG *qsg-name***

### **Explanation**

An attempt to remove the queue manager named by *qmgr-name* from the queue-sharing group named by *qsg-name* failed because no entry was found in the DB2 tables.

### **System action**

The utility program is terminated.

## **CSQU540E: Unable to remove QMGR *qmgr-name* – not terminated normally, or needed for recovery**

### **Explanation**

The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group because it is currently active, or because it terminated abnormally during its last execution, or because it is needed for backup and recovery purposes.

### **System action**

The utility program is terminated.

### **System programmer response**

If the queue manager is active then stop the queue manager with a STOP QMGR command and resubmit the job.

If the queue manager terminated abnormally during its last execution then start the queue manager and stop it normally using the STOP QMGR command and resubmit the job.

If neither of these cases applies, or if it still cannot be removed, it must be needed for backup and recovery purposes. See the WebSphere MQ for z/OS System Administration Guide for information about removing such a queue manager from a queue-sharing group.

## **CSQU541E: QSG array manipulation error, RC=rc**

### **Explanation**

An internal error occurred during manipulation of the queue-sharing group array data.

An internal routine returned a completion code specified by *rc*.

### **System action**

The utility program is terminated.

### **System programmer response**

Resubmit the job. If the problem persists, note the error codes in the message and contact your IBM support center.

## **CSQU542E: Update unsuccessful for QSG *qsg-name*, RC=rc**

### **Explanation**

An attempt to update the DB2 row for the queue-sharing group named by *qsg-name* failed with return code *rc*.

*rc* shows the type of failure:

**00F5000C**

Queue-sharing group row no longer exists

**00F50010**

Internal error

**00F50018**

Referential constraint failure

**00F50028**

Internal error

### **System action**

The utility program is terminated.

### **System programmer response**

Resubmit the job. If the problem persists contact your IBM support center.

## **CSQU543E: Delete unsuccessful for QMGR *qmgr-name*, RC=*rc***

### **Explanation**

The attempt to delete the queue manager *qmgr-name* failed with return code *rc*.

*rc* shows the type of failure: 00F5000C, queue manager row no longer exists.

### **System action**

Processing continues.

### **System programmer response**

This may be an indication that the request was made against the wrong DB2 data-sharing group or that a previous attempt terminated prematurely. For the former, the utility should be executed against the correct DB2 data-sharing group. For the latter, no further action need be taken.

## **CSQU544E: IXCDELET request for QMGR *qmgr-name* unsuccessful, RC=*rc* reason=*reason***

### **Explanation**

During an attempt to delete queue manager *qmgr-name*, an IXCDELET request was returned an IXC return code of *rc* and reason code of *reason*.

### **System action**

The utility program is terminated.

### **System programmer response**

See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCDELET return and reason codes.

Take corrective action if necessary and resubmit the job.

## **CSQU545E: IXCCREAT request for QMGR *qmgr-name* unsuccessful, RC=*rc* reason=*reason***

### **Explanation**

During an attempt to add queue manager *qmgr-name*, an IXCCREAT request was returned an IXC return code of *rc* and reason code of *reason*.

### **System action**

The utility program is terminated.

### **System programmer response**

See the *z/OS MVS Sysplex Services Reference* manual for an explanation of the IXCCREAT return and reason codes.

Take corrective action if necessary and resubmit the job.

## **CSQU546E: Unable to add QMGR *qmgr-name* entry, already exists in DB2 table *table-name***

### **Explanation**

The attempt to add an entry for queue manager *qmgr-name* to the DB2 table *table-name* failed because a row already exists for the queue manager.

### **System action**

The utility program is terminated.

### **System programmer response**

Examine the DB2 table specified by *table-name* and determine whether the entry for the queue manager specified by *qmgr-name* is for the correct queue-sharing group. If it is, no further action is required.

## **CSQU547E: Unable to add QMGR *qmgr-name* entry, no QSG *qsg-name* entry exists in DB2 table *table-name***

### **Explanation**

The attempt to add queue manager *qmgr-name* failed because there is no queue-sharing group entry for the queue-sharing group *qsg-name* in the DB2 table *table-name*.

### **System action**

The utility program is terminated.

### **System programmer response**

In order to add a queue manager to a queue-sharing group the DB2 CSQ.ADMIN\_B\_QSG table must contain a queue-sharing group record for the queue-sharing group named by *qsg-name*.

Examine the DB2 tables and if necessary run the CSQ5PQSG utility ADD QSG function prior to resubmitting this job.

## **CSQU548E: QMGR *qmgr-name* cannot be added to QSG *qsg-name*, no unassigned QMGR number**

### **Explanation**

The attempt to add queue manager *qmgr-name* to the queue-sharing group *qsg-name* failed because all queue manager numbers are in use.

### **System action**

The utility program is terminated.

## System programmer response

A maximum of 32 queue managers can be defined to a queue-sharing group at any one time. If the queue-sharing group named by *qsg-name* already contains 32 queue managers then the only course of action is to create a new queue-sharing group or remove an existing queue manager.

### **CSQU549I: QMGR *qmgr-name* entry successfully added to QSG *qsg-name***

#### **Explanation**

The request to add queue manager *qmgr-name* to the queue-sharing group *qsg-name* completed successfully.

### **CSQU550I: QMGR *qmgr-name* entry successfully removed from QSG *qsg-name***

#### **Explanation**

The request to remove queue manager *qmgr-name* from the queue-sharing group *qsg-name* completed successfully.

### **CSQU551I: QSG *qsg-name* entry successfully added**

#### **Explanation**

The request to add queue-sharing group *qsg-name* completed successfully.

### **CSQU552I: QSG *qsg-name* entry successfully removed**

#### **Explanation**

The request to remove queue-sharing group *qsg-name* completed successfully.

### **CSQU553E: QMGR *qmgr-name* exists in DB2 table *table-name* as a member of a different QSG**

#### **Explanation**

An attempt to add the queue manager specified by *qmgr-name* into a queue-sharing group failed because the DB2 table specified by *table-name* indicates that the queue manager is already a member of a different queue-sharing group.

#### **System action**

The utility program is terminated.

#### **System programmer response**

A queue manager can be a member of only one queue-sharing group at any one time. >Examine the CSQ.ADMIN\_B\_QMGR table to determine which queue-sharing group the queue manager is already a member of.

Either remove the queue manager from the queue-sharing group it is in and resubmit the job or take no further action.

## **CSQU554E: QMGR *qmgr-name* entry cannot be removed from QSG *qsg-name*, needed for structure *struc-name* backup**

### **Explanation**

The queue manager named by *qmgr-name* cannot be removed from the queue-sharing group named by *qsg-name* because it has information about backups for structure *struc-name*. (The value shown for *struc-name* is the 12-character name as used by WebSphere MQ, not the external name used by z/OS which includes the queue-sharing group name.)

If the queue manager is needed for more than one structure, this message will be issued for each one.

### **System action**

The utility program is terminated.

### **System programmer response**

Using another queue manager in the queue-sharing group, take a backup of the structure. Ensure that the EXCLINT time value used in the BACKUP CFSTRUCT command is less than the time since the queue manager that you are trying to remove was last stopped. Then resubmit the job.

## **CSQU555E: QMGR *qmgr-name* release level is incompatible with QSG *qsg-name* in DB2 table *table-name***

### **Explanation**

An attempt to add the queue manager specified by *qmgr-name* into a queue-sharing group failed because the DB2 table specified by *table-name* indicates that another queue manager in the queue-sharing group is at an incompatible release level.

### **System action**

The utility program is terminated.

### **System programmer response**

Only queue managers with compatible release levels can be members of the same queue-sharing group. See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for information about migration and compatibility between releases.

## **CSQU556I: QSG qsg-name may contain unexpected characters**

### **Explanation**

The queue-sharing group *qsg-name* being added specifies a queue-sharing group name that either contains the '@' character, or is shorter than four characters and therefor has '@' characters appended to the short name to make the name four characters in length.

### **System action**

Processing to add the queue-sharing group will continue. The utility will complete with return code 4.

### **System programmer response**

Verify that the queue-sharing group name specified by *qsg-name* is the intended name to be used for the queue-sharing group. If not, use the utility to remove the queue-sharing group, correct the queue-sharing group name, and resubmit the request to add the queue-sharing group.

## **CSQU560I: Full name of admin structure is admin-strname**

### **Explanation**

This shows the full external name of the administration structure as used by z/OS, which includes the queue-sharing group name.

## **CSQU561E: Unable to get attributes for admin structure, IXLMG RC=rc reason code=reason**

### **Explanation**

An attempt to add a queue manager to a queue-sharing group failed; it was not possible to check the attributes of the administration structure because there was an XES IXLMG service error. The full name of the administration structure is given in the following CSQ570I message.

### **System action**

The utility program terminates. The queue manager is not added to the queue sharing group.

### **System programmer response**

Investigate the return and reason codes from the IXLMG service (both shown in hexadecimal), which are described in the *z/OS MVS Programming: Services Reference* manual. If you are unable to resolve the problem, contact your IBM service center.



## CSQU562E: Admin structure attributes temporarily unavailable

### Explanation

An attempt to add a queue manager to a queue-sharing group failed; it was not possible to check the attributes of the administration structure because they were currently unavailable. The full name of the administration structure is given in the following CSQ570I message.

### System action

The utility program terminates. The queue manager is not added to the queue sharing group.

### System programmer response

Rerun the job later.

## CSQU563I: Admin structure is defined in CF cf-name, allocated size *mm* KB, maximum entries *nn*

### Explanation

This shows the current attributes of the administration structure for the queue sharing group. It is defined in the coupling facility named *cf-name*.

## CSQU564E: Queue managers cannot be added to QSG qsg-name, admin structure too small

### Explanation

An attempt to add a queue manager to a queue-sharing group failed; the current administration structure allocation is too small for a queue-sharing group with the requested number of queue managers. The full name of the administration structure is given in the following CSQ570I message.

### System action

The utility program terminates. The queue manager is not added to the queue sharing group.

### System programmer response

See the WebSphere MQ for z/OS Concepts and Planning Guide for information about coupling facility structure sizes for use with queue-sharing groups.

The administration structure allocation must be increased before a new queue manager can be added to the queue-sharing group. This may involve one or more of the following steps:

- Update the administration structure definition using the IXLMIAPU utility.
- Refresh the currently active CFRM policy.
- Dynamically alter the current allocation of the administration structure using the z/OS SETXCF START,ALTER command.

Rerun the job when the administration structure allocation has been increased.

## **CSQU565E: Unable to get attributes for admin structure, CF in failed state**

### **Explanation**

An attempt to add a queue manager to a queue-sharing group failed; it was not possible to check the attributes of the administration structure because it is in a failed state. The full name of the administration structure is given in the following CSQ570I message.

### **System action**

The utility program terminates. The queue manager is not added to the queue sharing group.

### **System programmer response**

Use the z/OS DISPLAY XCF,STRUCTURE command to display the status of all structures in the currently active CFRM policy.

If the administration structure has failed, starting a queue manager in the queue-sharing group will cause the structure to be allocated according to the current CFRM policy.

## **CSQU566I: Unable to get attributes for admin structure, CF not found or not allocated**

### **Explanation**

In attempting to add a queue manager to a queue-sharing group, it was not possible to check the attributes of the administration structure because it has not yet been defined to the CFRM policy, or is not currently allocated in a coupling facility. The full name of the administration structure is given in the following CSQ570I message. If the structure is not allocated, then the structure will be allocated when the first queue manager starts.

### **System action**

Processing continues.

### **System programmer response**

Use the z/OS DISPLAY XCF,STRUCTURE command to display the status of all structures in the currently active CFRM policy.

Ensure a structure definition exists in the CFRM policy. It will be needed before the queue manager can be started.

## **CSQU570I: QSG *qsg-name* successfully verified**

### **Explanation**

The request to verify information for queue-sharing group *qsg-name* completed successfully. All the information is consistent.

## **CSQU571E: QSG *qsg-name* entry cannot be verified, not found in DB2 table *table-name***

### **Explanation**

An attempt to verify the queue-sharing group *qsg-name* failed because no entry for it was found in the DB2 table *table-name*.

### **System action**

The utility program is terminated.

### **System programmer response**

Ensure that the queue-sharing group *qsg-name* was originally defined in the table *table-name*. Check that the utility job connected to the correct DB2 data-sharing group.

If necessary resubmit the job.

## **CSQU572E: Usage map *map-name* and DB2 table *table-name* inconsistent**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in the usage map *map-name* and the DB2 table *table-name*. The following messages give more details about the inconsistency.

### **System action**

Processing continues.

### **System programmer response**

Check that the utility job connected to the correct DB2 data-sharing group. If necessary resubmit the job.

Contact your IBM support center for assistance.

## **CSQU573E: QMGR *qmgr-name* in table entry *entry-number* not set in usage map**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is

described in the message; preceding message CSQU572E identifies the usage map and table.

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU574E: QMGR *qmgr-name* in usage map has no entry in table**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is described in the message; preceding message CSQU572E identifies the usage map and table.

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU575E: Structure *struc-name* in table entry entry-number not set in usage map**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is described in the message; preceding message CSQU572E identifies the usage map and table. (The value shown for *struc-name* is the 12-character name as used by WebSphere MQ, not the external name used by z/OS which includes the queue-sharing group name.)

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU576E: Structure *struc-name* in usage map has no entry in table**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is described in the message; preceding message CSQU572E identifies the usage map and table. (The value shown for *struc-name* is the 12-character name as used by WebSphere MQ, not the external name used by z/OS which includes the queue-sharing group name.)

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU577E: Queue *q-name* in table entry entry-number not set in usage map for structure *struc-name***

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is described in the message; preceding message CSQU572E identifies the usage map and table. (The value shown for *struc-name* is the 12-character name as used by WebSphere MQ, not the external name used by z/OS which includes the queue-sharing group name.)

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU578E: Queue *q-name* in usage map for structure *struc-name* has no entry in table**

### **Explanation**

While verifying a queue-sharing group, an inconsistency was found between the information in a usage map and the corresponding DB2 table. The inconsistency is described in the message; preceding message CSQU572E identifies the usage map and table. (The value shown for *struc-name* is the 12-character name as used by WebSphere MQ, not the external name used by z/OS which includes the queue-sharing group name.)

### **System action**

Processing continues.

### **System programmer response**

See message CSQU572E.

## **CSQU580I: DSG *dsg-name* is ready for migration**

### **Explanation**

The request to migrate the data-sharing group *dsg-name* to use new DB2 tables successfully verified that the data-sharing group is ready to be migrated.

### **System programmer response**

Perform the migration. You should do this as a conditional step in the same job as the utility migration request, as shown in the sample job CSQ45ATB in the SCSQPROC library.

## **CSQU581E: DSG *dsg-name* has incompatible QMGR levels**

### **Explanation**

The data-sharing group *dsg-name* cannot be migrated to use new DB2 tables because the levels of the queue managers using the data-sharing group are incompatible.

### **System action**

The utility program is terminated.

### **System programmer response**

In order to perform the migration, all the queue managers in all the queue-sharing groups that use the data-sharing group must have installed a PTF and been started, to bring them to the necessary level. Examine the CSQ.ADMIN\_B\_QMGR DB2 table to determine the levels of the queue managers and those which need to be upgraded.

See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for full information about migration between releases and the PTF.

## **CSQU582E: DSG *dsg-name* has already been migrated**

### **Explanation**

The data-sharing group *dsg-name* cannot be migrated to use new DB2 tables because it has already been migrated.

### **System action**

The utility program is terminated.

## System programmer response

As part of the migration, the CSQ.OBJ\_B\_CHANNEL DB2 table will have its row size increased above 4 KB. The utility found that such a row size already exists. Examine the CSQ.OBJ\_B\_CHANNEL DB2 table to verify that the migration has already occurred.

See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for full information about migration between releases.

## CSQU583I: QSG *qsg-name* in DSG *dsg-name* is ready for migration

### Explanation

The request to migrate the queue-sharing group *qsg-name* in data-sharing group *dsg-name* to use new DB2 tables successfully verified that the queue-sharing group is ready to be migrated.

### System programmer response

Perform the migration. You should do this as a conditional step in the same job as the utility migration request, as shown in the sample job CSQ45ATB in the SCSQPROC library.

## CSQU584E: QSG *qsg-name* in DSG *dsg-name* has incompatible QMGR levels

### Explanation

The queue-sharing group *qsg-name* in data-sharing group *dsg-name* cannot be migrated to use new DB2 tables because the levels of the queue managers using the data-sharing group are incompatible.

### System action

The utility program is terminated.

### System programmer response

In order to perform the migration, all the queue managers in all the queue-sharing groups that use the data-sharing group must have installed a PTF and been started, to bring them to the necessary level. Examine the CSQ.ADMIN\_B\_QMGR DB2 table to determine the levels of the queue managers and those which need to be upgraded.

See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for full information about migration between releases and the PTF.

## **CSQU950I: *csect-name* IBM WebSphere MQ for z/OS version**

### **Explanation**

This is part of the header to the report issued by the utility program.

## **CSQU951I: *csect-name* Data Conversion Exit Utility – date time**

### **Explanation**

This is part of the header to the report issued by the utility program.

## **CSQU952I: *csect-name* Utility completed, return code=*ret-code***

### **Explanation**

The utility completed. The return code is 0 if all the input was processed successfully, or 8 if any errors were found.

### **System action**

The utility ends.

### **System programmer response**

If the return code is non-zero, investigate the errors that were reported.

## **CSQU954I: n structures processed**

### **Explanation**

This indicates how many data structures were processed by the utility program.

## **CSQU956E: Line line-number: structure array field has incorrect dimension**

### **Explanation**

The dimension specified for a structure array field was not correct.

### **System action**

Processing stops.

### **System programmer response**

Correct the field specification and resubmit the job.



## **CSQU957E: Line line-number: structure has field following a variable length field**

### **Explanation**

There was an error in the indicated line. A variable length field must be the last field of a structure.

### **System action**

Processing continues.

### **System programmer response**

Correct the field specification and resubmit the job.

## **CSQU958E: Line line-number: structure field name has unsupported type 'float'**

### **Explanation**

There was an error in the indicated line. A field had a type of 'float', which is not supported.

### **System action**

Processing continues.

### **System programmer response**

Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

## **CSQU959E: Line line-number: structure field name has unsupported type 'double'**

### **Explanation**

There was an error in the indicated line. A field had a type of 'double', which is not supported.

### **System action**

Processing continues.

### **System programmer response**

Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

## **CSQU960E: Line line-number: structure field name has unsupported type 'pointer'**

### **Explanation**

There was an error in the indicated line. A field had a type of 'pointer', which is not supported.

### **System action**

Processing continues.

### **System programmer response**

Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

## **CSQU961E: Line line-number: structure field name has unsupported type 'bit'**

### **Explanation**

There was an error in the indicated line. A field had a type of 'bit', which is not supported.

### **System action**

Processing continues.

### **System programmer response**

Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

## **CSQU965E: Invalid EXEC PARM**

### **Explanation**

The EXEC PARM field was not blank.

### **System action**

The utility is terminated.

### **System programmer response**

Change the JCL, and resubmit the job.

## **CSQU968E: Unable to OPEN *ddname* data set**

### **Explanation**

The program was unable to open data set *ddname*.

**System action**

The utility is terminated.

**System programmer response**

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

**CSQU970E: Line line-number: syntax error****Explanation**

There was a syntax error in the indicated line.

**System action**

Processing stops.

**System programmer response**

Correct the error and resubmit the job.

**CSQU971E: Unable to GET from *ddname* data set****Explanation**

The program was unable to read a record from the *ddname* data set.

**System action**

The utility is terminated.

**System programmer response**

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

**CSQU972E: Unable to PUT to *ddname* data set****Explanation**

The program was unable to write the next record to the *ddname* data set.

**System action**

The utility is terminated.

**System programmer response**

Examine the error message that was sent to the job log to determine the reason for the error. Check that the data set was correctly specified.

## CSQU999E: Unrecognized message code *ccc*

### Explanation

An unexpected error message code was issued by the utility.

### System action

Processing continues.

### System programmer response

Note the code *ccc* (which is shown in hexadecimal) and contact your IBM support center to report the problem.

---

## Agent services messages (CSQV...)

### CSQV086E: QUEUE MANAGER ABNORMAL TERMINATION REASON=reason-code

#### Explanation

The queue manager is ending abnormally, because an error that cannot be corrected has occurred. This message, which is not automatically deleted from the operator console, is issued during abnormal termination. *reason-code* is the termination reason code. If this abnormal termination is invoked multiple times, the termination reason code that accompanies this message is the reason associated with the first invocation.

#### System action

Abnormal termination processing continues.

#### Operator response

Notify the system programmer, and restart the queue manager.

#### System programmer response

For additional information, look up the reason code in Chapter 2, "Codes," on page 711.

This message is accompanied by one or more dumps. Obtain a copy of SYS1.LOGREC after the queue manager completely terminates, and the dumps. If you suspect an error in WebSphere MQ, see the WebSphere MQ for z/OS Problem Determination Guide for information about identifying and reporting the problem.

#### Problem determination

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- Any system dumps produced

## CSQV400I: ARCHIVE LOG QUIESCE CURRENTLY ACTIVE

### Explanation

An ARCHIVE LOG MODE(QUIESCE) command is currently active. This message is part of the DISPLAY LOG or DISPLAY THREAD command report.

### System action

This message is issued as information only. It indicates that the ARCHIVE LOG MODE(QUIESCE) command has not completed and, consequently, updates against MQ resources have been temporarily suspended. This might result in active threads being suspended awaiting termination of the quiesce period. Processing otherwise continues normally.

## CSQV401I: DISPLAY THREAD REPORT FOLLOWS –

### Explanation

This message is issued as the title for the DISPLAY THREAD command report output. It precedes the other messages generated by this command:

- Message CSQV402I provides the formatted report when the detailed status of active threads is requested using TYPE(ACTIVE).
- Message CSQV432I provides the formatted report when the summary status of active threads is requested using TYPE(REGIONS).
- Message CSQV406I provides the formatted report when the status of in-doubt threads is requested using TYPE(INDOUBT).
- Message CSQV436I provides the formatted report when the status of in-doubt threads on another queue manager is requested using TYPE(INDOUBT) with QMNAME.

### System action

Processing continues normally.

## CSQV402I: ACTIVE THREADS –

### Explanation

This message comprises the response to the DISPLAY THREAD TYPE(ACTIVE) command. It provides the status information for each active thread, as follows:

```
NAME S T REQ THREAD-XREF USERID ASID URID
name s t req thread-xref userid asid urid
:
DISPLAY ACTIVE REPORT COMPLETE
```

where:

*name* The connection name, which is one of the following:

- z/OS batch job name
- TSO user ID
- CICS APPLID
- IMS region name

- Channel initiator job name

*s* Connection status code:

- N** The thread is in IDENTIFY status.
- T** The thread has issued CREATE THREAD.
- Q** The CREATE THREAD request has been queued. The associated allied task is placed in a wait state.
- C** The thread is queued for termination as a result of the termination of the associated allied task. If this thread is also the last (or only) MQ thread for the address space, the associated allied task is placed in a wait state.
- D** The thread is in the process of termination as a result of the termination of the associated allied task. If this thread is also the last (or only) MQ thread for the address space, the associated allied task is placed in a wait state.

An asterisk is appended if the thread is active within MQ.

*t* Connection type code:

- B** Batch: From an application using a batch connection
- R** RRS: From an RRS-coordinated application using a batch connection
- C** CICS: From CICS
- I** IMS: From IMS
- S** System: From an internal function of the queue manager or from the channel initiator.

*req* A wraparound counter to show the number of MQ requests.

*thread-xref*

The recovery thread cross-reference identifier associated with the thread. See the WebSphere MQ for z/OS System Administration Guide for more information.

*userid* The user ID associated with a connection. If not signed-on, this field is blank.

*asid* A hexadecimal number representing the ASID of the home address space.

*urid* Unit of recovery identifier. This is the log RBA of the current unit of recovery associated with the thread. If there is no current unit of recovery, it is shown as 000000000000.

Exceptionally, the last line might be:

**DISPLAY ACTIVE TERMINATED WITH MAX LINES**

if the report was generated in response to a command from a z/OS console and more than 252 response messages were generated. Only 252 response messages are returned.

## System action

Processing continues normally.

## Operator response

If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

## Problem determination

If you have active threads with C or D status codes, the information in message CSQ3201E can be used to diagnose a possible MQ problem.

# CSQV406I: INDOUBT THREADS –

## Explanation

This message comprises the response to the DISPLAY THREAD TYPE(INDOUBT) command. It provides the status information for each in-doubt thread, as follows:

```
NAME THREAD-XREF URID NID
name thread-xref urid origin-id
:
:
DISPLAY INDOUBT REPORT COMPLETE
```

where:

*name* The connection name, which is one of the following:

- z/OS batch job name
- TSO user ID
- CICS APPLID
- IMS region name
- Channel initiator job name

*thread-xref*

The recovery thread cross-reference identifier associated with the thread. See the WebSphere MQ for z/OS System Administration Guide for more information.

*urid* Unit of recovery identifier. This is the log RBA of the current unit of recovery associated with the thread. (This is omitted if the command was issued from a z/OS console with a non-specific connection name.)

*origin-id*

The origin identifier, a unique token identifying the unit of recovery within the queue manager. This has the form *origin-node.origin-urid*, where:

*origin-node*

A name that identifies the originator of the thread. (This is omitted for batch RRS connections.)

*origin-urid*

The hexadecimal number assigned to the unit of recovery for this thread by the originating system.

Exceptionally, the last line might be:

```
DISPLAY INDOUBT TERMINATED WITH MAX LINES
```

if the report was generated in response to a command from a z/OS console and more than 252 in-doubt threads were eligible for display.

**System action**

Processing continues normally.

**Operator response**

If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

**CSQV410I: NO ACTIVE CONNECTION FOUND FOR  
NAME=*connection-name*****Explanation**

The DISPLAY THREAD command was unable to find any active connection associated with *connection-name*.

**System action**

Command processing continues.

**CSQV411I: NO ACTIVE THREADS FOUND FOR  
NAME=*connection-name*****Explanation**

The DISPLAY THREAD command was unable to locate any active threads associated with *connection-name*.

**System action**

Command processing continues.

**CSQV412I: *csect-name* NO INDOUBT THREADS FOUND FOR  
NAME=*connection name*****Explanation**

The DISPLAY THREAD command was unable to locate any in-doubt threads associated with *connection name*.

**System action**

Command processing continues.

**CSQV413E: *csect-name* CONNECTION NAME MISSING****Explanation**

A connection name was not supplied with the command, and a default connection name cannot be determined.



**System action**

Command processing terminates.

**Operator response**

Reenter the command specifying a connection name.

**CSQV414I: THREAD NID=*origin-id* COMMIT SCHEDULED****Explanation**

The thread specified by the recovery origin identifier *origin-id* is scheduled for COMMIT recovery action.

**System action**

Processing continues.

**CSQV415I: THREAD NID=*origin-id* BACKOUT SCHEDULED****Explanation**

The thread specified by the recovery origin identifier *origin-id* is scheduled for BACKOUT recovery action.

**System action**

Processing continues.

**CSQV416E: THREAD NID=*origin-id* IS INVALID****Explanation**

The RESOLVE INDOUBT command determined that the input format for the specified thread *origin-id* is invalid.

**System action**

Command processing continues.

**Operator response**

Ensure that the *origin-id* entered is in the correct format as specified on the RESOLVE INDOUBT command before reentering the command.

**CSQV417I: THREAD NID=*origin-id* NOT FOUND****Explanation**

The RESOLVE INDOUBT command was unable to locate the thread specified by the recovery origin identifier *origin-id* to be scheduled for recovery. Either the thread identifier is incorrect, or the thread no longer resides within an in-doubt state.

**System action**

Command processing continues.

**Operator response**

Ensure that the thread still resides within an in-doubt state before reentering the command.

**CSQV419I: NO ACTIVE CONNECTIONS FOUND****Explanation**

A DISPLAY THREAD(\*) TYPE(ACTIVE) or TYPE(REGIONS) command was issued for all threads, but no active connections were found.

**System action**

Command processing continues.

**CSQV420I: NO INDOUBT THREADS FOUND****Explanation**

A DISPLAY THREAD(\*) TYPE(INDOUBT) command was issued for all threads, but no in-doubt threads were found.

**System action**

Command processing continues.

**CSQV423I: *cmd* MESSAGE POOL SIZE EXCEEDED****Explanation**

The storage requirement needed to generate responses for the command *cmd* exceeded the maximum size of the message buffer pool.

**System action**

Processing is terminated.

**Operator response**

If the command was DISPLAY THREAD, reissue the request specifying either TYPE(INDOUBT) or TYPE(ACTIVE) and a specific connection name, location, luw-id, or combination thereof as appropriate to further constrain the display.

If the command was RESOLVE INDOUBT, reissue the request to resolve the remaining indoubt threads. The threads which have been successfully resolved are indicated by the preceding CSQV414I or CSQV415I messages.

## **CSQV424I: THREAD ID=*thread-xref* COMMIT SCHEDULED**

### **Explanation**

The thread specified by the recovery thread cross-reference identifier *thread-xref* is scheduled for COMMIT recovery action.

### **System action**

Processing continues.

## **CSQV425I: THREAD ID=*thread-xref* BACKOUT SCHEDULED**

### **Explanation**

The thread specified by the recovery thread cross-reference identifier *thread-xref* is scheduled for BACKOUT recovery action.

### **System action**

Processing continues.

## **CSQV427I: THREAD ID=*thread-xref* NOT FOUND**

### **Explanation**

The RESOLVE INDOUBT command was unable to locate the thread specified by the recovery thread cross-reference identifier *thread-xref* to be scheduled for recovery. Either the thread identifier is incorrect, or the thread no longer resides within an in-doubt state.

### **System action**

Command processing continues.

### **Operator response**

Ensure that the thread still resides within an in-doubt state before reentering the command.

## **CSQV428I: CURRENT THREAD LIMIT OF *nnn* EXCEEDED. CREATE THREAD FOR JOB *jobname* DEFERRED**

### **Explanation**

A job requested a connection to the queue manager, but the current number of connections is the maximum allowed, as specified in the CTHREAD system parameter of the queue manager.

### **System action**

The request for a connection is suspended, and waits until another connection ends.

## Operator response

Notify your systems programmer if this occurs frequently.

## System programmer response

If this situation occurs frequently, consider changing the CTHREAD system parameter to increase the limit for connected threads.

# CSQV432I: ACTIVE THREADS –

## Explanation

This message comprises the response to the DISPLAY THREAD TYPE(REGIONS) command. It provides the status information for each active connection, as follows:

```
NAME TYPE USERID ASID THREADS
name type userid asid threads
:
:
DISPLAY ACTIVE REPORT COMPLETE
```

where:

*name* The connection name, which is one of the following:

- z/OS batch job name
- TSO user ID
- CICS APPLID
- IMS region name
- Channel initiator job name

*type* The connection type:

**CICS** From CICS.

**IMS** From IMS.

**BATCH**

From an application using a batch connection.

**RRSBATCH**

From an RRS-coordinated application using a batch connection.

**CHINIT**

From the channel initiator.

*userid* The user ID associated with a connection. If not signed-on, this field is blank.

*asid* A hexadecimal number representing the ASID of the home address space.

*threads* The number of active threads associated with the connection. This excludes fixed internal threads, such as those for the CICS adapter tasks, or the channel initiator listeners.

Exceptionally, the last line might be:

```
DISPLAY ACTIVE TERMINATED WITH MAX LINES
```

if the report was generated in response to a command from a z/OS console and more than 252 response messages were generated. Only 252 response messages are returned.

### **System action**

Processing continues normally.

### **Operator response**

If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

## **CSQV433I: 'QMNAME' NOT ALLOWED, NOT IN QUEUE-SHARING GROUP**

### **Explanation**

A DISPLAY THREAD TYPE(INDOUBT) or RESOLVE INDOUBT command specifying the QMNAME keyword was issued, but the requesting queue manager *qmgr-name* is not in a queue-sharing group or the requested queue manager *qmgr-name* is not a member of the queue-sharing group.

### **System action**

Processing for the command is terminated.

### **Operator response**

Reissue the command correctly.

## **CSQV434E: 'QMNAME' ALLOWED ONLY WITH TYPE(INDOUBT)**

### **Explanation**

A DISPLAY THREAD command specifying the QMNAME keyword was issued, but TYPE(INDOUBT) was not specified.

### **System action**

Processing for the command is terminated.

### **Operator response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

## **CSQV435I: QMNAME(qmgr-name) IS ACTIVE, COMMAND IGNORED**

### **Explanation**

A DISPLAY THREAD TYPE(INDOUBT) or RESOLVE INDOUBT command specifying the QMNAME keyword was issued, but the requested queue manager *qmgr-name* is active.

### System action

Processing for the command is terminated.

### Operator response

Reissue the command using `CMDSCOPE(qmgr-name)` instead of `QMNAME(qmgr-name)`.

## CSQV436I: INDOUBT THREADS FOR *qmgr-name* –

### Explanation

This message comprises the response to the `DISPLAY THREAD TYPE(INDOUBT)` command when the `QMNAME` keyword was specified. It provides the status information for each in-doubt unit-of-work on the requested queue manager; the information is displayed in the same format as in message CSQV406I.

### System action

Processing continues normally.

### Operator response

If the report was truncated, reissue the `DISPLAY THREAD` request specifying a specific connection name.

## CSQV437I: CANNOT RESOLVE THREAD NID=*origin-id*, SOME RESOURCES UNAVAILABLE

### Explanation

The `RESOLVE INDOUBT` command was unable to schedule the thread specified by the recovery origin identifier *origin-id* for recovery, because not all the resources necessary for recovery were available.

### System action

The identified thread will remain in-doubt.

### Operator response

The most likely cause of this is unavailable page sets. Check for the CSQP047E message at the previous checkpoint. Follow the guidance for this message to bring the required page sets online. Once all the page sets are available the `RESOLVE INDOUBT` command can be re-issued to resolve the thread.

## CSQV450I: *csect-name* Unable to open *ddname* data set

### Explanation

The *ddname* data set could not be opened, as reported in the preceding messages.

### **System action**

Processing continues, but functions that require the data set will be inhibited. For example, if the exit library data set CSQXLIB cannot be opened, cluster workload user exits will not be available.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQV451I: *csect-name* Unable to get storage for exits, RC=*return-code***

### **Explanation**

An attempt to obtain some storage for use by exits failed. *return-code* is the return code (in hexadecimal) from the z/OS STORAGE service.

### **System action**

Processing continues, but cluster workload user exits will not be available.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

## **CSQV452I: *csect-name* Cluster workload exits not available**

### **Explanation**

Cluster workload user exit functions will not be available, because:

- There is no CSQXLIB DD statement in the started task JCL procedure for the queue manager, xxxxMSTR
- The EXITTCB system parameter is zero.

### **System action**

Processing continues, but cluster workload user exits will not be available.

### **System programmer response**

If you wish to use cluster workload exits, add the required statement to the queue manager started task JCL procedure and specify a non-zero value for the EXITTCB system parameter. See the WebSphere MQ for z/OS System Setup Guide for more information.

**CSQV453I: *csect-name* Unable to load module-name,  
reason=*ssssrrrr***

**Explanation**

The queue manager was unable to load a module required for exits. *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS LOAD service.

**System action**

Processing continues, but cluster workload user exits will not be available.

**System programmer response**

Check the console for messages indicating why the module was not loaded. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD request.

Ensure that the module is in the required library, and that it is referenced correctly. The queue manager attempts to load this module from the library data sets under the STEPLIB DD statement of its started task JCL procedure *xxxxMSTR*.

**CSQV455E: *csect-name* Cluster workload exit exit-name timed out**

**Explanation**

A cluster workload user exit did not return to the queue manager within the allowed time, as specified by the EXITLIM system parameter.

**System action**

The exit is disabled until its load module in the CSQXLIB data set is refreshed.

**System programmer response**

Investigate why your exit is not returning in time.

**CSQV456E: *csect-name* Cluster workload exit error,  
TCB=*tcb-name* reason=*sssuuu-reason***

**Explanation**

The exit subtask using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a cluster workload user exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

**System action**

The subtask ends abnormally, and a dump is normally issued. The exit is disabled until its load module in the CSQXLIB data set is refreshed.



## System programmer response

User completion codes are generally the result of errors detected by the exit itself. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

### **CSQV457E: *csect-name* Unable to establish ESTAE, RC=*return-code***

#### Explanation

During startup processing, the recovery environment for a cluster workload user exit task could not be set up. *return-code* is the return code (in hexadecimal) from the z/OS ESTAE service.

#### Severity

8

#### System action

The task does not start. Cluster workload user exits will be available providing at least one task starts.

#### System programmer response

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ESTAE request. If you are unable to solve the problem, contact your IBM support center for assistance.

### **CSQV459I: *csect-name* Unable to free storage for exits, RC=*return-code***

#### Explanation

An attempt to release some storage that was used by exits failed. *return-code* is the return code (in hexadecimal) from the z/OS STORAGE service.

#### System action

Processing continues.

#### System programmer response

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

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## Instrumentation facilities messages (CSQW...)

### **CSQW001I: ASYNCHRONOUSLY GATHERED DATA IS BEING FORMATTED**

#### **Explanation**

The dump formatting exit is not using summary dump records for formatting. The formatted control blocks might not contain the same values as they did at the time of the error.

#### **System action**

Dump formatting continues.

#### **System programmer response**

If you want summary dump records to be used, do not specify the 'SUMDUMP=NO' operand on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS).

### **CSQW002I: SUMMARY DUMP RECORDS ARE BEING FORMATTED**

#### **Explanation**

The dump formatting exit is using MQ summary dump record information to format its control blocks.

#### **System action**

Dump formatting continues.

#### **System programmer response**

If you do not want MQ summary dump records to be used in formatting, specify the 'SUMDUMP=NO' and 'SUBSYS=subsystem name' on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS). Both operands are required.

### **CSQW004E: ONE OR MORE OPERANDS ARE NOT VALID. FORMATTING TERMINATED**

#### **Explanation**

An invalid operand was specified on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS).

#### **System action**

The dump formatting exit terminates.

### **System programmer response**

Correct the operand specified by message CSQW007E.

## **CSQW006E: THE ERLY BLOCK CANNOT BE ACCESSED OR IT IS INVALID**

### **Explanation**

The dump formatting exit could not locate its anchor block.

### **System action**

The dump formatting exit terminates.

### **System programmer response**

Specify 'SUBSYS=subsystem name', and 'SUMDUMP=NO' on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit if you are using line mode IPCS.

## **CSQW007E: OPERAND IS NOT VALID: XXXX**

### **Explanation**

The specified operand was not a valid dump formatting operand.

### **System action**

The dump formatting exit terminates.

### **System programmer response**

Check the dump formatting operands.

## **CSQW008E: THE SCOM CANNOT BE ACCESSED OR IT IS INVALID**

### **Explanation**

An error was encountered while trying to retrieve the SCOM.

### **System action**

The dump formatting exit terminates.

### **System programmer response**

If 'SUMDUMP=NO' was specified on the MQ DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS) omit it and resubmit the request. Otherwise, specify this operand, and resubmit the request.

## **CSQW009E: THE ADDRESS SPACE REQUESTED IS NOT AVAILABLE**

### **Explanation**

The MQ control blocks for the address space specified could not be located.

### **System action**

Formatting continues of any other requested dump segment.

### **System programmer response**

Check the ASID specified. The ASID must be specified in hexadecimal.

## **CSQW010E: THE TRACE RMFT CANNOT BE ACCESSED OR IT IS INVALID**

### **Explanation**

The MQ trace table could not be located.

### **System action**

Formatting of the MQ trace table is bypassed, and formatting continues of any other requested dump segment.

### **System programmer response**

If 'SUMDUMP=NO' was specified try formatting the dump again using the summary dump because it could contain the information required to access this data.

If 'SUMDUMP=NO' was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

## **CSQW011I: A LARGER REGION SIZE IS REQUIRED FOR THIS JOB**

### **Explanation**

The dump formatting exit could not obtain a large enough work buffer to process the summary dump records.

### **System action**

The dump formatting exit terminates.

### **System programmer response**

Rerun the job, specifying a larger TSO region size (or a larger region size if running in batch).

## **CSQW013I: DMPW NOT FOUND IN SUMMARY DUMP**

### **Explanation**

The dump formatting exit was unable to locate the DMPW control block in the summary record portion of the dump data set. Because the DMPW provides the main anchor block for the dump formatter, processing is terminated.

### **System action**

The dump formatting exit terminates.

### **System programmer response**

Specify 'SUBSYS=xxxx' to identify which address space to format information for.

## **CSQW014I: REQUIRED SUMMARY DUMP RECORDS ARE NOT IN THIS DUMP. WILL ATTEMPT TO FORMAT FROM NON-SUMMARY DUMP**

### **Explanation**

Expected data could not be found in the summary dump. This message is issued for information only. Dump formatting continues.

### **System action**

Formatting is attempted using information found from the full dump instead of the summary dump.

## **CSQW015I: SSCVT NOT LOCATED, CHECK THE SUBSYSTEM NAME SPECIFIED**

### **Explanation**

In a search through the SSCVT chain, a match of the subsystem name in the SSCVTs and the subsystem name specified was not found.

### **System action**

Formatting for the named subsystem is not done.

### **System programmer response**

Specify the subsystem name correctly.

## **CSQW016I: THE RMVT CANNOT BE ACCESSED OR IT IS INVALID**

### **Explanation**

The dump formatting exit could not locate the RMVT. The RMVT is required for formatting the MQ trace table and a number of other MQ control blocks.

### **System action**

Formatting of the MQ trace table is bypassed, and formatting of other requested dump segments continues.

### **System programmer response**

If 'SUMDUMP=NO' was specified try formatting the dump again using the summary dump because it could contain the information required to access this data.

If 'SUMDUMP=NO' was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

## **CSQW017E: MAXIMUM STACK LEVEL EXCEEDED**

### **Explanation**

This condition is usually caused by the MQ control block formatter looping. The stack array is depleted and can no longer accommodate control blocks.

### **System action**

Dump formatting is terminated.

### **System programmer response**

Contact your IBM support center.

## **CSQW018I: SUBSYS= SPECIFIED INCORRECTLY OR MISSING. REQUIRED IF SUMDUMP=NO SPECIFIED**

### **Explanation**

The 'SUMDUMP=NO' option was specified, but either the 'SUBSYS=' operand is missing, or it was incorrectly specified.

### **System action**

Dump formatting is terminated.

### **System programmer response**

Specify the name of the subsystem in the 'SUBSYS=' operand, and resubmit the request.

## **CSQW020I: UNSUCCESSFUL SEARCH FOR THE ERLY CONTROL BLOCK**

### **Explanation**

A key control block could not be located in the dump.

**System action**

Dump formatting is terminated.

**System programmer response**

Check that the 'SUBSYS=' operand was correctly specified, and resubmit the request.

**CSQW022I: THE RESIDENT TRACE WAS NOT ACTIVE AT THE TIME OF DUMP****Explanation**

Trace table formatting has been attempted, but no trace table existed at the time of the dump.

**System action**

Dump formatting continues with any other control blocks that were to be formatted.

**CSQW023I: THE TRACE TABLE ENTRY IS OUT OF SEQUENCE OR OVERLAID****Explanation**

A trace entry is overlaid by another trace entry of a different time stamp. This message is issued to flag an unrecognized trace entry. This error can occur if the dump is initiated by operator command, because the MQ address space continues to run while the dump is being taken.

**System action**

Formatting of the trace table continues.

**CSQW024I: TRACE TABLE****Explanation**

This identifies the start of the formatted trace table.

**System action**

Trace table formatting follows.

**CSQW025I: ERROR ACCESSING THE TRACE TABLE****Explanation**

A nonzero return code was returned from the storage access routine when accessing the trace table.

**System action**

Trace table formatting is bypassed.

**CSQW026I: CONTROL BLOCK SUMMARY (ALL ADDRESS SPACES)****Explanation**

This messages provides descriptive information about the type of formatting being produced.

**System action**

Dump formatting continues.

**CSQW027I: CONTROL BLOCK SUMMARY (SINGLE ADDRESS SPACE)****Explanation**

This messages provides descriptive information about the type of formatting being produced.

**System action**

Dump formatting continues.

**CSQW028I: CONTROL BLOCK SUMMARY (LONG FORM GLOBAL)****Explanation**

This messages provides descriptive information about the type of formatting being produced.

**System action**

Dump formatting continues.

**CSQW029I: CONTROL BLOCK SUMMARY (SHORT FORM GLOBAL)****Explanation**

This messages provides descriptive information about the type of formatting being produced.

**System action**

Dump formatting continues.



## **CSQW030E: DUMP ACCESS ERROR ACCESSING THE CONTROL BLOCK STRUCTURE TABLE IN THE DUMP**

### **Explanation**

A control block identifying the structure of MQ control blocks could not be found.

### **System action**

Control block formatting is terminated.

### **System programmer response**

Check the z/OS console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQ, see the WebSphere MQ for z/OS Problem Determination Guide for information about reporting the problem.

## **CSQW032E: ERROR ACCESSING ANCHOR CONTROL BLOCK**

### **Explanation**

A control block cannot be accessed from the dump.

### **System action**

Control block formatting is terminated.

### **System programmer response**

Check the z/OS console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQ, see the WebSphere MQ for z/OS Problem Determination Guide for information about reporting the problem.

## **CSQW033I: BEGINNING FORMATTING**

### **Explanation**

Formatting of MQ control blocks is beginning.

## **CSQW034I: TRACE TABLE AND GLOBAL BLOCKS ALREADY FORMATTED**

### **Explanation**

An indicative dump is being requested. The MQ trace table and the global blocks have already been formatted with first dump (full dump) for this abend dump (SNAP) invocation. These are, therefore, not formatted for this task.

## **CSQW035I: WARNING – NO TASK RELATED CONTROL BLOCKS FOR THIS TASK**

### **Explanation**

The task for which the dump is being requested is not identified to MQ. Task-related control blocks are not dumped. The MQ trace table and global blocks are dumped only if the SYSABEND DD statement is present and only if this is the first of the dumps (full dump) for this abend dump (SNAP) invocation.

### **System action**

No MQ formatting is done for the specified task.

## **CSQW036I: CONTROL BLOCKS FOR TASKS ASSOCIATED WITH THE ABOVE RECOVERY COORDINATOR TASK**

### **Explanation**

The formatted blocks following this message are associated with tasks that have been identified to MQ with the 'recovery coordinator = no' option. These tasks might not have invoked SNAP, but they are associated with the task that did.

### **System action**

The appropriate control blocks are formatted.

### **System programmer response**

Examine the control blocks for relevant information.

## **CSQW037I: TASK RELATED CONTROL BLOCKS FOR THIS TASK**

### **Explanation**

The formatted blocks following this message are associated with the current task.

### **System action**

The appropriate control blocks are formatted.

### **System programmer response**

Examine the control blocks for relevant information.

## **CSQW038I: END OF FORMATTING**

### **Explanation**

Formatting of MQ control blocks is completed.

## **CSQW039I: FORMATTING COMPLETE FOR THIS DUMP**

### **Explanation**

The dump formatting exit has completed its processing for this dump data set.

## **CSQW041E: THE TAB CANNOT BE ACCESSED OR IT IS INVALID**

### **Explanation**

The MQ trace table anchor block could not be located.

### **System action**

Formatting of the MQ trace table is bypassed, and formatting of any other requested dump segment continues.

### **System programmer response**

If 'SUMDUMP=NO' was specified try formatting the dump again using the summary dump because it could contain the information required to access this data.

If 'SUMDUMP=NO' was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

Check the z/OS console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQ, see the WebSphere MQ for z/OS Problem Determination Guide for information about reporting the problem.

### **Problem determination**

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

## **CSQW042E: REQUIRED SUMMARY DUMP RECORDS ARE NOT IN THIS DUMP. RERUN SPECIFYING SUBSYS= PARAMETER**

### **Explanation**

The summary dump records were not found in the dump. When this occurs the dump formatter needs the subsystem name to be able to identify which address space is to be formatted.

### **System action**

Dump formatting is terminated.

## System programmer response

Rerun the formatting specifying the parameter the subsystem name (using 'SUBSYS=').

## CSQW049I: OLDEST SLOT ADDRESS INVALID, FORMATTING TRACE TABLE FROM FIRST ENTRY

### Explanation

There are several pointers in the control block that defines the trace. One points to the start of the storage that contains the trace data, one to the end, and one to the next free record. The formatter has detected that the pointer to the next free record is outside the range indicated by the pointers to the start and end of the storage.

### System action

Dump formatting continues, but from the physical start of the trace table, not the oldest record.

### System programmer response

If the time of day values are meaningful, and in sequence, scan down the formatted trace to find the latest trace record written.

### Problem determination

This error occurs when the trace control block has been overwritten, and could be a symptom of a larger problem.

## CSQW050I: ssnm NO SDWA/LOGREC, ABN=comp-reason, U=userid, M=module, C=compid.vrm.comp-function

### Explanation

This message provides the default SVC dump title (SDUMP) associated with the SYS1.DUMP data set, when an SDWA was unavailable during recovery processing. The individual variable fields contain:

Field	Contents
-------	----------

<i>ssnm</i>	MQ subsystem name
-------------	-------------------

<b>ABN</b>	The abend completion code, followed by the abend reason code
------------	--

<b>U</b>	The user ID for the individual subsystem user
----------	---

<b>M</b>	The function recovery routine responsible for the dump
----------	--

<b>C</b>	The component-ID
----------	------------------

<i>vrm</i>	The MQ version, release number, and modification level
------------	--

<i>comp-function</i>	
----------------------	--

The component-ID function

### System action

Dump processing continues.

## **System programmer response**

Since the SDWA provides important diagnostic information to assist in problem determination, the recovery environment at time of error should be examined to determine why an SDWA was not provided for this ABEND.

In a non-recovery environment, there might be valid reasons for the lack of an SDWA (for example, the operator could have initiated the dump).

## **Problem determination**

In a recovery environment, functional recovery routines (FRRs) are guaranteed an SDWA by Recovery Termination Manager (RTM). Therefore, the recovery routine is most likely an ESTAE recovery routine. The primary reason for an SDWA not being provided to an ESTAE routine is due to insufficient storage available during recovery processing. The region sizes allocated to the function in error should be examined to ensure sufficient storage is available.

In a non-recovery environment, where there is no RTM, no SDWA is produced.

## **CSQW051E: ERROR DURING DUMP PROCESSING**

### **Explanation**

This message is generated by the recovery routine of the SDUMP dump data gathering service when an error is encountered during dump processing.

### **System action**

Processing of the SUMLSTA user storage areas is terminated, an SVC dump is requested, and control is returned to RTM.

### **System programmer response**

This error is documented in a SYS1.LOGREC record. This message can be issued because of an error in the invocation of SDUMP, or because of an error in SDUMP itself, or during control block examination and access.

## **CSQW053I: VRA DIAGNOSTIC INFORMATION REPORT**

### **Explanation**

The variable recording area (VRA) is part of the system diagnostic work area (SDWA) and contains MQ diagnostic information. The VRA is extracted and displayed in this report.

For information about this report, see the WebSphere MQ for z/OS Problem Determination Guide.

### **System action**

Dump formatting continues.

## **CSQW054I: NO VRA DATA RECORDED IN SDWA**

### **Explanation**

The SDWA obtained from the SYS1.DUMP data set contained no diagnostic information in the VRA.

### **System action**

VRA report generation is bypassed, dump format processing continues.

## **CSQW055I: UNABLE TO LOCATE SDWA**

### **Explanation**

The z/OS summary dump data access service routine (IEAVTFRD) was unable to locate the SDWA in the summary data portion of the SYS1.DUMP data set. SVC dumps only contain an SDWA if they are initiated by MQ. If the dump was initiated by any other means (such as the operator) the SDWA will not be present.

### **System action**

No VRA is produced, and dump formatting continues.

## **CSQW056I: VRA DIAGNOSTIC REPORT COMPLETE**

### **Explanation**

The dump formatter has completed processing of the VRA diagnostic report.

### **System action**

Dump formatting continues.

## **CSQW059I: SUMMARY OF CONNECTED JOBS**

### **Explanation**

A summary of information about connected jobs follows.

### **System action**

Job summary information follows.

## **CSQW060I: BEGIN SAVE AREA TRACE**

### **Explanation**

This message identifies the start of the MQ register save area trace report which appears in the formatted section of an MQ SVC dump. This report is useful for problem determination because it contains the save areas for the agent execution block (EB) in error, and all associated agent EBs, traced from the point of error and displayed in order of invocation.

### System action

Save area trace format processing continues for the agent EB in error, and all associated agent EBs.

## CSQW061I: SAVE AREA TRACE COMPLETE

### Explanation

This message indicates that the MQ formatted save area trace report (CSQW060I) is complete.

### System action

Dump formatting continues.

## CSQW062I: R6 (R6-contents) DOES NOT CONTAIN A VALID EB ADDRESS

### Explanation

During dump format processing of the MQ formatted save area trace report (CSQW060I), register 6 (R6) did not contain the address of a valid agent execution block (EB).

### System action

Save area trace format processing is terminated for the current agent EB, and all prior EBs.

### Problem determination

Register 6 does not contain the current EB address or a prior EB address.

Refer to the abend reason and completion codes associated with the original error to determine the use of register 6 prior to the error.

## CSQW063E: name (address) ASID (asid) NOT FOUND IN DUMP

### Explanation

During processing of the save area trace report (CSQW060I), a control block or save area was not found in the dump data set.

Because the dump formatter utilizes the MQ and z/OS control blocks defined under the *name* field of this message to locate individual register save areas, subsequent save areas located using the *named* control block or save area will not be displayed in the report.

*name* Identifies the name of the control block or save area that was not found in the dump data set:

**SA** Indicates a save area

**ASCE** MQ address space control element

**EB** MQ execution block

**TCB** z/OS task control block  
**RB** z/OS request block  
**XSB** z/OS extended status block  
**PSA** z/OS prefix save area  
**SDWA**  
z/OS system diagnostic work area  
**STSV** z/OS SRB status save area  
**STKE** z/OS cross memory stack element

*address* The address of the named control block or save area.

*asid* The address space identifier associated with the control block or save area.

Due to the execution structures and environmental restrictions of selected MQ and z/OS control structures, some control blocks and save areas associated with these execution environments will not be included in the dump data set.

### **System action**

Register save area trace format processing for the current save area chains is terminated. Subsequent save area processing will vary depending on the specific control block or save area that was available, and the MQ agent execution environments at the time of the error.

### **Problem determination**

During z/OS RTM recovery processing, MQ attempts to include all control blocks (both MQ and z/OS), and the pertinent MQ save areas in the dump data set, regardless of the type of error. Control blocks and save areas associated with the MQ address space at time of error will be included in the dump data set.

## **CSQW064I: \*ERROR\* BLOCK NOT FOUND IN DUMP**

### **Explanation**

The dump formatter was unable to format a control block because the storage could not be found.

### **System action**

Dump formatting continues.

### **Problem determination**

This problem can occur for the following reasons:

- The dump is incomplete, this could be because:
  - The SYS1.DUMPxx data set was not large enough when the dump was taken
  - Errors occurred when the SYS1.DUMPxx data set was copied
- A pointer within a control block contains invalid data
- The length of a control block is invalid



This could be a symptom of a more significant problem. Identifying which control block contains the incorrect value could help you to solve other problems.

## **CSQW065I: \*ERROR\* BLOCK LENGTH INCORRECT**

### **Explanation**

During the formatting of a control block, a mismatch was found between the expected length and the value determined from the dump.

### **System programmer response**

You might find this message helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

## **CSQW066I: \*ERROR\* BLOCK ID INCORRECT**

### **Explanation**

Each control block type has a unique identifier for verification. During the formatting of the control block, a mismatch occurred between the value expected and the value found in the control block in the dump.

### **System programmer response**

This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

## **CSQW067I: \*ERROR\* BLOCK CHAINED FROM THIS BLOCK NOT FOUND IN DUMP**

### **Explanation**

Control blocks can contain pointers to other control blocks. A control block pointed to by the current control block could not be found in the dump.

### **System programmer response**

This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem. The control block pointed to will have error message CSQW064I associated with it.

### **Problem determination**

This problem can occur because:

- The dump is incomplete, this could be because:
  - The SYS1.DUMPxx data set was not large enough when the dump was taken
  - Errors occurred when the SYS1.DUMPxx data set was copied
- A pointer within the control block contained invalid data

## **CSQW068I: \*ERROR\* BLOCK CHAINED FROM THIS BLOCK HAS INCORRECT ID**

### **Explanation**

Each control block type has a unique identifier for verification. During the formatting of a control block pointed to by the current control block, a mismatch occurred between the value expected and the value found in the control block in the dump.

### **System programmer response**

This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted. The control block in error has error message CSQW066I associated with it.

## **CSQW069I: \*ERROR\* BLOCK EYECATCHER INCORRECT**

### **Explanation**

Each control block type has a unique eyecatcher for verification. During the formatting of the control block, a mismatch occurred between the value expected and the value found in the control block in the dump.

### **System programmer response**

This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

## **CSQW070I: DUMP TITLE dump-title**

### **Explanation**

This shows the title of the dump.

## **CSQW072I: ENTRY: MQ user parameter trace**

### **Explanation**

This message is inserted into the formatted MQ trace to indicate that the control block was traced on entry to MQ.

## **CSQW073I: EXIT: MQ user parameter trace**

### **Explanation**

This message is inserted into the formatted MQ trace to indicate that the control block was traced on exit from MQ.

## **CSQW074I: ERROR: MQ user parameter trace**

### **Explanation**

This message is inserted into the formatted MQ trace to indicate that the control block was traced because it was determined to be in error.

## **CSQW075I: WARNING - data was truncated at 256 bytes**

### **Explanation**

This message is inserted into the formatted MQ trace when a control block has exceeded a 256 byte length limit.

## **CSQW076I: Return code was *mqrc***

### **Explanation**

This message is inserted into the formatted MQ trace when an error has been detected. *mqrc* is the return code. Refer to API completion and reason codes for information about this code.

## **CSQW105E: ERROR DURING LOAD OR VALIDATION OF A CONTROL BLOCK STRUCTURE TABLE MODULE**

### **Explanation**

The MQ dump formatting facility cannot be used to format control blocks. An error occurred during the startup process while attempting to LOAD one of the Control Block Structures Table modules (CSQWDST1, CSQWDST2, CSQWDST3, and CSQWDST4) from the MQ program library.

### **System action**

Queue manager startup processing continues.

### **System programmer response**

If you expect to experience problems, stop your queue manager, resolve the problem, and restart. If however you do not anticipate that this error will cause problems, you can stop and restart the queue manager at a convenient time.

### **Problem determination**

The modules must reside in an MQ program library named in the started task JCL procedure (xxxxMSTR) used to start the queue manager.

The named modules prohibit the use of the MQ dump formatting facility to format SVC dumps that occur during the current execution of the queue manager. The named modules are not required for execution of the queue manager itself.

## **CSQW108E: UNABLE TO AUTOMATICALLY START 'type' TRACE**

### **Explanation**

System parameters indicated that an MQ trace should be started automatically during queue manager initialization, but the queue manager was unable to start the trace.

### **System action**

Queue manager initialization continues.

### **System programmer response**

Start the trace with the START TRACE command after queue manager initialization is complete.

## **CSQW109E: TRACE INITIALIZATION PARAMETERS UNAVAILABLE, DEFAULTS USED FOR 'type' TRACE**

### **Explanation**

The trace function was unable to access the trace initialization parameters defined by the CSQ6SYSP macro. Default values as defined by that macro are assumed for trace parameters.

### **System action**

Queue manager initialization continues.

### **System programmer response**

Determine if the system parameter load module (the default version is called CSQZPARM) is missing or inaccessible. Trace can be started with the START TRACE command.

## **CSQW120E: DEST VALUE IS INVALID FOR 'type' TRACE**

### **Explanation**

A trace command has been entered, but the specified destination value is not valid for the trace type requested.

### **System action**

Processing for the TRACE command is terminated.

### **System programmer response**

If a START TRACE command was entered, specify a valid destination for the trace. Otherwise, a DISPLAY TRACE command can be issued to determine what traces are currently active. See the WebSphere MQ Script (MQSC) Command Reference manual for information about valid destinations.

## CSQW121E: CLASS VALUE IS INVALID FOR 'type' TRACE

### Explanation

A trace command has been entered, but the specified class value is not valid for the trace type requested.

### System action

Processing for the TRACE command is terminated.

### System programmer response

If a START TRACE command was entered, specify a valid class for the trace. Otherwise, a DISPLAY TRACE command can be issued to determine what options are currently active. See the WebSphere MQ Script (MQSC) Command Reference manual for information about valid classes.

## CSQW122E: 'keyword' IS NOT VALID FOR 'type' TRACE

### Explanation

A trace command has been entered, but *keyword* is not valid for the trace type specified.

### System action

Processing for the TRACE command is terminated.

### System programmer response

Either the named keyword must be omitted from the command, or a different type of trace must be specified. See the WebSphere MQ Script (MQSC) Command Reference manual for information about valid combinations of keywords and trace types.

## CSQW123I: *csect-name* TRACE RECORDING HAS BEEN RESUMED ON *dest*

### Explanation

*dest* destination has resumed acceptance of trace data after an error.

### System action

Data recording is resumed.

## CSQW124E: *csect-name* 'type' TRACE TERMINATED RC=code RMID=*nn*

### Explanation

During processing *type* trace, processing ended due to an error. A trace type of blank indicates all tracing has stopped. RMID, displayed in decimal, identifies the

resource manager (for a list of MQ RMIDs, see the WebSphere MQ Script (MQSC) Command Reference manual). *code*, displayed in hexadecimal, specifies the return, reason, or abend code associated with the action. Refer to Chapter 2, "Codes," on page 711 for information about these codes.

Further collection of the named trace is stopped. If it is necessary to resume collection of the trace, a START TRACE command can be issued. However if another error is experienced, the problem should be resolved before starting the trace collection again.

### **System action**

Processing for the named trace type is stopped. The message is not externalized by the functional recovery routine, but is output whenever an IFC event is driven at a later time. A trace type of blank indicates all tracing has stopped.

### **System programmer response**

Investigate the reasons for the error. If necessary to collect the named trace, issue a START TRACE command to resume processing.

### **Problem determination**

If you are unable to resolve the problem, save the SYS1.LOGREC, and contact your IBM support center.

## **CSQW125E: MULTIPLE VALUES NOT ALLOWED FOR keyword AND keyword**

### **Explanation**

Multiple values were specified for both of the named keywords. At most one of these keywords is allowed multiple values on a single command.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Reenter a valid command. See the WebSphere MQ Script (MQSC) Command Reference manual for additional information.

## **CSQW126E: 'type' TRACE NOT ALLOWED, ACTIVE TRACE TABLE FULL**

### **Explanation**

The *type* trace cannot be started because the active trace table has reached the maximum number of active traces allowed.

### **System action**

Processing for the command is terminated.

## System programmer response

Use the DISPLAY TRACE command to see if an active trace could be stopped. An active trace must be stopped before any other start trace command will be processed.

## CSQW127I: CURRENT TRACE ACTIVITY IS –

### Explanation

This message is issued in response to the DISPLAY TRACE command. For each trace that is active, the message indicates the trace number, the type of trace, the class(es) within type, the destination(s) for the trace entries, the user ID, and the RMID(s), as follows:

```
TNO TYPE CLASS DEST USERID RMID
tno type class dest userid rmid
:
END OF TRACE REPORT
```

The trace number *tno* can be:

- 01-03 A trace started automatically when the queue manager started, or a trace started by a START TRACE command.
- 04-32 A trace started by a START TRACE command.
- 00 The global trace started automatically when the channel initiator started.

## CSQW130I: 'type' TRACE STARTED, ASSIGNED TRACE NUMBER tno

### Explanation

In response to a command, or automatically during queue manager initialization, a *type* trace has been started and assigned the trace number *tno*. Multiple messages are possible when the start command specifies multiple user identifiers.

### System action

Processing for the request continues. If the specified trace applies to the channel initiator, a request will be queued: see message CSQW152I.

## CSQW131I: STOP TRACE SUCCESSFUL FOR TRACE NUMBER(S) tno,...

### Explanation

In response to a command, the trace number(s), *tno,...*, have been stopped. Up to five trace numbers can be listed. If more than five traces have been stopped, another CSQW131I message is sent.

### System action

Processing for the request continues. If the specified trace applies to the channel initiator, a request will be queued: see message CSQW152I.

## CSQW132I: ALTER TRACE SUCCESSFUL FOR TRACE NUMBER *tno*

### Explanation

The trace number *tno* has been altered.

### System action

Processing for the request continues.

## CSQW133E: *csect-name* TRACE DATA LOST, *dest* NOT ACCESSIBLE RC=*code*

### Explanation

The destination specified stopped accepting trace data during a trace. Some external condition caused the data rejection. The reason for the error is defined by the return code (RC). The value of *code* can be:

- The hexadecimal return code from SMF. See the *MVS System Management Facilities (SMF)* manual for the specific value.
- The hexadecimal return code from the GTF request
  - 04 GTF trace and/or USR tracing is not active
- The hexadecimal return code from the SRV request
  - 10 The serviceability routine is absent
  - xx The serviceability routine return code

### System action

Trace processing continues, although data is lost.

### System programmer response

Investigate the GTF or SMF facility to determine why data is not being accepted. You can issue a START TRACE command to record the data at another destination. The DISPLAY TRACE command shows what types of data were recorded at the specified destination.

See the *MVS System Management Facilities (SMF)* manual for an explanation of the return code value.

## CSQW135I: 'type' TRACE ALREADY ACTIVE, TRACE NUMBER *tno*

### Explanation

*type* trace was already active with trace number *tno*.

### System action

Processing for the trace already in progress will continue.



## **CSQW137I: SPECIFIED TRACE NOT ACTIVE**

### **Explanation**

Either:

- A command requested action for a specific trace, but that trace could not be found in the active trace table.
- A command requested action for all traces, but there are no traces active.

### **System action**

Processing for the command continues.

### **System programmer response**

Issue an unqualified DISPLAY TRACE command (that is, DISPLAY TRACE(\*) without any other keywords) to determine all the active trace entries.

## **CSQW138E: IFCID ifcid-number IS INVALID**

### **Explanation**

The specified IFCID number is outside the range of valid IFCID numbers or is an IFCID number which is not allowed on a trace command.

### **System action**

Processing of the trace command is terminated before any trace functions are performed.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for the range of valid IFCID numbers.

## **CSQW144E: CHANNEL INITIATOR NOT ACTIVE**

### **Explanation**

TRACE(CHINIT) was specified, but the channel initiator is not active.

### **System action**

The command is not actioned.

### **System programmer response**

Issue the START CHINIT command to start the channel initiator, and reissue the command.

## **CSQW149E: RMID 231 IS OBSOLETE – USE TRACE(CHINIT)**

### **Explanation**

The command specifies RMID 231, which was formerly used for channel initiator traces, but is now obsolete. For channel initiator traces, specify TRACE(CHINIT).

### **System action**

The command is not actioned.

### **System programmer response**

Issue the command correctly. If both queue manager and channel initiator tracing is required, issue two separate commands.

## **CSQW152I: TRACE REQUEST FOR CHANNEL INITIATOR QUEUED**

### **Explanation**

Initial processing for a trace command has completed successfully. The command requires further action by the channel initiator, for which a request has been queued.

### **System action**

A request has been queued for the channel initiator. Further messages will be produced when the command has been completed.

## **CSQW153E: *csect-name* STORAGE NOT AVAILABLE FOR NEW TRACE TABLE**

### **Explanation**

There is insufficient storage in ECSA for a new global trace table as requested by a previous SET SYSTEM TRACTBL command.

### **System action**

Processing continues using the existing global trace table.

### **System programmer response**

Investigate how ECSA storage is being used. Issue a further SET SYSTEM TRACTBL command to set the trace table size to an acceptable value.

## **CSQW200E: Error during STORAGE OBTAIN macro. Return code=rc**

### **Explanation**

The z/OS STORAGE macro was issued to obtain storage for the trace formatter. The request failed with return code *rc*.

### **System action**

Formatting of control blocks stops, and a hexadecimal dump of the record is produced. (This might be only part of the logical record.)

### **System programmer response**

See the *MVS Assembler Services Reference* manual for information about *rc*. You can usually resolve this problem by increasing the size of your TSO or batch region. When the problem has been solved, retry the operation.

## **CSQW201E: Error during STORAGE RELEASE macro. Return code=rc**

### **Explanation**

The z/OS STORAGE macro was issued to release some storage. The request failed with return code *rc*.

### **System action**

Formatting of control blocks stops, and a hexadecimal dump of the record is produced. (This might be only part of the logical record.)

### **System programmer response**

Try processing the dump again. If the problem persists, note the value of *rc*, and contact your IBM support center.

## **CSQW202E: Incomplete trace record detected**

### **Explanation**

A long trace record has been segmented, and the start record for the record currently being processed has not been processed.

This usually occurs when records within a time range have been selected for processing. The record with the start of segment flag is probably before the start of the selected time interval. This can also occur if the Generalized Trace Facility (GTF) is unable to write all records to the GTF data set.

### **System action**

A hexadecimal dump of the record is produced, and formatting continues with the next record. (You will receive this message for each subsequent part of this logical record.)

### **System programmer response**

Select a slightly earlier start time for your time interval (one tenth of a second for example) and retry the operation. If this is not successful, it is possible that your trace table has wrapped, and the start record has been overwritten.

## **CSQW204E: Internal error**

### **Explanation**

An internal error has occurred.

### **System action**

A hexadecimal dump of the record is produced, and formatting continues with the next record. This message might be followed by message CSQW202E.

### **System programmer response**

Try processing the dump again. If the problem persists, contact your IBM support center.

## **CSQW205E: Internal error**

### **Explanation**

An internal error has occurred.

### **System action**

This, and all subsequent records are displayed in hexadecimal. MQ trace formatting is suppressed.

### **System programmer response**

Try processing the dump again. If the problem persists, contact your IBM support center.

## **CSQW206I: Accounting record**

### **Explanation**

This message identifies this record as an accounting record.

### **System action**

A hexadecimal dump of the record is produced, and formatting continues with the next record.

## **CSQW207I: A Null Self Defining section was detected**

### **Explanation**

The MQ trace formatter has detected a self-defining section of zero length.

### **System action**

Formatting continues with the next self-defining section.

## **CSQW208E: Invalid address detected**

### **Explanation**

The MQ trace formatter has been passed an invalid address. The address is in low storage.

### **System action**

Formatting of the record is suppressed. Formatting continues with the next record.

## **CSQW209I: A null length data item was detected**

### **Explanation**

The MQ trace formatter detected a data item of zero length.

### **System action**

Formatting continues with the next data item.

## **CSQW210E: Invalid record detected**

### **Explanation**

The format of a record was different to the format expected by the MQ trace formatter.

### **System action**

A hexadecimal dump is produced, and formatting continues with the next record.

### **System programmer response**

Try processing the dump again. If the problem persists, contact your IBM support center.

## **CSQW701E: *csect-name* ENFREQ request failed, RC=*rc***

### **Explanation**

A z/OS ENFREQ request failed. *rc* is the return code (in hexadecimal) from the request.

### **System action**

Processing continues.

### **System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return code the ENFREQ request.

---

## Distributed queuing messages (CSQX...)

### CSQX000I: IBM WebSphere MQ for z/OS version

#### Explanation

This message is issued when the channel initiator starts, and shows the release level.

#### Severity

0

### CSQX001I: *csect-name* Channel initiator starting

#### Explanation

The channel initiator address space is starting, in response to a START CHINIT command.

#### Severity

0

#### System action

Channel initiator startup processing begins. Message CSQX022I is sent when the startup process has completed.

### CSQX002I: *csect-name* Queue-sharing group is *qsg-name*

#### Explanation

This is issued during channel initiator startup processing or in response to the DISPLAY CHINIT command if the queue manager that the channel initiator uses is in a queue-sharing group.

#### Severity

0

#### System action

Processing continues.

### CSQX003I: *csect-name* Obsolete parameter module ignored

#### Explanation

The START CHINIT command specified a parameter module name using the PARM keyword. The use of a channel initiator parameter module is obsolete, so the name is ignored.

### **Severity**

0

### **System action**

Processing continues.

### **System programmer response**

Channel initiator parameters are specified by queue manager attributes. Use the ALTER QMGR command to set the values you want.

## **CSQX004I: Channel initiator is using mm MB of local storage, nn MB are free**

### **Explanation**

Displays the amount of virtual storage currently used and available in the extended private region. Both values are displayed in megabytes (1048576 bytes), and are approximations.

### **System action**

Processing continues.

### **System programmer response**

No action is required at this time. However, a frequent occurrence of this message may be an indication that the system is operating beyond the optimum region for the current configuration.

## **CSQX005E: *csect-name* Channel initiator failed to start**

### **Explanation**

A severe error, as reported in the preceding messages, occurred during channel initiator startup processing.

### **Severity**

8

### **System action**

The channel initiator started task terminates.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX006E: *csect-name* Channel initiator failed while stopping**

### **Explanation**

A severe error, as reported in the preceding messages, occurred during channel initiator termination processing.

### **Severity**

8

### **System action**

The channel initiator started task terminates.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX007E: *csect-name* Unable to connect to queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt by the channel initiator to connect to the queue manager was unsuccessful.

### **Severity**

8

### **System action**

If the error occurred during the channel initiator startup procedure, the channel initiator does not start. In other cases, the component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, or listener) does not start and the function it provides is unavailable; in most cases, the end result is that the channel initiator terminates.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center.

## **CSQX008E: *csect-name* Unable to disconnect from queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An attempt by the channel initiator to disconnect from the queue manager was unsuccessful.



**Severity**

4

**System action**

Processing continues.

**System programmer response**

Refer to API completion and reason codes for information about *mqqc* and *mqrc* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center.

**CSQX009I: *csect-name* Channel initiator stopping****Explanation**

A severe error, as reported in the preceding messages, occurred during channel initiator processing; the channel initiator is unable to continue.

**Severity**

8

**System action**

The channel initiator terminates.

**System programmer response**

Investigate the problem reported in the preceding messages.

**CSQX010I: *csect-name* Channel initiator stopped****Explanation**

The channel initiator terminated following an error, as reported in the preceding messages.

**Severity**

0

**System action**

None.

**CSQX011I: *csect-name* Client Attachment feature available****Explanation**

The Client Attachment feature has been installed, so clients can be attached to and MQI channels can be used with the channel initiator.

## Severity

0

## System action

The channel initiator startup processing continues.

## **CSQX012E: *csect-name* Unable to open *ddname* data set**

### Explanation

The *ddname* data set could not be opened, as reported in the preceding messages.

## Severity

4

## System action

Processing continues, but functions that require the data set will be inhibited. For example, if the exit library data set CSQXLIB cannot be opened, user channel and channel auto-definition exits will not be available, and channels that use them will not start. If the error information data set CSQSNAP cannot be opened, the error information will be lost.

## System programmer response

Investigate the problem reported in the preceding messages.

## **CSQX013I: *csect-name* Address conflict for listener, port port address ip-address, TRPTYPE=TCP INDISP=*disposition**disposition***

### Explanation

A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already active for a port and IP address combination that conflicted with the requested port and IP address. If *ip-address* is '\*', all IP addresses were requested.

The port and IP address combination specified must match a combination for which the listener is active. It cannot be a superset or a subset of that combination.

## Severity

4

## System action

None.

## System programmer response

Reissue the command correctly if necessary.

## **CSQX014E: *csect-name* Listener exceeded channel limit, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### **Explanation**

The number of current channels using the indicated communications system *trptype* is the maximum allowed. The listener cannot accept an incoming request to start another channel; if the maximum is 0, the listener itself cannot start. (The name of the channel requested cannot be determined because the listener could not accept the request.) Current channels include stopped and retrying channels as well as active channels.

*disposition* shows which type of incoming requests the listener was handling:

#### **QMGR**

those directed to the target queue manager

#### **GROUP**

those directed to the queue-sharing group.

The maximum allowed is specified in the TCPCHL or LU62CHL queue manager attribute respectively, but may be reduced if a dispatcher fails, or if TCP/IP resources are restricted (as reported by message CSQX118I).

### **Severity**

8

### **System action**

The channel or listener does not start.

### **System programmer response**

If the maximum allowed is zero, communications using the indicated system *trptype* are not allowed, and no such channels can be started. The listener also cannot be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the remote channel, or use the ALTER QMGR command to increase TCPCHL or LU62CHL.

## **CSQX015I: *csect-name* started dispatchers started, failed failed**

### **Explanation**

The channel initiator startup procedure has started the requested number of dispatchers; *started* dispatchers started successfully and *failed* dispatchers did not start.

### **Severity**

0

### System action

The channel initiator startup processing continues. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately if some dispatchers did not start.

### System programmer response

If the message indicates that some dispatchers failed, investigate the problem reported in the preceding messages.

## **CSQX016I: *csect-name* Listener already started, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### Explanation

A START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already active.

### Severity

0

### System action

None.

## **CSQX017I: *csect-name* Listener already started, port port address ip-address, TRPTYPE=TCP INDISP=*disposition* disposition**

### Explanation

A START LISTENER command was issued specifying TRPTYPE(TCP) and INDISP(*disposition*), but that listener was already active for the requested port and IP address. If *ip-address* is '\*', all IP addresses were requested.

### Severity

0

### System action

None.

## **CSQX018I: *csect-name* Listener already stopped or stopping, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### Explanation

A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already stopped or in the process of stopping.

**Severity**

0

**System action**

None.

**CSQX019I: *csect-name* Listener already stopped or stopping, port port address ip-address, TRPTYPE=TCP  
INDISP=*disposition* disposition****Explanation**

A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*), but that listener was already stopped or in the process of stopping for the requested port and IP address. If *ip-address* is '\*', all IP addresses were requested.

**Severity**

0

**System action**

None.

**CSQX020I: *csect-name* Shared channel recovery completed****Explanation**

The channel initiator startup procedure has successfully completed the shared channel recovery process, for channels that were owned by itself and for channels that were owned by other queue managers.

**Severity**

0

**System action**

Processing continues.

**System programmer response**

See message CSQM052I issued by the queue manager for more details.

**CSQX021E: *csect-name* Shared channel recovery error****Explanation**

The channel initiator startup procedure did not complete the shared channel recovery process, because an error occurred.

## Severity

0

## System action

The recovery process is terminated; some channels may have been recovered, while others have not.

## System programmer response

See the error messages (such as CSQM053E) issued by the queue manager for more details. When the problem has been resolved, either start any unrecovered channels manually, or restart the channel initiator.

## **CSQX022I: *csect-name* Channel initiator initialization complete**

### Explanation

Initialization of the channel initiator completed normally, and the channel initiator is ready for use. Note, however, that processing of the CSQINPX command data set may still be in progress; its completion is shown by message CSQU012I.

### Severity

0

### System action

None.

## **CSQX023I: *csect-name* Listener started, port port address ip-address, TRPTYPE=TCP INDISP=*disposition* disposition**

### Explanation

A START LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*). That listener is now active for the requested port and IP address. If *ip-address* is '\*', all IP addresses were requested.

### Severity

0

### System action

None.

**CSQX024I: *csect-name* Listener stopped, port port address ip-address, TRPTYPE=TCP INDISP=*disposition*disposition**

**Explanation**

A STOP LISTENER command was issued specifying TRPTYPE(*trptype*) and INDISP(*disposition*). That listener is no longer active for the requested port and IP address. If *ip-address* is '\*', all IP addresses were requested.

**Severity**

0

**System action**

None.

**CSQX026E: *csect-name* Unable to locate the trace header, RC=12**

**Explanation**

The trace formatting routine was unable to locate the trace control information in the trace data space in a dump of the channel initiator address space.

**Severity**

8

**System action**

Formatting terminates.

**System programmer response**

The most likely cause is that the dump has not been produced correctly. Re-create the dump, and try again.

**CSQX027E: *csect-name* Unable to get storage, RC=*return-code***

**Explanation**

An attempt to obtain some storage failed. *return-code* is the return code (in hexadecimal) from the z/OS STORAGE service.

**Severity**

8

**System action**

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, listener, repository manager, supervisor, or

trace formatter) usually terminates; in many cases, the end result will be that the channel initiator terminates.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

## **CSQX028E: *csect-name* Unable to free storage, RC=*return-code***

### **Explanation**

An attempt to release some storage failed. *return-code* is the return code (in hexadecimal) from the z/OS STORAGE service.

### **Severity**

8

### **System action**

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, or listener) usually ignores the error and continues processing.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

## **CSQX029I: *csect-name* Queue manager *qmgr-name* stopping, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

In response to an MQ API call, the queue manager notified the channel initiator that it is stopping.

### **Severity**

0

### **System action**

The channel initiator terminates.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.



## **CSQX030I: *csect-name* 'type' trace started, assigned trace number tno**

### **Explanation**

During channel initiator initialization, a *type* trace has been started automatically and assigned the trace number *tno*.

### **System action**

Processing continues.

## **CSQX031E: *csect-name* Initialization command handler ended abnormally, reason=00sssuuu**

### **Explanation**

The initialization command handler, which processes the CSQINPX command data set, is ending abnormally. *sss* is the system completion code, and *uuu* is the user completion code (both in hexadecimal).

### **Severity**

8

### **System action**

The initialization command handler ends abnormally, but the channel initiator continues.

### **System programmer response**

If a system completion code is shown, see the *MVS System Codes* manual for information about the problem; the message will normally be preceded by other messages giving additional information.

The most likely cause is erroneous definition of the CSQINPX and CSQOUTX data sets. See the WebSphere MQ for z/OS System Setup Guide for information about the initialization command handler and these data sets. If you are unable to solve the problem, contact your IBM support center.

## **CSQX032I: *csect-name* Initialization command handler terminated**

### **Explanation**

The initialization command handler, which processes the CSQINPX command data set, was terminated before completing all the commands because the channel initiator is stopping, and so cannot process any more commands.

### **Severity**

4

### **System action**

The initialization command handler ends.

### **System programmer response**

Refer to the CSQOUTX data set for information about the commands that were processed. If the channel initiator is not stopping because of a STOP command, refer to the preceding messages for information about the problem causing it to stop.

See the WebSphere MQ for z/OS System Setup Guide for information about the initialization command handler.

## **CSQX033E: *csect-name* Channel initiator stopping because of errors**

### **Explanation**

A severe error, as reported in the preceding messages, occurred during channel initiator processing; the channel initiator is unable to continue.

### **Severity**

8

### **System action**

The channel initiator terminates.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX034I: *csect-name* Channel initiator stopping because queue manager is stopping**

### **Explanation**

The queue manager notified the channel initiator that it is stopping.

### **Severity**

0

### **System action**

The channel initiator terminates.

**CSQX035I: *csect-name* Connection to queue manager  
*qmgr-name* stopping or broken, MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

In response to an MQ API call, the channel initiator found that its connection to the queue manager was no longer available.

**Severity**

0

**System action**

The channel initiator terminates.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQX036E: *csect-name* Unable to open name, MQCC=*mqcc*  
MQRC=*mqrc***

**Explanation**

An MQOPEN call for *name* was unsuccessful; *name* may be a queue name, queue manager name, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

**Severity**

8

**System action**

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. The most common cause of the problem will be that the channel and queue definitions are incorrect.

**CSQX037E: *csect-name* Unable to get message from name,  
MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

An MQGET call for queue *name* was unsuccessful.

## Severity

8

## System action

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

### **CSQX038E: *csect-name* Unable to put message to name, MQCC=*mqcc* MQRC=*mqrc***

#### Explanation

An MQPUT call for queue *name* was unsuccessful.

#### Severity

8

#### System action

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

#### System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

### **CSQX039E: *csect-name* Unable to close name, MQCC=*mqcc* MQRC=*mqrc***

#### Explanation

An MQCLOSE call for *name* was unsuccessful; *name* may be a queue name, queue manager name, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

#### Severity

4

#### System action

Processing continues.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

### **CSQX040E: *csect-name* Unable to inquire attributes for name, MQCC=*mqcc* MQRC=*mqrc***

#### Explanation

An MQINQ call for *name* was unsuccessful; *name* may be a queue name, queue manager name, namelist name, channel name, or authentication information name. (The channel initiator can access channel definitions and authentication information as objects using the MQ API.)

#### Severity

8

#### System action

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

### **CSQX041E: *csect-name* Unable to set attributes for name, MQCC=*mqcc* MQRC=*mqrc***

#### Explanation

An MQSET call for queue *name* was unsuccessful.

#### Severity

8

#### System action

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

## System programmer response

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQX042E: *csect-name* Unable to define comp to CTRACE,  
RC=rc reason=reason**

**Explanation**

The CTRACE component definitions (for component *comp*) required by the channel initiator could not be defined. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the z/OS CTRACE service.

**Severity**

8

**System action**

The channel initiator does not start.

**System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return and reason codes from the CTRACE request. If you are unable to solve the problem, contact your IBM support center.

**CSQX043E: *csect-name* Unable to delete comp from CTRACE,  
RC=rc reason=reason**

**Explanation**

The CTRACE component definitions (for component *comp*) used by the channel initiator could not be deleted. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the z/OS CTRACE service.

**Severity**

4

**System action**

Channel initiator termination processing continues.

**System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return and reason codes from the CTRACE request. If you are unable to solve the problem, contact your IBM support center.

**CSQX044E: *csect-name* Unable to initialize PC routines, RC=rc  
reason=reason**

**Explanation**

The PC routines required by the channel initiator could not be defined. The reason code *reason* shows which z/OS service failed:

00E74007  
LXRES failed  
00E74008  
ETCRE failed  
00E74009  
ETCON failed

*rc* is the return code (in hexadecimal) from the indicated OS/390 service.

### Severity

8

### System action

The channel initiator does not start.

### System programmer response

See the *MVS Authorized Assembler Services Reference* manual for information about the return codes from the z/OS services. If you are unable to solve the problem, contact your IBM support center.

## **CSQX045E: *csect-name* Unable to load module-name, reason=ssssrrrr**

### Explanation

The channel initiator was unable to load a required module. *ssss* is the completion code and *rrrr* is the reason code (both in hexadecimal) from the z/OS LOAD service.

### System action

The component where the error occurred (message channel agent, dispatcher, adapter subtask, SSL server subtask, repository manager, or listener) does not start and the function it provides is unavailable; in many cases, the end result is that the channel initiator terminates.

### System programmer response

Check the console for messages indicating why the module was not loaded. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD request.

Ensure that the module is in the required library, and that it is referenced correctly. The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task JCL procedure xxxxCHIN.

## **CSQX046E: *csect-name* Unable to initialize data conversion services, reason=*reason***

### **Explanation**

The data conversion services required by the channel initiator could not be initialized. The reason code *reason* shows why:

00C10002

Unable to load modules

00C10003

Insufficient storage

**other** Internal error

### **Severity**

8

### **System action**

The channel initiator does not start.

### **System programmer response**

Check the console for messages indicating that a module was not loaded. Ensure that the module is in the required library, and that it is referenced correctly. The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task JCL procedure xxxxCHIN.

If you are unable to solve the problem, contact your IBM support center.

## **CSQX047E: *csect-name* Unable to commit messages for name, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQCMIT call involving messages for queue *name* was unsuccessful.

### **Severity**

8

### **System action**

The component where the error occurred (supervisor) terminates.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.



**CSQX048I: *csect-name* Unable to convert message for name, MQCC=*mqcc* MQRC=*mqrc***

**Explanation**

A message being put to an IMS bridge queue *name* required data conversion, but the conversion was not successful.

**Severity**

0

**System action**

The message is put without conversion, and processing continues.

**System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

**CSQX049E: *csect-name* Unable to retrieve token for name name, RC=*rc***

**Explanation**

A token in a name/token pair required by the channel initiator could not be retrieved. *rc* is the return code (in hexadecimal) from the z/OS IEANTRT service.

**Severity**

8

**System action**

The channel initiator does not start.

**System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the IEANTRT request. If you are unable to solve the problem, contact your IBM support center.

**CSQX050E: *csect-name* Unable to create access list for queue manager, RC=*rc***

**Explanation**

The channel initiator could not create the necessary storage access list for the queue manager to use. *rc* is the return code (in hexadecimal) from the z/OS ALESERV service.

**Severity**

8

### **System action**

The channel initiator does not start.

### **System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the ALESERV request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX051E: *csect-name* Unable to share storage with the queue manager, RC=rc**

### **Explanation**

A request by the channel initiator to allow the queue manager to share some storage failed. *rc* is the return code (in hexadecimal) from the z/OS IARVSERV service.

### **Severity**

8

### **System action**

The channel initiator does not start.

### **System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the IARVSERV request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX052E: *csect-name* Timer task attach failed, RC=*return-code***

### **Explanation**

The repository manager task could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

### **Severity**

8

### **System action**

The channel initiator terminates.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX053E: *csect-name* Error information recorded in CSQSNAP data set**

### **Explanation**

An internal error has occurred. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

### **Severity**

8

### **System action**

Processing continues.

### **System programmer response**

Collect the items listed in the Problem Determination section and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

## **CSQX054E: *csect-name* Repository manager ended abnormally, reason=*sssuuu-reason***

### **Explanation**

The repository manager is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

### **Severity**

8

### **System action**

The repository manager ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

### **System programmer response**

User completion codes are generally the result of errors detected by the Language Environment®; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center to report the problem.

**CSQX055E: *csect-name* Repository manager attach failed,  
RC=*return-code***

**Explanation**

The repository manager task could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

**Severity**

8

**System action**

The channel initiator terminates.

**System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center.

**CSQX056E: *csect-name* Preinitialization services request failed, function code=*func*, RC=*rc***

**Explanation**

A preinitialization services (CEEPIPI) call failed. *func* is the function code used (in decimal) and *rc* is the return code (in hexadecimal) from the call.

**Severity**

8

**System action**

The component where the error occurred (message channel agent or SSL server subtask) terminates. In the case of a message channel agent, the associated channel will be stopped.

**System programmer response**

See the *Language Environment for z/OS & VM Programming Guide* for information about the return code from the CEEPIPI call. If you are unable to solve the problem, contact your IBM support center.

**CSQX057E: *csect-name* Cluster cache task attach failed,  
RC=*return-code***

**Explanation**

The channel initiator cluster cache task could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

### Severity

8

### System action

The channel initiator terminates.

### System programmer response

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX058E: *csect-name* Pause service *service-name* failed, RC=*return-code***

### Explanation

An error occurred processing a pause element. *return-code* is the return code (in hexadecimal) from the z/OS pause service *service-name*.

### Severity

8

### System action

The component where the error occurred (message channel agent, repository manager, cluster cache extension task,) usually terminates; in many cases, the end result will be that the channel initiator terminates.

### System programmer response

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX059E: *csect-name* Unable to increase cluster cache**

### Explanation

The dynamic cluster cache cannot be increased because the channel initiator cluster cache task encountered an error.

### Severity

8

### System action

The channel initiator terminates.

## System programmer response

Investigate the problem reported in any preceding messages.

### **CSQX060:**

#### **Explanation**

This message...

#### **Severity**

0

#### **System action**

The system will perform this action:

#### **System programmer response**

Perform the following actions:

### **CSQX061E: csect-name Distributed Pub/Sub Offloader task attach failed, RC=return-code**

#### **Explanation**

The Distributed Pub/Sub Offloader task could not be attached. Return-code is the return code (in hexadecimal) from the z/OS ATTACH service.

#### **Severity**

8

#### **System action**

The channel initiator terminates.

#### **System programmer response**

See the manual for information about the return code from the ATTACH request. If you are unable to solve this problem, contact your IBM support center.

### **CSQX062E: csect-name Distributed Pub/Sub Offloader ended abnormally, verb, MQCC=mqcc MQRC=mqrc**

#### **Explanation**

The Distributed Pub/Sub Offloader task has had an error on MQ API verb.

#### **Severity**

8

**System action**

The channel initiator terminates.

**System programmer response**

Refer to API completion and reason codes for information about mqcc and mqrc

**CSQX063I: csect-name Distributed Pub/Sub Offloader started****Explanation**

The Distributed Pub/Sub Offloader task has started successfully.

**Severity**

0

**System programmer response**

None

**CSQX064I: csect-name Distributed Pub/Sub Offloader stopped****Explanation**

The Distributed Pub/Sub command Offloader task has stopped. This may be for one of three reasons:

- The channel initiator is stopping.
- The channel initiator is starting and the queues used by the distributed pub/sub offloader have not been defined because distributed pub/sub command processing is not required.
- An error has occurred

**Severity**

0

**System action**

Processing continues, but distributed pub/sub is not available.

**System programmer response**

If an error has occurred, investigate the problem reported in the preceding messages.

**CSQX065E: csect-name Unexpected error in distributed Pub/Sub Offloader****Explanation**

The Distributed Pub/Sub command Offloader encountered an unexpected error

**Severity**

8

**System action**

Distributed publish/subscribe may no longer be available.

**System programmer response**

Investigate the problem reported in the preceding messages. If there are none or this does not resolve the problem contact IBM support.

**CSQX066E: csect-name Refresh proxy subscriptions failed****Explanation**

A REFRESH QMGR TYPE(PROXYSUB) was issued, but could not complete. This could be because the Channel Initiator is shutting down, or as a result of an error.

**Severity**

8

**System action**

Processing continues, but remote subscriptions are not resynchronized.

**System programmer response**

If an error has occurred, investigate the problem reported in the preceding messages.

**CSQX067E: csect-name Error removing non durable remote subscriptions****Explanation**

The Pub/Sub Offloader task is ending but was unable to remove one or more remote proxy subscriptions. If no previous error has occurred, this is likely to have been triggered by Queue Manager shut down.

**Severity**

8

**System action**

Processing continues, but remote subscriptions may continue to exist which are no longer valid. This could cause a build up of publications for this Queue Manager on remote transmission queues.



## System programmer response

If the Queue Manager is to be restarted immediately, these subscriptions will be cleaned up when initial resynchronization with the cluster occurs. If this is not the case, proxy subscriptions may need to be manually removed using DELETE SUB on other Queue Managers in the cluster. Investigate the problem reported in the preceding messages to see why resynchronization failed.

## CSQX070I: *csect-name* CHINIT parameters ...

### Explanation

The channel initiator is being started with the parameter values shown in the following messages: CSQX071I, CSQX072I, CSQX073I, CSQX074I, CSQX075I, CSQX078I, CSQX079I, CSQX080I, CSQX081I, CSQX082I, CSQX085I, CSQX090I, CSQX091I, CSQX092I, CSQX093I, CSQX094I, CSQX099I.

### Severity

0

### System action

The channel initiator startup processing continues.

### System programmer response

Channel initiator parameters are specified by queue manager attributes. Use the ALTER QMGR command to set the values you want.

## CSQX100E: *csect-name* Dispatcher failed to start, TCB=*tcb-name*

### Explanation

A severe error, as reported in the preceding messages, occurred during dispatcher startup processing.

### Severity

8

### System action

The channel initiator will attempt to restart the dispatcher. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately.

### System programmer response

Investigate the problem reported in the preceding messages.

## **CSQX101E: *csect-name* Dispatcher unable to schedule essential process process**

### **Explanation**

During dispatcher startup processing, one of the essential dispatcher processes (named *process*) could not be scheduled.

### **Severity**

8

### **System action**

The dispatcher does not start.

### **System programmer response**

The most likely cause is insufficient storage. If increasing the available storage does not solve the problem, contact your IBM support center.

## **CSQX102E: *csect-name* Dispatcher linkage stack error, TCB=*tcb-name***

### **Explanation**

The dispatcher using TCB *tcb-name* found an inconsistency in the linkage stack.

### **Severity**

8

### **System action**

The dispatcher ends abnormally with completion code X'5C6' and reason code X'00E7010E', and a dump is issued. The channel initiator will attempt to restart it.

### **System programmer response**

The most likely cause is incorrect use of the linkage stack by a user channel exit; exits must issue any MQ API calls and return to the caller at the same linkage stack level as they were entered. If exits are not being used, or if they do not use the linkage stack, contact your IBM support center to report the problem.

## **CSQX103E: *csect-name* Dispatcher unexpected error, TCB=*tcb-name* RC=*return-code***

### **Explanation**

The dispatcher using TCB *tcb-name* had an internal error.

### **Severity**

8

## System action

The dispatcher ends abnormally with completion code X'5C6' and reason code X'00E7010F', and a dump is issued. The channel initiator will attempt to restart it.

## System programmer response

Contact your IBM support center to report the problem.

## **CSQX104E: *csect-name* Unable to establish ESTAE, RC=*return-code***

### Explanation

During startup processing, the recovery environment could not be set up. *return-code* is the return code (in hexadecimal) from the z/OS ESTAE service.

### Severity

8

### System action

The component that was starting (dispatcher, adapter subtask, SSL server subtask, supervisor, repository manager, or channel initiator itself) does not start.

### System programmer response

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ESTAE request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX106E: *csect-name* Unable to connect to TCP/IP using USS, service '*serv*' RC=*return-code* reason=*reason***

### Explanation

Use of TCP/IP with the UNIX System Services (USS) sockets interface was requested, but an error occurred. *return-code* and *reason* are the return and reason codes (both in hexadecimal) from the USS service *serv* that gave the error.

The most likely causes are:

- The user ID that the channel initiator uses is not set up correctly for use with USS. For example, it may not have a valid OMVS segment defined or its security profile may be incomplete.
- The TCPNAME queue manager attribute does not specify a valid TCP/IP stack name. These stack names are defined in the SUBFILESYSTYPE NAME parameter in member BPXPRMxx for SYS1.PARMLIB.
- The MAXFILEPROC or MAXPROCUSER parameter in member BPXPRMxx for SYS1.PARMLIB is too small.

### Severity

4

### **System action**

Processing continues, but communications using TCP/IP with the USS sockets interface will not be available.

### **System programmer response**

See the *z/OS UNIX System Services Messages and Codes* manual for information about the codes from the service request.

## **CSQX107I: *csect-name* TCP/IP communications unavailable**

### **Explanation**

Use of TCP/IP was specified by the channel initiator parameters, but that interface is not available with the libraries that the channel initiator is using.

### **Severity**

4

### **System action**

Processing continues, but communications using TCP/IP will not be available.

### **System programmer response**

Check that the SCSQMVR1 library data set for the channel initiator has been specified in the STEPLIB DD statement of its started task JCL procedure.xxxxCHIN, See the WebSphere MQ for z/OS System Setup Guide for more information about the channel initiator parameters and the library data sets.

## **CSQX110E: *csect-name* User data conversion exit error, TCB=*tcb-name* reason=*sssuuu-reason***

### **Explanation**

A process for the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a user data conversion exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

### **Severity**

8

### **System action**

The process ends abnormally, and a dump is normally issued. The channel is stopped, and must be restarted manually.

### **System programmer response**

User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime*

*Messages* for information about these codes. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

## **CSQX111E: *csect-name* User channel exit error, TCB=*tcb-name* reason=*sssuuu-reason***

### **Explanation**

A process for the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a user channel exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

### **Severity**

8

### **System action**

The process ends abnormally, and a dump is normally issued. The channel is stopped, and must be restarted manually. For auto-defined channels, the channel does not start.

### **System programmer response**

User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

## **CSQX112E: *csect-name* Dispatcher process error, TCB=*tcb-name* reason=*sssuuu-reason***

### **Explanation**

A process run by the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

### **Severity**

8

### **System action**

The process ends abnormally, and a dump is normally issued. If the process is a message channel agent, the channel is stopped, and will need to be restarted manually.

### **System programmer response**

User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. If a system completion code is shown,

and you are using user channel exits, check that your exit is setting its parameter lists correctly; otherwise, contact your IBM support center.

## **CSQX113E: *csect-name* Dispatcher ended abnormally, TCB=*tcb-name* reason=*sssuuu-reason***

### **Explanation**

The dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

### **Severity**

8

### **System action**

The dispatcher ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

### **System programmer response**

User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

## **CSQX114E: *csect-name* Dispatcher failed, reason=*reason***

### **Explanation**

A dispatcher ended abnormally, as reported in the preceding messages, and could not be restarted. *reason* shows the type of failure:

**0000000A**

Startup error

**0000000B**

Linkage stack error

**0000000D**

Uncorrectable error

**other** Completion code in the form *00sssuuu*, where *sss* is the system completion code and *uuu* is the user completion code (both in hexadecimal).

### **Severity**

8

### **System action**

The channel initiator will attempt to restart the dispatcher. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX115E: *csect-name* Dispatcher not restarted – too many failures**

### **Explanation**

A dispatcher failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

### **Severity**

8

### **System action**

The dispatcher is not restarted. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately, and other processing capacity may be reduced.

### **System programmer response**

Investigate the problems causing the dispatcher failures.

## **CSQX116I: *csect-name* Dispatcher restarted, number dispatchers active**

### **Explanation**

A dispatcher failed, but was successfully restarted by the channel initiator. *number* dispatchers are now active.

### **Severity**

0

### **System action**

Processing continues. The number of current TCP/IP and LU 6.2 channels allowed will be increased proportionately.

## **CSQX118I: *csect-name* TCP/IP channel limit reduced to *nn***

### **Explanation**

This is issued during channel initiator startup processing and in response to the DISPLAY CHINIT command if the maximum number of current TCP/IP channels allowed is less than is specified in the TCPCHL queue manager attribute. This can occur because:

- TCP/IP resources are restricted. The OpenEdition MAXFILEPROC parameter (specified in the BPXPRMxx member of SYS1.PARMLIB) controls how many sockets each task is allowed: in other words, how many channels each dispatcher is allowed
- Some dispatchers have failed and not been restarted; the number of current TCP/IP channels allowed will be reduced proportionately

### Severity

0

### System programmer response

If TCP/IP resources are restricted, consider increasing either the OpenEdition MAXFILEPROC parameter or the number of dispatchers if you need more current TCP/IP channels.

## **CSQX119I: *csect-name* LU 6.2 channel limit reduced to *nn***

### Explanation

This is issued during channel initiator startup processing and in response to the DISPLAY CHINIT command if the maximum number of current LU 6.2 channels allowed is less than is specified in the LU62CHL queue manager attribute. This can occur because some dispatchers have failed and not been restarted; the number of current LU 6.2 channels allowed will be reduced proportionately.

### Severity

0

## **CSQX140E: *csect-name* Adapter failed to start**

### Explanation

A severe error, as reported in the preceding messages, occurred during adapter subtask startup processing.

### Severity

8

### System action

The channel initiator will attempt to restart the adapter subtask.

### System programmer response

Investigate the problem reported in the preceding messages.



**CSQX141I: *csect-name* started adapter subtasks started, failed failed**

**Explanation**

The channel initiator startup procedure has started the requested number of adapter subtasks; *started* adapter subtasks started successfully and *failed* adapter subtasks did not start.

**Severity**

0

**System action**

The channel initiator startup processing continues.

**System programmer response**

If the message indicates that some adapter subtasks failed, investigate the problem reported in the preceding messages.

**CSQX142E: *csect-name* Adapter subtask failed to start, TCB=*tcb-name***

**Explanation**

A severe error, as reported in the preceding messages, occurred during adapter subtask startup processing.

**Severity**

8

**System action**

The channel initiator will attempt to restart the adapter subtask.

**System programmer response**

Investigate the problem reported in the preceding messages.

**CSQX143E: *csect-name* Adapter subtask ended abnormally, TCB=*tcb-name* reason=*sssuuu-reason***

**Explanation**

The adapter subtask using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

**Severity**

8

### **System action**

The adapter subtask ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

### **System programmer response**

If you are using user channel exits, check that your exit is setting its parameter lists correctly. User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

## **CSQX144E: *csect-name* Adapter subtask attach failed, RC=*return-code***

### **Explanation**

An adapter subtask could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

### **Severity**

8

### **System action**

The adapter subtask is not restarted.

### **System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center.

## **CSQX145E: *csect-name* Adapter subtask not restarted – too many failures**

### **Explanation**

A adapter subtask failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

### **Severity**

8

### **System action**

The adapter subtask is not restarted; processing capacity may therefore be reduced.

### **System programmer response**

Investigate the problems causing the adapter subtask failures.

## **CSQX146I: *csect-name* Adapter subtask restarted, active subtasks active**

### **Explanation**

A adapter subtask failed, but was successfully restarted by the channel initiator. *active* adapter subtasks are now active.

### **Severity**

0

### **System action**

Processing continues.

## **CSQX150E: *csect-name* SSL server failed to start**

### **Explanation**

A severe error, as reported in the preceding messages, occurred during SSL server subtask startup processing.

### **Severity**

8

### **System action**

The channel initiator will attempt to restart the SSL server subtask.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX151I: *csect-name* started SSL server subtasks started, failed failed**

### **Explanation**

The channel initiator startup procedure has started the requested number of SSL server subtasks; *started* SSL server subtasks started successfully and *failed* SSL server subtasks did not start.

### **Severity**

0

### **System action**

The channel initiator startup processing continues.

### **System programmer response**

If the message indicates that some SSL server subtasks failed, investigate the problem reported in the preceding messages.

### **CSQX152E: *csect-name* SSL server subtask failed to start, TCB=*tcb-name***

#### **Explanation**

A severe error, as reported in the preceding messages, occurred during SSL server subtask startup processing.

#### **Severity**

8

#### **System action**

The channel initiator will attempt to restart the SSL server subtask.

#### **System programmer response**

Investigate the problem reported in the preceding messages.

### **CSQX153E: *csect-name* SSL server subtask ended abnormally, TCB=*tcb-name* reason=*sssuuu-reason***

#### **Explanation**

The SSL server subtask using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

#### **Severity**

8

#### **System action**

The SSL server subtask ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

#### **System programmer response**

If you are using user channel exits, check that your exit is setting its parameter lists correctly. User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

**CSQX154E: *csect-name* SSL server subtask attach failed,  
RC=*return-code***

**Explanation**

An SSL server subtask could not be attached. *return-code* is the return code (in hexadecimal) from the z/OS ATTACH service.

**Severity**

8

**System action**

The SSL server subtask is not restarted.

**System programmer response**

See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center.

**CSQX155E: *csect-name* SSL server subtask not restarted – too many failures**

**Explanation**

A SSL server subtask failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

**Severity**

8

**System action**

The SSL server subtask is not restarted; processing capacity may therefore be reduced.

**System programmer response**

Investigate the problems causing the SSL server subtask failures.

**CSQX156I: *csect-name* SSL server subtask restarted, active subtasks active**

**Explanation**

A SSL server subtask failed, but was successfully restarted by the channel initiator. *active* SSL server subtasks are now active.

**Severity**

0

### **System action**

Processing continues.

## **CSQX160E: *csect-name* SSL communications unavailable**

### **Explanation**

SSL communications are requested but an error, as reported in the preceding messages, occurred during channel initiator startup processing.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Investigate the problem reported in the preceding messages. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

## **CSQX161E: *csect-name* SSL key repository name not specified**

### **Explanation**

SSL communications are requested but no SSL key repository name is specified; that is, the SSLTASKS queue manager attribute is non-zero, but the SSLKEYR queue manager attribute is blank.

### **Severity**

4

### **System action**

Processing continues, but communications using SSL will not be available.

### **System programmer response**

Use the ALTER QMGR command to specify a name for the SSL key repository with the SSLKEYR attribute, and restart the channel initiator. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

## **CSQX162E: *csect-name* SSL CRL namelist is empty or wrong type**

### **Explanation**

SSL communications are requested but the SSL authentication namelist specified by the SSLCRLNL queue manager attribute is empty or not of type AUTHINFO.

## Severity

4

## System action

Processing continues, but communications using SSL will not be available.

## System programmer response

Correct the definitions of the namelist, and restart the channel initiator. If you do not want to use SSL communications, set the SSLTASKS queue manager attribute to 0.

## **CSQX163I: *csect-name* SSL CRL namelist has too many names – first n used**

### Explanation

The SSL authentication namelist specified by the SSLCRLNL queue manager attribute has more names than are supported. The number supported is *n*.

## Severity

4

## System action

Processing continues; the excess names are ignored.

## System programmer response

Correct the definitions of the namelist.

## **CSQX164E: *csect-name* Unable to access SSL key repository**

### Explanation

The SSL key repository, whose name is specified by the SSLKEYR queue manager attribute, could not be accessed.

The most likely causes are:

- The specified key repository does not exist.
- The channel initiator does not have permission to read the specified key repository.
- The channel initiator was unable to connect to the LDAP server specified in an authentication information object listed in the SSL CRL namelist.
- When using shared key rings, the name is not prefixed with 'userid/'.

## Severity

4

## System action

Processing continues, but communications using SSL will not be available. Channels using SSL communications will not start.

## System programmer response

Check that:

- the SSL key repository name is specified correctly; if using a shared key ring, it is prefixed with 'userid/'
- the key ring specified as the SSL key repository exists, and the channel initiator has permission to read it
- the LDAP name is specified correctly and that it is available.

## CSQX165I: *csect-name* SSL key repository refresh already in progress

### Explanation

A REFRESH SECURITY TYPE(SSL) command was issued, but an SSL key repository refresh was already in progress.

### System action

The command is ignored. The refresh currently in progress continues.

### Severity

0

## CSQX181E: *csect-name* Invalid response response set by exit *exit-name*

### Explanation

The user exit *exit-name* returned an invalid response code (*response*, shown in hexadecimal) in the *ExitResponse* field of the channel exit parameters (MQCXP).

### Severity

8

### System action

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

### System programmer response

Investigate why the user exit program set an invalid response code.



## **CSQX182E: *csect-name* Invalid secondary response response setby exit exit-name**

### **Explanation**

The user exit *exit-name* returned an invalid secondary response code (*response*, shown in hexadecimal) in the *ExitResponse2* field of the channel exit parameters (MQCXP).

### **Severity**

8

### **System action**

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

### **System programmer response**

Investigate why the user exit program set an invalid secondary response code.

## **CSQX184E: *csect-name* Invalid exit buffer address address set by exit exit-name**

### **Explanation**

The user exit *exit-name* returned an invalid address for the exit buffer when the secondary response code in the *ExitResponse2* field of the channel exit parameters (MQCXP) is set to MQXR2\_USE\_EXIT\_BUFFER.

### **Severity**

8

### **System action**

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

### **System programmer response**

Investigate why the user exit program set an invalid exit buffer address. The most likely cause is failing to set a value, so that it is 0.

## **CSQX187E: *csect-name* Invalid header compression value set by exit exit-name**

### **Explanation**

The user exit *exit-name* returned a header compression value that was not one of those which were negotiated as acceptable when the channel started.

## Severity

8

## System action

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

## System programmer response

Investigate why the user exit program set an invalid value. If necessary, alter the channel definitions so that the desired compression value is acceptable.

## **CSQX188E: *csect-name* Invalid message compression value set by exit *exit-name***

### Explanation

The user exit *exit-name* returned a message compression value that was not one of those which were negotiated as acceptable when the channel started.

## Severity

8

## System action

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

## System programmer response

Investigate why the user exit program set an invalid value. If necessary, alter the channel definitions so that the desired compression value is acceptable.

## **CSQX189E: *csect-name* Invalid data length length set by exit *exit-name***

### Explanation

The user exit *exit-name* returned a data length value that was not greater than zero.

## Severity

8

## System action

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

## System programmer response

Investigate why the user exit program set an invalid data length.

## **CSQX190E: *csect-name* Channel *channel-name* stopping because of error in exit *exit-name*, *Id*=ExitId *reason*=ExitReason**

### **Explanation**

The user exit *exit-name* invoked for channel *channel-name* returned invalid values, as reported in the preceding messages. *ExitId* shows the type of exit:

- 11 MQXT\_CHANNEL\_SEC\_EXIT, security exit
- 12 MQXT\_CHANNEL\_MSG\_EXIT, message exit
- 13 MQXT\_CHANNEL\_SEND\_EXIT, send exit
- 14 MQXT\_CHANNEL\_RCV\_EXIT, receive exit
- 16 MQXT\_CHANNEL\_AUTO\_DEF\_EXIT, auto-definition exit

and *ExitReason* shows the reason for invoking it:

- 11 MQXR\_INIT, initialization
- 12 MQXR\_TERM, termination
- 13 MQXR\_MSG, process a message
- 14 MQXR\_XMIT, process a transmission
- 15 MQXR\_SEC\_MSG, security message received
- 16 MQXR\_INIT\_SEC, initiate security exchange
- 18 MQXR\_AUTO\_CLUSSDR, auto-definition of cluster-sender channel
- 28 MQXR\_AUTO\_CLUSRCVR, auto-definition of cluster-receiver channel

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

### **System programmer response**

Investigate why the user exit program set invalid values.

## **CSQX191I: *csect-name* Channel *channel-name* beginning message reallocation**

### **Explanation**

The channel *channel-name* is entering message reallocation because it cannot currently deliver messages to the destination queue manager.

## Severity

0

## System action

Messages that are not bound to a particular queue manager will be workload balanced. This may take some time if there are a large number of messages assigned to this channel. Check how many using the DISPLAY CHSTATUS(channel-name) XQMSGSA command.

## System programmer response

If reallocation is not desired, for instance because the destination queue manager is now available, reallocation can be interrupted using STOP CHANNEL MODE(FORCE).

## **CSQX192E: csect-name Channel channel-name unable to stop, message reallocation in progress**

### Explanation

A request to stop channel channel-name was made, but the channel cannot stop immediately because message reallocation is taking place.

### Severity

8

### System action

The channel continues to reallocate messages and will stop once this process is complete. This may take some time if there are a large number of messages on the queue assigned to this channel. Check how many using the DISPLAY CHSTATUS(channel-name) XQMSGSA command.

### System programmer response

If reallocation is not desired, for instance because the destination queue manager is now available, reallocation can be interrupted using the STOP CHANNEL MODE(FORCE) command

## **CSQX196E: csect-name Data length data-length set by exit exit-name is larger than agent buffer length ab-length**

### Explanation

The user exit *exit-name* returned data in the supplied agent buffer, but the length specified is greater than the length of the buffer.

### Severity

8

### **System action**

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

### **System programmer response**

Investigate why the user exit program set an invalid data length.

## **CSQX197E: *csect-name* Data length data-length set by exit exit-name is larger than exit buffer length eb-length**

### **Explanation**

The user exit *exit-name* returned data in the supplied exit buffer, but the length specified is greater than the length of the buffer.

### **Severity**

8

### **System action**

Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

### **System programmer response**

Investigate why the user exit program set an invalid data length.

## **CSQX199E: *csect-name* Unrecognized message code *ccc***

### **Explanation**

An unexpected error message code has been issued by the channel initiator.

### **Severity**

8

### **System action**

Processing continues.

### **System programmer response**

Note the code *ccc* (which is shown in hexadecimal) and contact your IBM support center to report the problem.

**CSQX201E: *csect-name* Unable to allocate conversation, channel *channel-name*, connection *conn-id* TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

**Explanation**

An attempt to allocate a conversation on connection *conn-id* was not successful. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there may also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

**System action**

The channel is not started.

**System programmer response**

The error may be due to an incorrect entry in the channel definition or some problems in the APPC setup. Correct the error and try again

It could also be that the listening program at the remote end is not running. If so, perform the necessary operations to start the listener for *trptype*, and try again.

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from the communications system. If using TCP/IP, see the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

**CSQX202E: *csect-name* Connection or remote listener unavailable, channel *channel-name*, connection *conn-id* TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

**Explanation**

An attempt to allocate a conversation was not successful because the connection *conn-id* was unavailable. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

The attempt to start the channel is retried.

### System programmer response

Try again later.

A likely cause is that the listener at the remote end was not running or has been started using the wrong port or LU name. If this is the case, perform the necessary operations to start the appropriate listener, and try again.

See Chapter 7, “Communications protocol return codes,” on page 1299 for information about the cause of the return code from the communications system. If using TCP/IP, see the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

## **CSQX203E: *csect-name* Error in communications configuration, channel *channel-name*, connection *conn-id* TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

### Explanation

An attempt to allocate a conversation on connection *conn-id* was not successful because of a communications configuration error. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

The channel is not started.

### System programmer response

See Chapter 7, “Communications protocol return codes,” on page 1299 for information about the cause of the return code from the communications system.

Probable causes are:

- If the communications protocol is LU 6.2:
  - One of the transmission parameters (MODENAME or TPNAME or PARTNER\_LU) in the side information is incorrect, or that there is no side information for the symbolic destination name specified as the connection name. Correct the error and try again.
  - An LU 6.2 session has not been established, perhaps because the LU has not been enabled. Issue the z/OS command VARY ACTIVE if this is the case.
- If the communications protocol is TCP/IP:
  - The connection name specified is incorrect, or that it cannot be resolved to a network address, or the name may not be in the name server. Correct the error and try again.
  - If the return code is zero, there is a name server problem. The OMVS command OPING usually fails in the same way. Resolve this failure and restart the channel. Check the `/etc/resolv.conf` file and check that the correct name server address is specified in the NSINTERADDR statement.

See the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

## **CSQX204E: *csect-name* Connection attempt rejected, channel *channel-name*, connection *conn-id* TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

### **Explanation**

An attempt to connect on connection *conn-id* was rejected. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### **Severity**

8

### **System action**

The channel is not started.

### **System programmer response**

Check the appropriate listener has been started on the remote end.

See Chapter 7, “Communications protocol return codes,” on page 1299 for information about the cause of the return code from the communications system.



If the communications protocol is LU 6.2, it is possible that either the user ID or password supplied at the remote LU is incorrect. The remote host or LU may not be configured to allow connections from the local host or LU.

If the communications protocol is TCP/IP, it is possible that the remote host does not recognize the local host. See the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

**CSQX205E: *csect-name* Unable to resolve network address, channel *channel-name*, connection *conn-id* TRPTYPE=TCP RC=*return-code* (return-text) reason=*reason***

**Explanation**

The supplied connection name *conn-id* could not be resolved into a TCP/IP network address. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

**System action**

The channel is not started.

**System programmer response**

Check the local TCP/IP configuration. Either the name server does not contain the host or LU name, or the name server was not available.

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from TCP/IP. See the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

**CSQX206E: *csect-name* Error sending data, channel *channel-name*, connection *conn-id* (queue manager *qmgr-name*) TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

**Explanation**

An error occurred sending data to *conn-id*, which may be due to a communications failure. The associated channel is *channel-name* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

The channel is stopped. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### System programmer response

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from the communications system. If using TCP/IP, see the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

Note that the error may have occurred because the channel at the other end has stopped for some reason, for example an error in a receive user exit.

## **CSQX207E: *csect-name* Invalid data received, connection *conn-id* (queue manager *qmgr-name*) TRPTYPE=*trptype***

### Explanation

Data received from connection *conn-id* was not in the required format. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

### Severity

8

### System action

The data is ignored.

### System programmer response

A likely cause is that an unknown host or LU is attempting to send data.

**CSQX208E: *csect-name* Error receiving data, channel *channel-name*, connection *conn-id* (queue manager *qmgr-name*) TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

**Explanation**

An error occurred receiving data from connection *conn-id*, which may be due to a communications failure. The associated channel is *channel-name* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

**System action**

The channel is stopped. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

**System programmer response**

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from the communications system. If using TCP/IP, see the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

**CSQX209E: *csect-name* Connection unexpectedly terminated, channel *channel-name*, connection *conn-id* (queue manager *qmgr-name*) TRPTYPE=*trptype* RC=*return-code* (return-text) reason=*reason***

**Explanation**

An error occurred receiving data from connection *conn-id*. The connection to the remote host or LU has unexpectedly terminated. The associated channel is *channel-name* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

However, this message can also occur in cases where there is no error; for example, if the TCP/IP command TELNET is issued that is directed at the port which the channel initiator is using.

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

If a channel is involved, it is stopped. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### System programmer response

Review the local and remote console logs for reports of network errors.

## **CSQX210E: *csect-name* Unable to complete bind, channel *channel-name*, connection *conn-id* TRPTYPE=LU62 RC=*return-code* (*return-text*) reason=*reason***

### Explanation

An incoming attach request arrived on connection *conn-id*, but the local host or LU was unable to complete the bind. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

The return code from APPC/MVS allocate services was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

The channel is not started.

### System programmer response

Check the APPC/MVS configuration.

See "APPC allocate services return codes" on page 1308 for the cause of the return code from APPC/MVS allocate services, and the *Writing Servers for APPC/MVS* manual for more information.

**CSQX212E: *csect-name* Unable to allocate socket, channel channel-name, TRPTYPE=TCP RC=*return-code* (return-text) reason=reason**

**Explanation**

A TCP/IP socket could not be created, possibly because of a storage problem. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

The return code from TCP/IP was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

**System action**

The channel is not started.

**System programmer response**

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from TCP/IP. See the *z/OS UNIX System Services Messages and Codes* manual for information about the reason code.

**CSQX213E: *csect-name* Communications error, channel channel-name, TRPTYPE=*trptype* function 'func' RC=*return-code* (return-text) reason=reason**

**Explanation**

An unexpected communications error occurred for a listener or a channel. If it was for a listener, the *csect-name* is CSQXCLMA, and the channel name is shown as '????'. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

*trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

*func* is the name of the TCP/IP or APPC/MVS function that gave the error. In some cases the function name is not known and so is shown as '????'.

*return-code* is

- normally, the return code (in hexadecimal) from the communications system function
- for an LU 6.2 listener, it may be the reason code (in hexadecimal) from APPC/MVS allocate services

- if it is of the form 10009*nnn* or 20009*nnn*, it is a distributed queuing message code.

*return-text* is the text form of the return code.

For some errors, there may also be an associated reason code *reason* (in hexadecimal) giving more information.

### Severity

8

### System action

If the error occurred for a channel, the channel is stopped. For a listener, the channel is not started or, in some cases, the listener terminates.

### System programmer response

See Chapter 7, “Communications protocol return codes,” on page 1299 for information about the cause of the return code from the communications system.

A distributed queuing message code *nnn* is generally associated with message CSQX*nnn*E, which will normally be issued previously. See that message explanation for more information. Where no such message is described, see Chapter 9, “Distributed queuing message codes,” on page 1313 for the corresponding message number.

Check for error messages on the partner system that may indicate the cause of the problem.

## **CSQX215E: *csect-name* Communications network not available, TRPTYPE=*trptype***

### Explanation

An attempt was made to use the communications system, but it has not been started or has stopped. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

### Severity

8

### System action

The channel or listener is not started.

### System programmer response

Start the communications system, and try again.

**CSQX218E: *csect-name* Listener not started – unable to bind, port port address ip-address, TRPTYPE=TCP INDISP=*disposition*, RC=*return-code***

**Explanation**

An attempt to bind the TCP/IP socket to the indicated listener port was not successful. *ip-address* is the IP address used, or '\*' if the listener is using all IP addresses. The return code (in hexadecimal) from TCP/IP was *return-code*.

*disposition* shows which type of incoming requests the listener was handling:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

8

**System action**

The listener is not started.

**System programmer response**

The failure could be due to another program using the same port number.

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the return code from TCP/IP.

**CSQX219E: *csect-name* Listener stopped – error creating new connection, TRPTYPE=TCP INDISP=*disposition**disposition***

**Explanation**

An attempt was made to create a new TCP/IP socket because an attach request was received, but an error occurred.

*disposition* shows which type of incoming requests the listener was handling:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

8

## System action

The listener stops. The channel initiator will attempt to restart it, at the intervals specified by the LSTRTMR queue manager attribute.

## System programmer response

The failure may be transitory, try again later. If the problem persists, it may be necessary to stop some other jobs that use TCP/IP, or to restart TCP/IP.

## **CSQX220E: *csect-name* Communications network not available, channel channel-name, TRPTYPE=*trptype***

### Explanation

An attempt was made to use the communications system by a channel or a listener, but it has not been started or has stopped. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. If it was for a listener, the channel name is again shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP  
LU62 APPC/MVS

### Severity

8

### System action

The channel or listener is not started.

### System programmer response

Start the communications system, and try again.

## **CSQX228E: *csect-name* Listener unable to start channel, channel channel-name, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### Explanation

An incoming attach request arrived, but the listener for *trptype* could not start an instance of a channel to respond to it. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

*disposition* shows which type of incoming requests the listener was handling:

#### QMGR

those directed to the target queue manager

#### GROUP

those directed to the queue-sharing group.



However, this message can also occur in cases where there is no error; for example, if the TCP/IP command TELNET is issued that is directed at the port which the channel initiator is using.

### Severity

8

### System action

If a channel is involved, it is not started.

### System programmer response

The failure could be because the channel initiator is currently too busy; try again when there are fewer channels running. If the problem persists, increase the number of dispatchers used by the channel initiator.

## **CSQX234I: *csect-name* Listener stopped, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### Explanation

The specified listener terminated. This may be because a STOP command was issued, because there was an error in the communications system, or because of some other error.

*disposition* shows which type of incoming requests the listener was handling:

#### **QMGR**

those directed to the target queue manager

#### **GROUP**

those directed to the queue-sharing group.

### Severity

0

### System action

Processing continues. If the listener was not deliberately stopped, the channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR queue manager attribute.

### System programmer response

If the listener was not deliberately stopped, look at any preceding messages relating to the channel initiator or to the TCP/IP, OMVS, or APPC address spaces to determine the cause.

**CSQX235E: *csect-name* Invalid local address *local-addr*,  
channel *channel-name*, TRPTYPE=*trptype* RC=*return-code*  
(*return-text*) reason=*reason***

**Explanation**

The supplied local address *local-addr* could not be resolved to a TCP/IP network address. The associated channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

**System action**

The channel is not started.

**System programmer response**

Check the local TCP/IP configuration. Either the name server does not contain the host name, or the name server was not available.

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from TCP/IP.

**CSQX239E: *csect-name* Unable to determine local host name,  
channel *channel-name*, TRPTYPE=TCP RC=*return-code*  
(*return-text*) reason=*reason***

**Explanation**

An attempt was made to start a channel or listener using TCP/IP, but the TCP/IP `gethostname` call failed. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. If it was for a listener, the channel name is again shown as '????'.

The return code from it was: (in hexadecimal) *return-code*, (in text) *return-text*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

**Severity**

8

## System action

The channel or listener is not started.

## System programmer response

See Chapter 7, "Communications protocol return codes," on page 1299 for information about the cause of the return code from TCP/IP.

## **CSQX250E: *csect-name* Listener ended abnormally, TRPTYPE=*trptype* INDISP=*disposition*, reason=*sssuuu-reason***

### Explanation

The specified listener is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

*disposition* shows which type of incoming requests the listener was handling:

#### QMGR

those directed to the target queue manager

#### GROUP

those directed to the queue-sharing group.

### Severity

8

## System action

The listener ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR queue manager attribute.

## System programmer response

User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

## **CSQX251I: *csect-name* Listener started, TRPTYPE=*trptype* INDISP=*disposition* disposition**

### Explanation

The specified listener started successfully. This may be as a result of a START LISTENER command, or because the listener restarted automatically following an error.

*disposition* shows which type of incoming requests the listener was handling:

#### QMGR

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**System action**

Processing continues.

**CSQX256E: *csect-name* Listener stopped – error selecting new connection, TRPTYPE=TCP INDISP=*disposition* disposition****Explanation**

An error occurred in the listener select processing. The listener was notified by TCP/IP, but no attach request was received.

*disposition* shows which type of incoming requests the listener was handling:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

8

**System action**

The listener stops. The channel initiator will attempt to restart it, at the intervals specified by the LSTRTMR queue manager attribute.

**System programmer response**

The failure may be transitory, try again later. If the problem persists, it may be necessary to stop some other jobs that use TCP/IP, or to restart TCP/IP.

**CSQX257I: *csect-name* Listener unable to create new connection, TRPTYPE=TCP INDISP=*disposition* disposition****Explanation**

An attempt was made to create a new TCP/IP socket because an attach request was received, but an error occurred.

*disposition* shows which type of incoming requests the listener was handling:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

## Severity

4

## System action

The listener continues to run, but the connection is not created.

## System programmer response

The failure may be transitory, try again later. If the problem persists, it may be necessary to stop some other jobs that use TCP/IP, or to restart TCP/IP.

## **CSQX258E: *csect-name* Listener stopped – error accepting new connection, TRPTYPE=TCP INDISP=*disposition* disposition**

### Explanation

An error occurred in the listener accept processing. The listener was notified by TCP/IP, but no attach request was received.

*disposition* shows which type of incoming requests the listener was handling:

#### QMGR

those directed to the target queue manager

#### GROUP

those directed to the queue-sharing group.

## Severity

8

## System action

The listener stops. The channel initiator will attempt to restart it, at the intervals specified by the LSTRTMR queue manager attribute.

## System programmer response

The failure may be transitory, try again later. If the problem persists, it may be necessary to stop some other jobs that use TCP/IP, or to restart TCP/IP.

## **CSQX259E: *csect-name* Connection timed out, channel channel-name, connection conn-id (queue manager qmgr-name) TRPTYPE=*trptype***

### Explanation

The connection *conn-id* timed out. The associated channel is *channel-name* and the associated remote queue manager is *qmgr-name*; in some cases the names cannot be determined and so are shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

## LU62 APPC/MVS

Probable causes are:

- A communications failure.
- For a message channel, if the Receive Timeout function is being used (as set by the RCVTIME, RCVTTYTYPE, and RCVTMIN queue manager attributes) and no response was received from the partner within this time.
- For an MQI channel, if the Client Idle function is being used (as set by the DISCINT server-connection channel attribute) and the client application did not issue an MQI call within this time.

### Severity

8

### System action

The channel stops.

### System programmer response

For a message channel, check the remote end to see why the time out occurred. Note that, if retry values are set, the remote end will restart automatically. If necessary, set the receive wait time for the queue manager to be higher.

For an MQI channel, check that the client application behaviour is correct. If so, set the disconnect interval for the channel to be higher.

## **CSQX260E: *csect-name* Client Attachment feature unavailable, channel *channel-name*, connection *conn-id***

### Explanation

An attempt to attach a client on connection *conn-id* by MQI channel *channel-name* was rejected because the client attachment feature is not available. In some cases, the channel name cannot be determined and so is shown as '????'.

### Severity

8

### System action

The client is not attached, and the connection from the client application fails with MQRC\_Q\_MGR\_NOT\_AVAILABLE.

### System programmer response

Install the client attachment feature if support for clients is required.

## **CSQX261E: *csect-name* No suitable IP stack available, channel *channel-name*, connection *conn-id***

### **Explanation**

An attempt to allocate a conversation on connection *conn-id* for channel *channel-name* using TCP/IP communications was not successful because the IP stack used did not support the IP address family required for the connection.

### **Severity**

8

### **System action**

The channel is not started.

### **System programmer response**

If the channel's CONNAME attribute resolves to an IPv6 address, then ensure the stack being used by the combination of the TCPNAME queue manager attribute and the channel's LOCLADDR attribute supports IPv6. If the channel's CONNAME attribute resolves to an IPv4 address, then ensure the stack being used by the combination of the TCPNAME queue manager attribute and the channel's LOCLADDR attribute supports IPv4.

## **CSQX262E: *csect-name* Communications canceled, channel *channel-name*, TRPTYPE=*trptype***

### **Explanation**

An unexpected communications error occurred for a listener or a channel. This error occurs if the channel was stopped with mode FORCE and the communications session was canceled.

The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *trptype* shows the communications system used:

TCP TCP/IP

LU62 APPC/MVS

### **Severity**

8

### **System action**

The channel is stopped.

### **System programmer response**

Restart the channel if appropriate.

## **CSQX263I: csect-name Client Attachment feature unavailable, admin channel channel-name allowed, connection conn-id**

### **Explanation**

A Client Attachment on connection conn-id by MQI channel channel-name was allowed without installation of the client attachment feature. Only a restricted number of these will be allowed and they should only be used for administration of the Queue Manager.

### **Severity**

0

### **System action**

The client is attached and uses up one of the 5 allowed.

### **System programmer response**

Install the Client Attachment feature if support for clients is required for purposes other than administration, or if more than 5 attachments are required.

## **CSQX403I: csect-name Auto-definition of channel channel-name suppressed by exit exit-name**

### **Explanation**

In response to a request to start a channel that was not defined, an attempt was made to define it automatically. The channel auto-definition exit *exit-name* prevented it being defined.

### **Severity**

0

### **System action**

The channel is not started.

## **CSQX404I: csect-name REFRESH CLUSTER REPOS(YES) command processed, cluster cluster-name, n objects changed**

### **Explanation**

The repository manager successfully processed a REFRESH command with the REPOS(YES) option for the indicated cluster.

### **Severity**

0



### System action

None.

## **CSQX405I: *csect-name* FORCEREMOVE QUEUES(YES) command processed, cluster cluster-name, target target**

### Explanation

The repository manager successfully processed a RESET ACTION(FORCEREMOVE) command with the QUEUES(YES) option for the indicated cluster and target queue manager.

### Severity

0

### System action

None.

## **CSQX406E: *csect-name* REFRESH CLUSTER REPOS(YES) command failed, cluster cluster-name, – *qmgr-name* is a full repository**

### Explanation

The repository manager could not process a REFRESH command with the REPOS(YES) option for the indicated cluster, because the local queue manager provides full repository management service for the cluster.

### Severity

8

### System action

The command is ignored.

### System programmer response

Reissue the command with the correct values or on the correct queue manager. It may be necessary to change the queue manager so that it is not a full repository for the cluster.

## **CSQX407I: *csect-name* Cluster queue *q-name* definitions inconsistent**

### Explanation

The definition of a cluster queue has different values for the DEFPRTY, DEFPSIST, and DEFBIND attributes on the various queue managers in the cluster.

All definitions of the same cluster queue should be identical; otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster queue with the option MQOO\_BIND\_AS\_Q\_DEF, and the different instances of the queue have different DEFBIND values, the behavior of the message transfer depends on which instance of the queue happens to be selected when it is opened.

### **Severity**

4

### **System action**

None.

### **System programmer response**

Alter the definitions of the queue on the various queue managers so that they have identical values for these attributes.

## **CSQX410I: *csect-name* Repository manager started**

### **Explanation**

The repository manager started successfully.

### **Severity**

0

### **System action**

None.

## **CSQX411I: *csect-name* Repository manager stopped**

### **Explanation**

The repository manager stopped. This may be for one of three reasons:

- The channel initiator is stopping.
- The channel initiator is starting and the queues used by the repository manager have not been defined because clustering is not required.
- An error has occurred.

### **Severity**

0

### **System action**

Processing continues, but clustering is not available.

## System programmer response

If an error has occurred, investigate the problem reported in the preceding messages.

### **CSQX412E: *csect-name* Misdirected repository command, target *target-id* sender *sender-id***

#### Explanation

The repository manager received a command intended for some other queue manager, whose identifier is *target-id*. The command was sent by the queue manager with identifier *sender-id*.

#### Severity

8

#### System action

The command is ignored, and the error is reported to the sender.

#### System programmer response

Check the channel and cluster definitions of the sending queue manager.

### **CSQX413E: *csect-name* Repository command format error, command code *command***

#### Explanation

An internal error has occurred.

#### Severity

8

#### System action

The command is ignored, and the error is reported to the sender; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

#### System programmer response

Collect the items listed in the Problem Determination section and contact your IBM support center.

#### Problem determination

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log

- The CSQSNAP data set

**CSQX415E: *csect-name* Repository command state error, command code command cluster object object-name, sender sender-id**

**Explanation**

An internal error has occurred.

**Severity**

8

**System action**

The command is ignored; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

**System programmer response**

Collect the items listed in the Problem Determination section and contact your IBM support center.

**Problem determination**

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

**CSQX416E: *csect-name* Repository command processing error, RC=return-code, command code command cluster object object-name, sender sender-id**

**Explanation**

An internal error has occurred.

**Severity**

8

**System action**

The command is ignored; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

## System programmer response

Collect the items listed in the Problem Determination section and contact your IBM support center.

## Problem determination

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

## **CSQX417I: *csect-name* Cluster-senders remain for removed queue manager *qmgr-name***

### Explanation

The indicated queue manager has been deleted or forcibly removed from a cluster, but there are manually-defined cluster-sender channels that refer to it. This means that the repository manager will continue to send cluster information to the removed queue manager.

### Severity

0

### System programmer response

Delete the manually-defined cluster-sender channels that refer to *qmgr-name*.

## **CSQX418I: *csect-name* Only one repository for cluster *cluster-name***

### Explanation

The repository manager has received information about a cluster for which it is the only full repository.

### Severity

0

### System action

None.

### System programmer response

If you require a second full repository, alter the REPOS or REPOSNL attribute of the second queue manager that is to have a full repository for the cluster to specify the cluster name.

**CSQX419I: *csect-name* No cluster-receivers for cluster *cluster-name***

**Explanation**

The repository manager has received information about a cluster for which no cluster-receiver channels are known.

**Severity**

0

**System action**

None.

**System programmer response**

Define cluster-receiver channels for the cluster on the local queue manager.

**CSQX420I: *csect-name* No repositories for cluster *cluster-name***

**Explanation**

The repository manager has received information about a cluster for which no full repositories are known.

**Severity**

0

**System action**

None.

**System programmer response**

Define a cluster-sender channel for connecting to the queue manager that is the full repository for the cluster, or alter the REPOS or REPOSNL attribute of the queue manager that is to have a full repository for the cluster to specify the cluster name.

**CSQX422E: *csect-name* Repository manager error, RC=*return-code***

**Explanation**

An internal error has occurred.

**Severity**

8

## System action

The repository manager attempts to continue processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

## System programmer response

Collect the items listed in the Problem Determination section and contact your IBM support center.

## Problem determination

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

## **CSQX425E: *csect-name* Repository command merge error, command code command cluster object object-name, sender sender-id**

### Explanation

An internal error has occurred.

### Severity

8

### System action

The command is ignored; the repository manager continues processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

### System programmer response

Collect the items listed in the Problem Determination section and contact your IBM support center.

### Problem determination

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

**CSQX426E: *csect-name* Undeliverable repository command, channel *channel-name*, target *target-id* command code command**

**Explanation**

The repository manager tried to send a command to another queue manager using channel *channel-name*. The other queue manager, whose identifier is *target-id*, could not be found.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Check the channel and cluster definitions of the sending and receiving queue managers.

**CSQX427E: *csect-name* Cluster-sender not connected to repository, cluster *cluster-name*, channel *channel-name*, target *target-id***

**Explanation**

A cluster-sender channel must be connected to a queue manager that is a full repository for all the clusters for the channel, and the corresponding cluster-receiver channel must be in the same clusters. Channel *channel-name* in cluster *cluster-name* does not satisfy this. *target-id* is the identifier of the target queue manager for the channel.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Check the definition of the channel on both queue managers to ensure that it is connected to a full repository for the clusters, and that it is in the same clusters on both queue managers.



**CSQX428E: *csect-name* Unexpected queue or query repository command, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

**Explanation**

The repository manager received a command from another queue manager, whose identifier is *sender-id*, relating to cluster *cluster-name*. The local queue manager cannot accept the command because it is not a full repository for the cluster and (in the case of a queue command) it does not have an interest in the cluster queue. The cluster-sender channel used by the other queue manager was *channel-name*.

This can also occur a command destined for the local repository manager is delayed in the network and is out of date when it arrives, for example because a REFRESH CLUSTER command has been issued on the local repository manager has caused its view of the cluster to change.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Check the definition of the channel on both queue managers to ensure that it is connected to a full repository for the cluster.

If the message occurs because a command is out of date, the message can be ignored.

**CSQX430E: *csect-name* Unexpected queue manager repository command, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

**Explanation**

The repository manager received a command from another queue manager, whose identifier is *sender-id*, relating to cluster *cluster-name*. The local queue manager cannot accept the command because it is not a full repository for the cluster, it does not have an interest in the cluster channel, and it does not have any matching cluster-sender channels. The cluster-sender channel used by the other queue manager was *channel-name*.

This message may appear on a queue manager that has defined a cluster-sender channel to another queue manager that does not host a full repository, if the other queue manager is later modified to host a full repository.

**Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Check the definition of the channel on the sending queue manager to ensure that it is connected to a full repository for the cluster.

## **CSQX431I: *csect-name* Repository unavailable, cluster cluster-name, channel channel-name, sender sender-id**

### **Explanation**

The repository manager received a command from another queue manager, whose identifier is *sender-id*, reporting that it is no longer a full repository for cluster *cluster-name*.

### **Severity**

0

### **System action**

The cluster-sender channel *channel-name* is changed so that it can no longer be used to access the other queue manager in relation to the cluster.

## **CSQX433E: *csect-name* Cluster-receiver and cluster-sender differ, cluster cluster-name, channel channel-name, sender sender-id**

### **Explanation**

The repository manager received a command from another queue manager, whose identifier is *sender-id*. The cluster-sender channel *channel-name* on that queue manager is in cluster *cluster-name*, but the corresponding cluster-receiver channel on the local queue manager is not.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Change the definition of the channel so that it is in the same clusters on both queue managers.

## **CSQX434E: *csect-name* Unrecognized message on name**

### **Explanation**

The channel initiator found a message on one of its queues that either had a format that could not be recognized or did not come from a queue manager or channel initiator.

### **Severity**

8

### **System action**

The message is put on the dead-letter queue.

### **System programmer response**

Examine the message on the dead-letter queue to determine the originator of the message.

## **CSQX435E: *csect-name* Unable to put repository manager message, target *target-id* MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The repository manager tried to send a message to SYSTEM.CLUSTER.COMMAND.QUEUE on another queue manager whose identifier is *target-id*, but the MQPUT call was unsuccessful.

### **Severity**

4

### **System action**

Processing continues, but repository information may be out of date.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running.

When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to be sure that the repository information is up to date.

This error may occur if the REFRESH CLUSTER REPOS(YES) command is issued against a full repository, as the full repository will then be temporarily unable to fulfil requests from other repositories until it has rebuilt the cluster. If there is more than one full repository for the cluster, the problem will resolve itself. If there is only a single full repository for the cluster, the REFRESH CLUSTER command will need to be run against all the other queue managers in the cluster to make them contact the full repository again.

## **CSQX436E: *csect-name* Unable to put repository manager message, cluster cluster-name, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The repository manager tried to send a message to SYSTEM.CLUSTER.COMMAND.QUEUE on a queue manager that has the full repository for the specified cluster, but the MQPUT was unsuccessful.

### **Severity**

4

### **System action**

Processing continues, but repository information may be out of date.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running.

When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to be sure that the repository information is up to date.

## **CSQX437E: *csect-name* Unable to commit repository changes**

### **Explanation**

The repository manager tried to commit some updates to the repository but was unsuccessful.

### **Severity**

4

### **System action**

Processing continues, but local repository information may be out of date.

### **System programmer response**

If this occurs when the channel initiator is stopping, it can be ignored because the local repository information will normally be updated automatically when the channel initiator is restarted. If there is an isolated occurrence at other times, use the REFRESH CLUSTER command to bring the local repository information up to date.

If the problem persists, contact your IBM support center.

## **CSQX438E: *csect-name* Unable to reallocate messages, channel channel-name, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The repository manager was unable to reallocate messages for the specified channel to another destination.

### **Severity**

8

### **System action**

The messages remain on the transmission queue.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*. Use this information in conjunction with any preceding error messages to determine the cause of the problem. When the problem is corrected, restart the channel.

## **CSQX439E: *csect-name* Repository error for channel channel-name**

### **Explanation**

An internal error has occurred.

### **Severity**

8

### **System action**

The repository manager attempts to continue processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

### **System programmer response**

Collect the items listed in the Problem Determination section and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

**CSQX440E: *csect-name* FORCEREMOVE command failed, cluster cluster-name, target target – repository is not on qmgr-name**

**Explanation**

The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because the local queue manager does not provide a full repository management service for the cluster.

**Severity**

8

**System action**

The command is ignored.

**System programmer response**

Reissue the command with the correct values or on the correct queue manager.

**CSQX441I: *csect-name* FORCEREMOVE command processed, cluster cluster-name, target target**

**Explanation**

The repository manager successfully processed a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager.

**Severity**

0

**System action**

None.

**CSQX442I: *csect-name* REFRESH CLUSTER command processed, cluster cluster-name, n objects changed**

**Explanation**

The repository manager successfully processed a REFRESH command for the indicated cluster.

**Severity**

0

**System action**

None.

**CSQX443I: *csect-name* SUSPEND QMGR command processed, cluster cluster-name, n objects changed****Explanation**

The repository manager successfully processed a SUSPEND QMGR command for the indicated cluster. (Where the command specified a namelist of clusters, the message is issued only for the first cluster in the namelist.)

**Severity**

0

**System action**

None.

**CSQX444I: *csect-name* RESUME QMGR command processed, cluster cluster-name, n objects changed****Explanation**

The repository manager successfully processed a RESUME QMGR command for the indicated cluster. (Where the command specified a namelist of clusters, the message is issued only for the first cluster in the namelist.)

**Severity**

0

**System action**

None.

**CSQX447E: *csect-name* Unable to backout repository changes****Explanation**

Following an error, the repository manager tried to backout some updates to the local repository but was unsuccessful.

**Severity**

8

**System action**

The repository manager terminates.

### **System programmer response**

If the repository manager subsequently restarts successfully, or if on restarting the channel initiator the repository manager subsequently starts successfully, this can be ignored.

If not, contact your IBM support center.

## **CSQX448E: *csect-name* Repository manager stopping because of errors. Restart in n seconds**

### **Explanation**

A severe error, as reported in the preceding messages, occurred during repository manager processing; the repository manager is unable to continue.

### **Severity**

8

### **System action**

The repository manager terminates. The channel initiator will try to restart it after the specified interval.

### **System programmer response**

Correct the problem reported in the preceding messages.

## **CSQX449I: *csect-name* Repository manager restarted**

### **Explanation**

The repository manager restarted successfully following an error.

### **Severity**

0

### **System action**

None.

## **CSQX453E: *csect-name* FORCEREMOVE command failed, cluster cluster-name, target target is not unique**

### **Explanation**

The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because there is more than one queue manager with the specified name in the cluster.



### Severity

8

### System action

The command is ignored.

### System programmer response

Reissue the command specifying the identifier (QMID) of the queue manager to be removed, rather than its name.

## **CSQX455E: *csect-name* FORCEREMOVE command failed, cluster cluster-name, target target not found**

### Explanation

The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because no information about that queue manager was found in the local repository.

### Severity

8

### System action

The command is ignored.

### System programmer response

Reissue the command specifying the correct queue manager name or identifier.

## **CSQX456I: *csect-name* Full repository update not received, cluster cluster-name, queue *q-name* (queue manager *qmgr-name*)**

### Explanation

The repository manager found a cluster queue that had been used in the last 30 days, and for which updated information should have been received. However, no such information has been received. The queue is *q-name* in *cluster-name*, and its queue manager is *qmgr-name*.

If the queue manager is a partial repository for the queue, the updated information should have been sent from a full repository. If the queue manager is a full repository, the updated information should have been sent from the queue manager on which the queue is defined.

### Severity

0

### System action

The repository manager will keep information about this queue for a further 60 days. If information has not been sent to a full repository then this queue will not be used to satisfy any new requests for cluster resources made to this full repository.

### System programmer response

If the queue is still required, check that:

- The cluster channels to and from the queue manager that is the full repository for the cluster, and between there and the queue manager where the queue is located, are able to run.
- The repository managers on those queue managers have not ended abnormally.

## **CSQX457I: *csect-name* Repository available, cluster cluster-name, channel channel-name, sender sender-id**

### Explanation

The repository manager received a command from another queue manager, whose identifier is *sender-id*, reporting that it is once again a full repository for cluster *cluster-name*.

### Severity

0

### System action

The cluster-sender channel *channel-name* is changed so that it can be used to access the other queue manager in relation to the cluster.

## **CSQX460E: *csect-name* Cluster cache is full**

### Explanation

No more space is available in the cluster cache area.

### Severity

8

### System action

The repository manager terminates. The channel initiator will try to restart it after the specified interval.

### System programmer response

The problem may be temporary. If it persists, the queue manager must be restarted; this will cause more space to be allocated for the cluster cache area.

Consider changing the cluster cache type system parameter CLCACHE to dynamic, so that more space for the cache will be obtained automatically as required. (If you are using a cluster workload exit, ensure that it supports a dynamic cluster cache.) See the CSQ6SYSP macro in the WebSphere MQ for z/OS System Setup Guide for information about the system parameters.

**CSQX461I: *csect-name* Cluster cache entry corrected, cluster queue manager *clusqmgr-name*, channel *channel-name*, connection *conn-id***

**Explanation**

At channel initiator restart, the repository manager found a corrupted entry in the cluster cache. The entry has been corrected.

**Severity**

4

**System action**

Processing continues. The cluster channel to which the entry refers, *channel-name* using connection *conn-id*, will be available for use.

**System programmer response**

None. You can verify that the entry was successfully corrected by issuing the command DISPLAY CLUSQMGR(*clusqmgr-name*) on the queue manager where this message was issued.

**CSQX462E: *csect-name* Cluster cache entry is unusable, cluster queue manager *clusqmgr-name*, channel *channel-name*, connection *conn-id***

**Explanation**

At channel initiator restart, the repository manager found a corrupted entry in the cluster cache which could not be corrected.

**Severity**

8

**System action**

The corrupted entry is ignored. The cluster channel to which it refers, *channel-name* using connection *conn-id*, will not be usable.

**System programmer response**

The corrupted entry must be corrected and reintroduced by issuing the command ALTER CHANNEL(*channel-name*) CHLTYPE(CLUSRCVR)

on the cluster queue manager *clusqmgr-name*. You can verify that the entry was successfully reintroduced by issuing the command DISPLAY CLUSQMGR(*clusqmgr-name*) on the queue manager where this message was issued.

## **CSQX463E: *csect-name* Error accessing cluster cache entry**

### **Explanation**

There was an internal error when accessing a cluster cache entry.

### **Severity**

8

### **System action**

Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN. The component where the error occurred (message channel agent, repository manager) usually terminates; in some cases, the end result will be that the channel initiator terminates.

### **System programmer response**

Collect the items listed in the Problem Determination section and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

## **CSQX465I: *csect-name* New cluster topic definition inconsistent, topic *topic-name*, queue manager identifier *qmid*, attribute *attr***

### **Explanation**

The definition of the cluster topic *topic-name*, defined on queue manager identifier *qmid* has different *attr* attribute value than one or more cluster topics that already exist in the cluster cache. The existing topic objects are reported by message CSQX466I.

All definitions of the same cluster topic should be identical; otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster topic and the different instances of the topic have different TOPICSTR values, the behavior of the message transfer depends on which instance of the topic happens to be selected when it is opened.

### Severity

4

### System action

None.

### System programmer response

Alter the definitions of the topic on the various queue managers so that they have identical values for all attributes.

## **CSQX466I: csect-name Cluster topic definitions inconsistent, topic topic-name, queue manager identifier qmid attribute attr**

### Explanation

The definition of the cluster topic *topic-name*, defined on queue manager identifier *qmid* has different *attr* attribute value than a cluster topic being added to the cluster cache. The topic object being added is reported by message CSQX465I.

All definitions of the same cluster topic should be identical; otherwise, problems may arise if your applications rely on one of these attributes to determine messaging behavior. For example, if an application opens a cluster topic and the different instances of the topic have different TOPICSTR values, the behavior of the message transfer depends on which instance of the topic happens to be selected when it is opened.

### Severity

4

### System action

None.

### System programmer response

Alter the definitions of the topic on the various queue managers so that they have identical values for all attributes.

## **CSQX470E: csect-name Channel channel-name has the wrong disposition disposition**

### Explanation

The action you requested cannot be performed on channel *channel-name* because it has the wrong disposition. For example, the action asked for a shared channel, but its disposition is private.

### Severity

8

## System action

The requested action is not performed.

## System programmer response

Check whether the channel name is specified correctly. If it is, check that:

- The channel has been defined correctly
- The transmission queue name identifies the correct queue, and that queue has the required disposition.

The disposition of an instance of a channel is **not** related to that specified by QSGDISP in the channel definition:

- A sending channel is *shared* if its transmission queue is shared, and *private* if it is not.
- A receiving channel is *shared* if it was started in response to an inbound transmission directed to the queue-sharing group, and *private* if it was started in response to an inbound transmission directed to the queue manager.

## CSQX471I: *csect-name nn* shared channels to restart, *nn* requests issued

### Explanation

The channel initiator is shutting down; it owns some active shared sending channels, and they have not been requested to stop. Requests to restart these channels on another queue manager have been issued as shown.

### Severity

0

### System action

The channel initiator shutdown processing continues.

### System programmer response

If the numbers in the message differ, the channel initiator was not able to issue restart requests for all the channels. In this case, use the DISPLAY CHSTATUS command to determine which channels are still owned by the queue manager for the channel initiator that is shutting down, and which therefore have not been restarted, and restart them manually as required.

## CSQX473E: *csect-name* Listener unable to register to WLM/DNS, TRPTYPE=TCP INDISP=*disposition* disposition host name=*hhh* server name=*sss*, RC=*return-code* reason=*reason*

### Explanation

While starting, the specified TCP/IP listener could not register with WLM/DNS. The return code from the IWMSRSRG service was *return-code* and the associated reason code was *reason* (both in hexadecimal).

### Severity

8

### System action

The listener is not started.

### System programmer response

See *z/OS MVS Workload Management Services* for more information about the return and reason codes from the IWMSRSRG service.

**CSQX474E: *csect-name* Listener unable to unregister from WLM/DNS, TRPTYPE=TCP INDISP=*disposition* dispositionhost name=hhh server name=sss, RC=*return-code* reason=*reason***

### Explanation

While stopping, the specified TCP/IP listener could not unregister from WLM/DNS. The return code from the IWMSRDRS service was *return-code* and the associated reason code was *reason* (both in hexadecimal).

### Severity

8

### System action

The listener stops. It may not be possible to restart it.

### System programmer response

See *z/OS MVS Workload Management Services* for more information about the return and reason codes from the IWMSRDRS service.

**CSQX475I: *csect-name* Channel channel-name adopted**

### Explanation

The specified channel, which was orphaned because of a communications error, has been adopted by a new instance of the channel.

### Severity

0

### System action

Processing continues.

## **CSQX476E: *csect-name* Channel *channel-name* is active on *qmgr-name*, shared status entry found**

### **Explanation**

An operation was requested on a channel that is active. Because the channel is shared, it may be active on another queue manager. If the channel is a receiver, a previous instance of it may have been orphaned and therefore still be active.

### **Severity**

8

### **System action**

The request fails.

### **System programmer response**

For operations other than starting the channel, either stop the channel manually, or wait for it to terminate, and retry the operation. It may be necessary to use MODE(FORCE) to stop the channel manually if the Adopt MCA function is not being used. Using the Adopt MCA function will avoid the need for manual intervention to handle orphaned receiver channels.

If the channel is not running on the named queue manager, then there is an orphaned shared status entry, which may be because a loss of connectivity to DB2 occurred. If the problem persists, contact your IBM support center.

## **CSQX477E: *csect-name* Channel *channel-name* is active, transmission queue *queue-name* in use on *qmgr-name***

### **Explanation**

An operation was requested on a channel that is active. The queue *queue-name* named as a transmission queue in the channel definition for *channel-name* is in use on another member of the queue sharing group, *qmgr-name*.

### **Severity**

8

### **System action**

The request fails.

### **System programmer response**

Do the following, as appropriate:

- Check if the channel is already running
- Check if another channel is using the queue by using the DISPLAY QSTATUS command
- Ensure the queue name is specified correctly in the channel definition
- Alter the queue usage attribute of the queue to that of a transmission queue.



If the channel is already running, for operations other than starting the channel, either stop the channel manually, or wait for it to terminate, and retry the operation. It may be necessary to use MODE(FORCE) to stop the channel manually if the Adopt MCA function is not being used. Using the Adopt MCA function will avoid the need for manual intervention to handle orphaned receiver channels.

## **CSQX478E: *csect-name* Channel channel-name is active on qmgr-name, connection tag in use**

### **Explanation**

An operation was requested on a channel that is active. The connection tag used to serialize the channel within the queue-sharing group is currently in use. Because the channel is shared, it may be active on another queue manager. If the channel is a receiver, a previous instance of it may have been orphaned and therefore still be active.

### **Severity**

8

### **System action**

The request fails.

### **System programmer response**

For operations other than starting the channel, either stop the channel manually, or wait for it to terminate, and retry the operation. It may be necessary to use MODE(FORCE) to stop the channel manually if the Adopt MCA function is not being used. Using the Adopt MCA function will avoid the need for manual intervention to handle orphaned receiver channels.

## **CSQX479E: *csect-name* Channel channel-name is active on qmgr-name, shared channel adoption failed**

### **Explanation**

An attempt was made to adopt channel *channel-name*, which was orphaned because of a communications error. It failed, either because the channel could not be stopped or because a response was not received from the queue manager *qmgr-name*.

### **Severity**

8

### **System action**

The request fails, and the orphaned channel may remain active.

### **System programmer response**

Investigate any preceding error messages to discover why the adopt failed. Either stop the channel manually, or wait for it to terminate, and retry the operation. It

may be necessary to use MODE(FORCE) to stop the channel manually.

## **CSQX482E: *csect-name* Shared channel function not available**

### **Explanation**

During the execution of a channel command, or during shared channel processing, an internal function required by the channel initiator was found to be unavailable.

### **Severity**

8

### **System action**

The channel command fails or the channel stops.

### **System programmer response**

Check that the DB2 tables required by MQ are correctly defined, and restart the queue manager and DB2 if necessary. If these appear to be running correctly, display the information in the shared channel status (CSQ.ADMIN\_B\_SCST) and the shared synchronization key (CSQ.ADMIN\_B\_SSKT) DB2 tables, and contact your IBM support center for further assistance. Refer to the WebSphere MQ for z/OS Problem Determination Guide for further information, and for details of a sample job (CSQ45STB) which shows the information in the DB2 tables.

## **CSQX483E: *csect-name* DB2 not available**

### **Explanation**

Because DB2 is not available, or is no longer available, the channel initiator cannot do processing for a shared channel.

### **Severity**

8

### **System action**

The channel command fails or the channel stops.

### **System programmer response**

Use the preceding messages on the z/OS console to investigate why DB2 is not available, and restart it if necessary.

## **CSQX484E: *csect-name* Error accessing DB2**

### **Explanation**

Because there was an error in accessing DB2, the channel initiator cannot do processing for a shared channel.

**Severity**

8

**System action**

The channel command fails or the channel stops.

**System programmer response**

Resolve the error reported in the preceding messages.

**CSQX485E: *csect-name* Shared channel status error****Explanation**

During the execution of a channel command, or during shared channel processing, shared channel status or shared synchronization key information, held in DB2, was found to be corrupted.

**Severity**

8

**System action**

The channel command fails or the channel stops.

**System programmer response**

Check that the DB2 tables required by MQ are correctly defined, and restart DB2 if necessary. If DB2 appears to be running correctly, display the information in the shared channel status (CSQ.ADMIN\_B\_SCST) and the shared synchronization key (CSQ.ADMIN\_B\_SSKT) DB2 tables, and contact your IBM support center for further assistance. Refer to the WebSphere MQ for z/OS Problem Determination Guide for further information, and for details of a sample job (CSQ45STB) which shows the information in the DB2 tables.

**CSQX486E: *csect-name* Shared channel channel-name definitions inconsistent****Explanation**

The definition of a shared channel has differing attribute values on the various queue managers in the queue-sharing group. For example, if the type of the channel differs start or stop requests cannot operate correctly.

**Severity**

8

**System action**

The request fails.

### **System programmer response**

Change the definitions of the channel so that they are the same on all the queue managers. If the channel type needs changing, you must delete and then redefine the channel.

## **CSQX496I: *csect-name* Channel channel-name stopping because of request by remote exit**

### **Explanation**

The channel is closing because the user channel exit at the remote end requested it.

### **Severity**

0

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

### **System programmer response**

Note that this puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

## **CSQX498E: *csect-name* Invalid MQCD field field-name, value=*nnn* (*xxx*)**

### **Explanation**

The MQCD structure returned by the channel auto-definition exit had an invalid value in the indicated field. The value is shown in decimal and hexadecimal.

### **Severity**

8

### **System action**

The channel is not defined.

### **System programmer response**

Correct the channel auto-definition exit.

## **CSQX500I: *csect-name* Channel channel-name started**

### **Explanation**

The specified channel has been started.

**Severity**

0

**System action**

Processing continues.

**CSQX501I: *csect-name* Channel channel-name is no longer active****Explanation**

The specified channel terminated. It is now inactive if it terminated normally when the disconnect interval expired, or stopped if it terminated because of an error or a STOP CHANNEL command.

**Severity**

0

**System action**

Processing continues.

**System programmer response**

If the channel is stopped, resolve any error, and issue a START CHANNEL command to restart the channel.

**CSQX502E: *csect-name* Action not allowed for channel channel-name****Explanation**

The action you requested cannot be performed on channel *channel-name*. Some actions are only valid for certain channel types; for example, you can only ping a sender or server channel.

**Severity**

8

**System action**

The requested action is not performed.

**System programmer response**

Check whether the channel name is specified correctly. If it is, check that:

- The channel has been defined correctly
- The connection name identifies the remote end correctly
- For a cluster-receiver channel, the connection name does not specify a generic address

- For TCP/IP connections, the port number specified by the local channel matches that used by the listener at the remote queue manager.

## **CSQX503E: *csect-name* Negotiation failed for channel *channel-name***

### **Explanation**

Channel *channel-name* could not be established due to a negotiation failure between the local queue manager and the remote end.

### **Severity**

8

### **System action**

The channel is not started.

### **System programmer response**

Examine the console log for the remote end for messages explaining the cause of the negotiation failure.

## **CSQX504E: *csect-name* Local protocol error, channel *channel-name*, type=*type* data=*xxx***

### **Explanation**

During communications with the remote end, the local message channel agent for channel *channel-name* detected a protocol error. *type* shows the type of error that occurred:

0000000A

Incorrect segment type

00000012

Incorrect message length

00000013

Incorrect segment number

The incorrect value is shown by *xxx*.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Examine the console log to determine the cause of the failure. This may occur after the channel initiator or queue manager is stopped forcibly or ends abnormally. If it occurs in other cases, contact your IBM support center to report the problem.

## **CSQX505E: *csect-name* Sequence wrap values differ, channel *channel-name*, local=*local-seqno* remote=*remote-seqno***

### **Explanation**

The sequence number wrap value for channel *channel-name* is *local-seqno*, but the value specified at the remote end is *remote-seqno*. The two values must be the same before the channel can be started.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Change either the local or remote channel definition so that the values specified for the message sequence number wrap value are the same.

## **CSQX506E: *csect-name* Message receipt confirmation not received for channel *channel-name***

### **Explanation**

The remote end did not accept the last batch of messages.

### **Severity**

8

### **System action**

Channel *channel-name* stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Determine why the remote end did not accept the last batch of messages. Resolve the problem and restart the channel.

## **CSQX507E: *csect-name* Channel channel-name is in-doubt, connection conn-id (queue manager qmgr-name)**

### **Explanation**

Channel *channel-name* is in-doubt with the remote end using connection *conn-id*. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The requested operation does not complete.

### **System programmer response**

Examine the status of the channel, and either restart a channel to resolve the in-doubt state, or use the RESOLVE CHANNEL command to correct the problem manually.

## **CSQX513E: *csect-name* Channel channel-name exceeded current channel limit**

### **Explanation**

There are too many channels current to be able to start another. The maximum number allowed is specified in the MAXCHL queue manager attribute. Current channels include stopped and retrying channels as well as active channels.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Wait for some of the operating channels to terminate before restarting the channel, or use the ALTER QMGR command to increase MAXCHL. A change that increases MAXCHL will not be effective until the channel initiator has been stopped and restarted.

## **CSQX514E: *csect-name* Channel channel-name is active on *qmgr-name***

### **Explanation**

An operation was requested on a channel that is active. If the channel is shared, it may be active on another queue manager. If the channel is a receiver, a previous



instance of it may have been orphaned and therefore still be active.

### **Severity**

8

### **System action**

The request fails.

### **System programmer response**

For operations other than starting the channel, either stop the channel manually, or wait for it to terminate, and retry the operation. It may be necessary to use MODE(FORCE) to stop the channel manually if the Adopt MCA function is not being used. Using the Adopt MCA function will avoid the need for manual intervention to handle orphaned receiver channels.

## **CSQX515I: *csect-name* Channel channel-name changed**

### **Explanation**

The channel for which information has been requested is a new instance of the channel. The previous channel instance has ended.

### **Severity**

0

### **System action**

The information shown is for the new channel instance.

## **CSQX516E: *csect-name* Error accessing synchronization data, RC=*return-code***

### **Explanation**

There was an error when accessing the channel synchronization data.

If the return code is of the form 10009*nnn* or 20009*nnn*, it is a distributed queuing message code. This is generally associated with message CSQX*nnn*E, which will normally be issued previously.

Otherwise the most likely cause is a shortage of storage.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

In some cases, the channel initiator will stop as well.

### **System programmer response**

If the return code is a distributed queuing message code, see the corresponding message explanation for more information. Where no such message is described, see Chapter 9, "Distributed queuing message codes," on page 1313 for the corresponding message number.

Restart the channel or the channel initiator. If the problem persists, contact your IBM support center.

## **CSQX517E: *csect-name* Error in *q-name* – channel channel-name repeated**

### **Explanation**

There was more than one set of synchronization information in *q-name* for an instance of channel *channel-name*. This is probably because the channel is a receiver channel, and there are two sender channels with the same name on different queue managers within the same network address that have communicated with it.

### **Severity**

8

### **System action**

The first set of synchronization information for the channel instance is used, and any others are ignored. Errors may occur if the channel is used.

### **System programmer response**

Avoid using the channel. Remove the extra sets of information from the channel synchronization queue, and rename channels so that they have unique names.

If this does not resolve the problem, contact your IBM support center.

## **CSQX519E: *csect-name* Channel channel-name not defined**

### **Explanation**

The channel initiator could not find a definition of channel *channel-name*.

### **Severity**

8

### **System action**

The requested operation fails.

### **System programmer response**

Check that the name is specified correctly and the channel definition is available.

## **CSQX520E: *csect-name* Remote channel *channel-name* not defined**

### **Explanation**

There is no definition of channel *channel-name* at the remote end.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Add an appropriate channel definition at the remote end, and retry the operation.

## **CSQX523E: *csect-name* Remote protocol error, channel *channel-name*, type=*type* data=*xxx***

### **Explanation**

During communications with the remote end, the remote message channel agent for channel *channel-name* detected a protocol error. *type* shows the type of error that occurred:

0000000A

Incorrect segment type

0000000B

Incorrect length

0000000C

Invalid data

0000000D

Invalid segment

0000000E

Invalid ID

0000000F

Invalid MSH

00000010

General error

00000011

Batch failure

00000012

Incorrect message length

00000013

Incorrect segment number

The data associated with the error (for example, the incorrect value) is shown by *xxx*.

### Severity

8

### System action

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### System programmer response

Examine the console log for the remote end to determine the cause of the failure. This may occur after the channel initiator or queue manager is stopped forcibly or ends abnormally. If it occurs in other cases, contact your IBM support center.

## **CSQX524E: *csect-name* Remote queue manager unavailable for channel *channel-name***

### Explanation

Channel *channel-name* cannot start because the remote queue manager is not currently available.

### Severity

8

### System action

The channel does not start

### System programmer response

Either start the remote queue manager, or retry the operation later.

## **CSQX525E: *csect-name* Channel *channel-name* closing because remote queue manager *qmgr-name* is stopping**

### Explanation

Channel *channel-name* is closing because the remote queue manager *qmgr-name* is stopping. In some cases, the remote queue manager name cannot be determined and so is shown as '????'.

### Severity

8

### System action

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

## System programmer response

Investigate why the remote queue manager is stopping, if it was not expected.

### **CSQX526E: *csect-name* Message sequence error for channel *channel-name*, sent=*msg-seqno* expected=*exp-seqno***

#### **Explanation**

The local queue manager does not agree with the remote end on the next message sequence number for channel *channel-name*. The message is normally issued at both the sending and receiving end: at the sending end, *msg-seqno* and *exp-seqno* are unpredictable; at the receiving end, a message had sequence number *msg-seqno* but sequence number *exp-seqno* was expected.

#### **Severity**

8

#### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

#### **System programmer response**

Determine the cause of the inconsistency. It could be that the synchronization information has become damaged, or has been backed out to a previous version. If the problem cannot be resolved, the sequence number can be reset manually at the sending end of the channel using the RESET CHANNEL command. (For some queue managers, it may be necessary to issue the RESET CHANNEL command at the receiving end as well.)

### **CSQX527E: *csect-name* Unable to send message for channel *channel-name***

#### **Explanation**

The remote end cannot receive the message that is being sent for channel *channel-name*.

#### **Severity**

8

#### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

#### **System programmer response**

Examine the console log for the remote end to determine why the message cannot be received, and then restart the channel.

## **CSQX528I: *csect-name* Channel *channel-name* stopping**

### **Explanation**

The channel is closing because a STOP CHANNEL command was issued, or because the channel initiator is stopping.

### **Severity**

0

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Note that a STOP CHANNEL command puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

## **CSQX531E: *csect-name* Queue *q-name* for channel *channel-name* is in use or wrong type**

### **Explanation**

The queue *q-name* named as a transmission queue in the channel definition for *channel-name* is either in use (by this channel or another channel), or it is not a transmission queue.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Do the following, as appropriate:

- Check if the channel is already running
- Check if another channel is using the queue; use the DISPLAY QSTATUS command
- Ensure the queue name is specified correctly in the channel definition
- Alter the queue usage attribute of the queue to that of a transmission queue.

## **CSQX533I: *csect-name* Channel channel-name is already in requested state**

### **Explanation**

A request to stop channel *channel-name* was made, but the channel was already in the specified state, or in the process of reaching that state.

### **Severity**

0

### **System action**

The request is ignored.

## **CSQX534E: *csect-name* Channel channel-name is stopped**

### **Explanation**

The operation requested cannot be performed because the channel is currently stopped.

### **Severity**

4

### **System action**

The request is ignored.

### **System programmer response**

Issue a START CHANNEL command to restart the channel.

## **CSQX535E: *csect-name* Channel channel-name stopping because exit exit-name is not valid**

### **Explanation**

The user exit *exit-name* specified for channel *channel-name* is not valid.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

## System programmer response

Ensure that the user exit name is specified correctly in the channel definition, and that the user exit program is correct and available. The channel initiator loads exits from the library data sets under the CSQXLIB DD statement of its started task JCL procedure xxxxCHIN.

## CSQX536I: *csect-name* Channel *channel-name* stopping because of request by exit *exit-name*

### Explanation

The channel is closing because the user channel exit *exit-name* requested it.

### Severity

0

### System action

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

### System programmer response

Note that this puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

## CSQX539E: *csect-name* Channel *channel-name* for queue *q-name* is not available

### Explanation

A trigger message was received to start a channel *channel-name* to process the transmission queue *q-name*. However, the channel initiator could not find a defined and available channel to start.

### Severity

8

### System action

The channel does not start.

### System programmer response

Ensure that there is a channel defined to process the transmission queue, and that it is not stopped.



## **CSQX540E: *csect-name* Unable to commit batch, channel *channel-name*, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

An MQCMIT call for the queue associated with channel *channel-name* was unsuccessful.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*.

## **CSQX541E: *csect-name* Invalid CCSIDs for data conversion, *ccsid1* and *ccsid2***

### **Explanation**

Either the local coded character set identifier (CCSID) or the target CCSID is not valid, or is not currently supported, or conversion between the two CCSIDs involved is not supported. (The name of the channel cannot be determined because the invalid CCSID prevents the necessary data conversion being done.)

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Ensure that the CCSIDs are valid and that conversion between them is supported. Refer to the WebSphere MQ Application Programming Reference manual for information about the CCSIDs that are supported.

## **CSQX544E: *csect-name* Messages for channel *channel-name* sent to remote dead-letter queue**

### **Explanation**

During the processing of channel *channel-name*, one or more messages have been put the dead-letter queue at the remote queue manager.

## Severity

4

## System action

Processing continues.

## System programmer response

Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

## **CSQX545I: *csect-name* Channel channel-name closing because disconnect interval expired**

### Explanation

The channel is closing because no messages arrived on the transmission queue within the disconnect interval.

### Severity

0

### System action

The channel ends normally.

## **CSQX547E: *csect-name* Remote channel channel-name has the wrong type**

### Explanation

The operation requested cannot be performed because channel *channel-name* on the remote end is not of a suitable type. For example, if the local channel is defined as a sender the remote queue manager must define its corresponding channel as either a receiver or requester.

### Severity

8

### System action

The requested operation is not performed.

### System programmer response

Check that the channel name is specified correctly. If it is, check that:

- The channel definition on the remote end has an appropriate channel type
- The connection name of the local channel identifies the remote end correctly
- For cluster channels, the connection names do not specify a generic address

- For TCP/IP connections, the port number specified by the local channel matches that used by the listener at the remote queue manager.

## **CSQX548E: *csect-name* Messages sent to local dead-letter queue, channel *channel-name*, reason=*reason***

### **Explanation**

During the processing of channel *channel-name*, one or more messages have been put the dead-letter queue at the local queue manager. *reason* shows why, and is one of the following:

- an MQRC\_\* reason code from an MQPUT or MQPUT1 call
- an MQFB\_\* feedback code.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

For information about MQRC\_\* reason codes see API completion and reason codes. For information about MQFB\_\* feedback codes see the MQMD description in the *WebSphere MQ Application Programming Reference*.

## **CSQX549E: *csect-name* Queue *q-name* for channel *channel-name* is get-inhibited**

### **Explanation**

An MQGET failed because the transmission queue had been previously inhibited for gets.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may have triggering turned off.

### **System programmer response**

Change the definition of the transmission queue so that it is not inhibited for MQGET calls.

## **CSQX551E: *csect-name* Action not supported, channel channel-name, connection conn-id (queue manager qmgr-name)**

### **Explanation**

The operation requested for channel *channel-name* is not supported by the remote end using the connection *conn-id*. The associated remote queue manager is *qmgr-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Check that the connection name parameter is specified correctly and that the levels of the queue managers in use are compatible.

## **CSQX552E: *csect-name* Security exit data for channel channel-name not received**

### **Explanation**

The local security user channel exit for channel *channel-name* requested data from the remote security user channel exit, but no data was received.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Ensure that the security exit for the channel on the remote end has been defined correctly and is available. If it is, check that the exit program operates correctly.

## **CSQX558E: *csect-name* Remote channel channel-name not available**

### **Explanation**

The channel *channel-name* at the remote end is currently stopped or is otherwise unavailable. For example, there may be too many channels current to be able to start it.

## Severity

8

## System action

The channel does not start.

## System programmer response

This may be a temporary situation, and the channel will retry. If not, check the status of the channel at the remote end. If it is stopped, issue a START CHANNEL command to restart it. If there are too many channels current, either wait for some of the operating channels to terminate, or stop some channels manually, before restarting the channel.

## **CSQX565E: *csect-name* No dead-letter queue for qmgr-name, channel channel-name**

### Explanation

A message could not be delivered normally and there is no dead-letter queue defined for queue manager *qmgr-name*.

## Severity

8

## System action

The channel stops, except in the case where nonpersistent messages are being sent and the NPMCLASS attribute of the channel is set to FAST, when processing continues. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

## System programmer response

Correct the problem that prevented the message from being delivered normally, or define a dead-letter queue for the remote queue manager.

## **CSQX567E: *csect-name* Listener unable to register to APPC/MVS, TRPTYPE=LU62 INDISP=*disposition* dispositionRC=*return-code* reason=*reason***

### Explanation

While starting, the specified LU 6.2 listener could not register as an APPC/MVS server. The return code from APPC/MVS allocate services was *return-code* and the associated reason code was *reason* (both in hexadecimal).

## Severity

8

### System action

The listener is not started.

### System programmer response

See Chapter 7, “Communications protocol return codes,” on page 1299 for the cause of the return code from APPC/MVS allocate services, and the *Writing Servers for APPC/MVS* manual for more information. Check that the LUNAME queue manager attribute is the same as the PARTNER\_LU value for the APPC/MVS symbolic destination used by the listener.

## **CSQX568E: *csect-name* Listener unable to unregister from APPC/MVS, TRPTYPE=LU62 INDISP=*disposition* dispositionRC=*return-code* reason=*reason***

### Explanation

While stopping, the specified LU 6.2 listener could not unregister as an APPC/MVS server. The return code from APPC/MVS allocate services was *return-code* and the associated reason code was *reason* (both in hexadecimal).

### Severity

8

### System action

The listener stops. It may not be possible to restart it.

### System programmer response

See Chapter 7, “Communications protocol return codes,” on page 1299 for the cause of the return code from APPC/MVS allocate services and the *Writing Servers for APPC/MVS* manual for more information.

## **CSQX569E: *csect-name* Channel channel-name exceeded TCP/IP channel limit**

### Explanation

The number of current TCP/IP channels is the maximum allowed; another channel cannot be started. Current channels include stopped and retrying channels as well as active channels. The maximum allowed is specified in the TCPCHL queue manager attribute, but may be reduced if a dispatcher fails, or if TCP/IP resources are restricted (as reported by message CSQX118I).

### Severity

8

### System action

The channel does not start.

## System programmer response

If the maximum allowed is zero, TCP/IP communications are not allowed, and no TCP/IP channels can be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the channel, or use the ALTER QMGR command to increase TCPCHL.

## CSQX570E: *csect-name* Channel channel-name exceeded LU 6.2 channel limit

### Explanation

The number of current LU 6.2 channels is the maximum allowed; another channel cannot be started. Current channels include stopped and retrying channels as well as active channels. The maximum allowed is specified in the LU62CHL queue manager attribute, but may be reduced if a dispatcher fails.

### Severity

8

### System action

The channel does not start.

### System programmer response

If the maximum allowed is zero, LU 6.2 communications are not allowed, and no LU 6.2 channels can be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the channel, or use the ALTER QMGR command to increase LU62CHL.

## CSQX572E: *csect-name* Channel channel-name stopping because message header is not valid

### Explanation

During the processing of channel *channel-name*, a message was found that had an invalid header. The dead-letter queue was defined as a transmission queue, so a loop would have been created if the message had been put there.

### Severity

8

### System action

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### System programmer response

Correct the problem that caused the invalid message header.

## **CSQX573E: *csect-name* Channel channel-name exceeded active channel limit**

### **Explanation**

There are too many channels active (transmitting messages) to be able to start another. The maximum number allowed is specified in the ACTCHL queue manager attribute.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Either wait for some of the operating channels to terminate, or stop some channels manually, before restarting the channel, or use the ALTER QMGR command to increase ACTCHL. A change that increases ACTCHL will not be effective until the channel initiator has been stopped and restarted.

## **CSQX574I: *csect-name* Channel channel-name can now start**

### **Explanation**

The specified channel was waiting to start, because there were too many channels active (transmitting messages) to be able to start another. One or more of the active channels has terminated, so this channel can now start.

**Note:** This message is not itself issued, although the corresponding event is generated.

### **Severity**

0

## **CSQX575E: *csect-name* Negotiation failed for channel**

### **Explanation**

A channel between the local queue manager and the remote end could not be established due to a negotiation failure. The failure was such that the channel name could not be determined: for example, data conversion between the coded character set identifiers (CCSIDs) used by the local and remote ends may not have been possible.

### **Severity**

8



### **System action**

The channel is not started.

### **System programmer response**

Examine the console log for the remote end for messages explaining the cause of the negotiation failure.

## **CSQX578E: *csect-name* Unable to save status for channel *channel-name***

### **Explanation**

An internal error has occurred.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task JCL procedure, xxxxCHIN.

### **System programmer response**

Collect the items listed in the Problem Determination section and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- Queue manager job log
- Channel initiator job log
- The CSQSNAP data set

## **CSQX599E: *csect-name* Channel *channel-name* ended abnormally**

### **Explanation**

Channel *channel-name* ended abnormally because of a severe problem, as reported in the preceding messages.

### **Severity**

8

### **System action**

The channel stops. The associated transmission queue may be set to GET(DISABLED) and triggering turned off.

### **System programmer response**

Investigate the problem reported in the preceding messages.

## **CSQX608E: *csect-name* Remote resources in recovery for channel *channel-name***

### **Explanation**

Channel *channel-name* cannot start because resources at the remote queue manager are being recovered.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Restart the channel at a later time. If the problem persists examine the console log for the remote end for messages explaining the cause of the problem.

## **CSQX609E: *csect-name* Resources in recovery, channel *channel-name*, MQCC=*mqcc* MQRC=*mqrc***

### **Explanation**

The message channel agent for the channel could not connect to the queue manager because resources are being recovered.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Refer to API completion and reason codes for information about *mqcc* and *mqrc*, which come from an MQCONN request.

## **CSQX613I: *csect-name* Channel *channel-name* instance is already in requested state**

### **Explanation**

A request to stop a particular instance of channel *channel-name* was made (by specifying a connection name or a remote queue manager name), but the channel instance was already in the specified state, or in the process of reaching that state.

This error will also apply if an attempt is made to stop a SVRCONN channel using the QMNAME parameter. In this case do not use the QMNAME parameter. In order to stop a specific SVRCONN instance use the CONNAME parameter

### **Severity**

0

### **System action**

The request is ignored.

## **CSQX617I: *csect-name* SSL key repository refresh not processed, SSL communications unavailable**

### **Explanation**

The cached SSL key repository cannot be refreshed in response to a REFRESH SECURITY TYPE(SSL) command because SSL communications are currently unavailable.

### **Severity**

0

### **System action**

0

### **System programmer response**

Investigate why SSL is not available and take action as appropriate. It may be necessary to restart the channel initiator to allow SSL to be used.

## **CSQX618I: *csect-name* SSL key repository refresh started**

### **Explanation**

The cached SSL key repository is being refreshed in response to a REFRESH SECURITY TYPE(SSL) command.

### **Severity**

0

### System action

Message CSQX619I will be issued when the refresh is complete.

## **CSQX619I: *csect-name* SSL key repository refresh processed**

### Explanation

The refresh of the cached SSL key repository is complete.

### Severity

0

### System action

Channels will be restarted as required.

## **CSQX620E: *csect-name* System SSL error, channel *channel-name*, function 'func' RC=*return-code***

### Explanation

An unexpected SSL communications error occurred for a channel. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. *func* is the name of the System SSL function that gave the error, and *return-code* is the return code (in decimal).

### Severity

8

### System action

The channel is stopped.

### System programmer response

See Chapter 8, "Secure Sockets Layer (SSL) return codes," on page 1311 for the cause of the return code from System SSL and the *System Secure Sockets Layer Programming Guide and Reference* manual for more information.

## **CSQX625E: *csect-name* System SSL error, function 'func' RC=*return-code***

### Explanation

An unexpected SSL communications error occurred for an SSL server subtask. *func* is the name of the System SSL function that gave the error, and *return-code* is the return code (in decimal).

### Severity

8

### **System action**

The SSL server subtask terminates.

### **System programmer response**

See Chapter 8, "Secure Sockets Layer (SSL) return codes," on page 1311 for the cause of the return code from System SSL and the *System Secure Sockets Layer Programming Guide and Reference* manual for more information.

## **CSQX630E: *csect-name* Channel channel-name requires SSL**

### **Explanation**

Channel *channel-name* cannot start because it requires SSL, but SSL communications are not currently available.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

If SSL is required, investigate why it is not available and take action as appropriate; it may be necessary to restart the channel initiator to allow SSL to be used. If SSL is not required, change the channel definition so that SSL is not used.

## **CSQX631E: *csect-name* Cipher specifications differ, channel channel-name, local=local-ciph remote=remote-ciph**

### **Explanation**

The SSL cipher specification value for channel *channel-name* is *local-ciph*, but the value specified at the remote end is *remote-ciph*. The two values must be the same before the channel can be started. They are shown in the message as two-character codes; common values are as shown in message CSQX635E.

### **Severity**

8

### **System action**

The channel does not start.

### **System programmer response**

Change either the local or remote channel definition so that the values specified for the SSL cipher specification are the same.

## **CSQX632I: *csect-name* SSL certificate has no associated user ID, remote channel channel-name – channel initiator user ID used**

### **Explanation**

The certificate sent from the remote end during SSL handshaking was accepted, but no user ID could be found associated with it. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

Likely causes are that neither the certificate nor a matching certificate name are defined to the external security manager (ESM), or that the certificate contains fields that are not understood by the ESM.

### **Severity**

0

### **System action**

The user ID of the channel initiator address space is used as the channel user ID for the channel.

### **System programmer response**

If certificate name filtering is being used, you can create a filter that will match this certificate. Alternatively, change the SSLPEER channel attribute to prevent this certificate being accepted from the remote channel.

## **CSQX633E: *csect-name* SSL certificate for remote channel channel-name failed local check**

### **Explanation**

The certificate sent from the remote end during SSL handshaking could not be validated. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Ensure that the SSL certificate connected to the key repository at the remote end is valid, and that the signing certificate(s) have been connected to the key ring on the local queue manager so that the certificate sent can be authenticated.

For full details about SSL certificates and key repositories see WebSphere MQ Security.

## **CSQX634E: *csect-name* SSL certificate failed remote check, channel *channel-name*, connection *conn-id***

### **Explanation**

The certificates sent to the remote end using the connection *conn-id* during SSL handshaking could not be validated. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Ensure that the SSL certificate 'ibmWebSphereMQ*qmgr-name*' connected to in the key ring at the local queue manager *qmgr-name* is valid, and that the signing certificate has been connected to the key repository on the remote end so that the certificate sent can be authenticated.

For full details about SSL certificates and key repositories see WebSphere MQ Security.

## **CSQX635E: *csect-name* Invalid cipher specification *ciph* for channel *channel-name***

### **Explanation**

The SSL cipher specification value for channel *channel-name* is not valid. The value is shown in the message as a two-character code; common values are:

01	NULL_MD5
02	NULL_SHA
03	RC4_MD5_EXPORT
04	RC4_MD5_US
05	RC4_SHA_US
06	RC2_MD5_EXPORT
09	DES_SHA_EXPORT
0A	TRIPLE_DES_SHA_US
2F	TLS_RSA_WITH_AES_128_CBC_SHA
35	TLS_RSA_WITH_AES_256_CBC_SHA

In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Correct the SSL cipher specification for the channel.

## **CSQX636E: *csect-name* Distinguished name does not match peer name, channel *channel-name*, name='dist-name'**

### **Explanation**

The distinguished name, *dist-name*, specified in the SSL certificate at the remote end does not match the SSL peer name for channel *channel-name*. The distinguished name at the remote end must match the peer name specified (which can be generic) before the channel can be started. In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

If you wish to allow this remote end to connect, change the SSL peer name specification for the channel so that it matches the distinguished name in the SSL certificate at the remote end, or obtain the correct certificate for the remote end, as appropriate.

## **CSQX637E: *csect-name* No SSL certificate for remote channel *channel-name***

### **Explanation**

The remote channel did not supply a certificate to use during SSL handshaking, but a certificate is required. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.



## System programmer response

Ensure that the SSL certificate is connected to the key repository of the remote end; alternatively, if appropriate, change the local channel definition so that its SSLCAUTH attribute is set to OPTIONAL.

For full details about SSL certificates and key repositories see WebSphere MQ Security.

## CSQX638E: *csect-name* SSL communications error for channel *channel-name*

### Explanation

An unexpected SSL communications error occurred for a channel, as reported in the preceding messages. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### Severity

8

### System action

The channel will not start.

### System programmer response

Investigate the problem reported in the preceding messages. Review the local and remote console logs for reports of network errors.

## CSQX639E: *csect-name* No cipher specification for remote channel *channel-name*

### Explanation

No SSL cipher specification was supplied by the remote channel *channel-name*, but one was required. In some cases the channel name cannot be determined and so is shown as '????'.

### Severity

8

### System action

The channel will not start.

### System programmer response

Change the remote channel definition so that the value specified for the SSL cipher specification is the same as that of the local channel.

## **CSQX640E: *csect-name* Invalid peer name, channel channel-name, attribute=key-name**

### **Explanation**

The SSL peer name for channel *channel-name* includes a distinguished name attribute key *key-name* which is invalid or unsupported. In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Correct the SSL peer name for the channel.

## **CSQX641E: *csect-name* Cipher specification error for remote channel channel-name**

### **Explanation**

An error occurred with the SSL cipher specification for remote channel *channel-name*. In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Review the remote console log to determine the cipher specification error.

## **CSQX642E: *csect-name* No SSL certificate for channel channel-name**

### **Explanation**

The channel *channel-name*. did not supply a certificate to use during SSL handshaking, but a certificate is required by the remote end. In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Ensure that the key ring of the local queue manager *qmgr-name* has an SSL certificate connected to it called 'ibmWebSphereMQ*qmgr-name*'; alternatively, if appropriate, change the remote channel definition so that its SSLCAUTH attribute is set to OPTIONAL.

For full details about SSL certificates and key repositories see WebSphere MQ Security.

## **CSQX643E: *csect-name* Peer name error for remote channel *channel-name***

### **Explanation**

An error occurred with the SSL peer name for remote channel *channel-name*. In some cases the channel name cannot be determined and so is shown as '????'.

### **Severity**

8

### **System action**

The channel will not start.

### **System programmer response**

Review the remote console log to determine the peer name error.

## **CSQX644E: *csect-name* Unable to determine peer name for remote channel *channel-name***

### **Explanation**

The peer name associated with the certificate sent from the remote end during SSL handshaking could not be determined. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

If the local channel has a peer name specified it does not start.

### **System programmer response**

Ensure that the SSL certificate 'ibmWebSphereMQ*qmgr-name*' in the key ring at the local queue manager *qmgr-name* is valid, and that the signing certificate has been

connected to the key repository on the remote end so that the certificate sent can be authenticated. Check that the local and remote channel definitions are correct.

For full details about SSL certificates and key repositories see WebSphere MQ Security.

## **CSQX645E: *csect-name* SSL certificate missing for channel *channel-name***

### **Explanation**

An SSL certificate '*ibmWebSphereMQqmgr-name*' or the default certificate cannot be found in the key ring or the certificate is not trusted. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

The channel will not start.

### **System programmer response**

Ensure that there is an SSL certificate '*ibmWebSphereMQqmgr-name*' or a default certificate in the key ring and that it is valid.

## **CSQX646E: *csect-name* Error accessing LDAP server for channel *channel-name***

### **Explanation**

While checking CRLs for a channel, an error occurred in setting up the LDAP environment or retrieving an LDAP directory entry. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

The channel will not start.

### **System programmer response**

Ensure that the LDAP server is specified and set up correctly, and is running.

## **CSQX658E: *csect-name* SSL certificate has expired, channel channel-name, connection conn-id**

### **Explanation**

The current time is either before the SSL certificate start time or or after the end time. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'. The connection is *conn-id*.

### **Severity**

4

### **System action**

The channel will not start.

### **System programmer response**

Obtain a new certificate if the certifiacte has expired, or wait until the certificate becomes valid if it is not valid yet.

## **CSQX663E: *csect-name* SSL certificate signature is incorrect, channel channel-name, connection conn-id**

### **Explanation**

In the SSL certificate sent from the remote end using the connection *conn-id*, the certificate signature is not correct. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

The channel will not start.

### **System programmer response**

Ensure that the SSL certificate connected to the key repository at the remote end is valid.

## **CSQX665E: *csect-name* Channel channel-name stopping because remote SSL socket closed**

### **Explanation**

The remote end of a channel using SSL communications closed the socket or sent a close notification alert. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

**Severity**

4

**System action**

The channel stops.

**System programmer response**

Examine the console log for the remote end to determine the cause of the failure.

**CSQX666E: *csect-name* LDAP server unavailable for channel *channel-name*****Explanation**

While checking CRLs for a channel, the required LDAP server was not available. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

**Severity**

4

**System action**

The channel does not start.

**System programmer response**

Ensure that the LDAP server is running.

**CSQX675E: *csect-name* Unable to complete SSL key repository refresh****Explanation**

The refresh of the cached SSL key repository could not be completed because of errors.

**Severity**

4

**System action**

The refresh is incomplete.

**System programmer response**

Examine the console log for messages that may indicate why the refresh could not be started.

## **CSQX676E: *csect-name* SSL key repository refresh completed, but some channels not restarted**

### **Explanation**

The refresh of the cached SSL key repository has completed, so the latest values and certificates are in use for all SSL channels. However, not all the outbound SSL channels which were running when the refresh was initiated could be restarted after the refresh had completed.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Examine the console log for messages identifying the channels that did not restart.

## **CSQX677E: *csect-name* SSL key repository refresh terminated, waiting for channel *channel-name***

### **Explanation**

The cached SSL key repository is being refreshed, which involves stopping all the channels that use SSL communications. One or more of the channels is taking too long to stop. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

The refresh is terminated. Some channels using SSL will have been stopped.

### **System programmer response**

Stop any SSL channels that have not already stopped and issue the REFRESH SECURITY TYPE(SSL) command again.

## **CSQX678E: *csect-name* Channel *channel-name* not started, refreshing SSL key repository**

### **Explanation**

A channel using SSL communications could not be started because the cached SSL key repository is currently being refreshed. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

**Severity**

4

**System action**

The channel does not start.

**System programmer response**

Wait until the refresh has completed and start the channel again.

**CSQX679E: *csect-name* Channel channel-name not started, refreshing remote SSL key repository****Explanation**

A channel using SSL communications could not be started because the cached SSL key repository is currently being refreshed at the remote end. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

**Severity**

4

**System action**

The channel does not start.

**System programmer response**

Wait until the refresh has completed and start the channel again.

**CSQX683E: *csect-name* SSL key repository has no certificates****Explanation**

The SSL key repository (that is, the key ring in the external security manager) does not contain any valid certificates.

**Severity**

4

**System action**

Channels using SSL communications will not start.

**System programmer response**

Add the user certificate and any necessary certification authority (CA) certificates to the key repository. Ensure that existing certificates are valid, have not expired, and are marked as trusted.



## **CSQX684E: *csect-name* SSL key repository has no CA certificates**

### **Explanation**

The SSL key repository (that is, the key ring in the external security manager) does not contain any valid certification authority (CA) certificates. A channel using SSL communications needs at least one CA or self-signed certificate in order to perform client authentication.

### **Severity**

4

### **System action**

Channels using SSL communications will not start.

### **System programmer response**

Add the user certificate and any necessary certification authority (CA) certificates to the key repository. Ensure that existing certificates are valid, have not expired, and are marked as trusted.

## **CSQX685E: *csect-name* No self-signed certificate for channel *channel-name***

### **Explanation**

A self-signed certificate cannot be validated as it is not in the SSL key repository. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### **Severity**

4

### **System action**

The channel is not started.

### **System programmer response**

Add the self-signed certificate to the key repository.

## **CSQX686E: *csect-name* SSL private key error for channel *channel-name***

### **Explanation**

The SSL certificate '*ibmWebSphereMQmgr-name*' has no associated private key, or the private key is not available because it key is stored in ICSF and ICSF services are not available. The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### Severity

4

### System action

The channel is not started.

### System programmer response

Ensure that the private key associated with the SSL certificate 'ibmWebSphereMQmgr-name' is available. Ensure that the ICSF started task is running if the private key is stored in ICSF.

## **CSQX687E: *csect-name* SSL certificate revoked by CA for channel channel-name**

### Explanation

The SSL certificate has been revoked by the certification authority (CA). The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### Severity

4

### System action

The channel is not started.

### System programmer response

Obtain a new certificate and add it to the key repository.

## **CSQX688E: *csect-name* No SSL CA certificate for channel channel-name**

### Explanation

The SSL key repository does not contain a certificate for the certification authority (CA). The channel is *channel-name*; in some cases its name cannot be determined and so is shown as '????'.

### Severity

4

### System action

The channel is not started.

### **System programmer response**

Obtain a certificate for the certification authority (CA) and add it to the key repository.

## **CSQX689E: *csect-name* CRL cannot be processed for channelchannel-name**

### **Explanation**

A Certificate Revocation List (CRL) is not valid and cannot be processed.

### **Severity**

4

### **System action**

The channel is not started.

### **System programmer response**

Contact the certification authority and obtain a replacement CRL.

## **CSQX830I: *csect-name* Channel initiator active**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command if the channel initiator is active.

### **Severity**

0

## **CSQX831I: *csect-name nn* adapter subtasks started, *nn* requested**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command, and shows how many adapter subtasks are currently active, and how many were requested by the CHIADAPS queue manager attribute. If the numbers differ, some adapter subtasks have failed and not been restarted, which could reduce processing capacity.

### **Severity**

0

## **CSQX832I: *csect-name nn* dispatchers started, *nn* requested**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command, and shows how many dispatchers are currently active, and how many were requested by the CHIDISPS queue manager attribute. If the numbers differ, some dispatchers have failed and not been restarted. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately, and other processing capacity may be reduced.

### **Severity**

0

## **CSQX833I: *csect-name nn* SSL server subtasks started, *nn* requested**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command, and shows how many SSL server subtasks are currently active, and how many were requested by the SSLTASKS queue manager attribute. If the numbers differ, some SSL server subtasks have failed and not been restarted, which could reduce processing capacity.

### **Severity**

0

## **CSQX836I: *csect-name nn* Maximum channels – TCP/IP *nn*, LU 6.2 *nn***

### **Explanation**

This is issued in response to the DISPLAY CHINIT command. It shows the maximum numbers of each type of channel that are allowed.

### **Severity**

0

## **CSQX840I: *csect-name nn* channels current, maximum *nn***

### **Explanation**

This is issued in response to the DISPLAY CHINIT command. It shows how many channels are current, and how many are allowed altogether, as requested by the MAXCHL queue manager attribute.

### **Severity**

0

## **CSQX841I: *csect-name nn* channels active, maximum *nn*, including *nn* paused**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command. Of the channels that are current, it shows how many are active (transmitting messages), and how many are allowed altogether to be active, by the ACTCHL queue manager attribute. It also shows how many of the active channels are paused, waiting to retry putting a message.

### **Severity**

0

## **CSQX842I: *csect-name nn* channels starting, *nn* stopped, *nn* retrying**

### **Explanation**

This is issued in response to the DISPLAY CHINIT command. Of the channels that are current, it show how many are:

- waiting to become active, because the limit for active channels has been reached
- stopped, requiring manual intervention
- attempting to reconnect following a temporary error.

### **Severity**

0

## **CSQX843I: *csect-name* TCP/IP listener INDISP=*disposition**disposition*retrying, for port *port* address *ip-address***

### **Explanation**

This is issued in response to the DISPLAY CHINIT command for each TCP/IP listener that is trying to restart after an error. The channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR queue manager attribute.

*port* and *ip-address* show the port and IP address combination on which it listens; if *ip-address* is '\*', it listens on all available IP addresses. *disposition* shows which type of incoming requests the listener handles:

#### **QMGR**

those directed to the target queue manager

#### **GROUP**

those directed to the queue-sharing group.

### **Severity**

0

**CSQX844I: *csect-name* LU 6.2 listener  
INDISP=*disposition**disposition*retrying, for LU name name**

**Explanation**

This is issued in response to the DISPLAY CHINIT command for each LU 6.2 listener that is trying to restart after an error. The channel initiator will attempt to restart the listener at the intervals specified by the LSTRTMR queue manager attribute.

*disposition* shows which type of incoming requests the listener handles:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**CSQX845I: *csect-name* TCP/IP system name is name**

**Explanation**

This is issued in response to the DISPLAY CHINIT command, and shows the TCP/IP system name that is being used, as specified in the TCPNAME queue manager attribute.

**Severity**

0

**CSQX846I: *csect-name* TCP/IP listener  
INDISP=*disposition**disposition*started, for port port address  
*ip-address***

**Explanation**

This is issued in response to the DISPLAY CHINIT command for each TCP/IP listener that is active.

*port* and *ip-address* show the port and IP address combination on which it listens; if *ip-address* is '\*', it listens on all available IP addresses. *disposition* shows which type of incoming requests the listener handles:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**CSQX847I: *csect-name* LU 6.2 listener  
INDISP=*disposition* *disposition* started, for LU name *name***

**Explanation**

This is issued in response to the DISPLAY CHINIT command for each LU 6.2 listener that is active.

*disposition* shows which type of incoming requests the listener handles:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**CSQX848I: *csect-name* TCP/IP listener  
INDISP=*disposition* *disposition* not started**

**Explanation**

This is issued in response to the DISPLAY CHINIT command for each TCP/IP listener that is not active.

*disposition* shows which type of incoming requests the listener handles:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**System programmer response**

If the listener had been started, and was not deliberately stopped, this may be because there was an error in the communications system. The channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR queue manager attribute.

**CSQX849I: *csect-name* LU 6.2 listener  
INDISP=*disposition* *disposition* not started**

**Explanation**

This is issued in response to the DISPLAY CHINIT command for each LU 6.2 listener that is not active.

*disposition* shows which type of incoming requests the listener handles:

**QMGR**

those directed to the target queue manager

**GROUP**

those directed to the queue-sharing group.

**Severity**

0

**System programmer response**

If the listener had been started, and was not deliberately stopped, this may be because there was an error in the communications system. The channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR queue manager attribute.

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**Initialization procedure and general services messages (CSQY...)****CSQY000I: IBM WebSphere MQ for z/OSversion****Explanation**

This message is issued when the queue manager starts, and shows the release level.

**CSQY001I: QUEUE MANAGER STARTING, USING  
PARAMETER MODULE *parm-name*****Explanation**

The START QMGR command is accepted. System parameter values will be taken from the module *parm-name*. This message is issued to the z/OS console at which the START command was issued. Message CSQY022I is sent when the queue manager startup process has completed.

**System action**

Queue manager startup processing begins.

**CSQY002I: QUEUE MANAGER STOPPING****Explanation**

The STOP QMGR command is accepted. Message CSQ9022I is issued when the queue manager shutdown process has completed. The message is issued either to the originator of the STOP QMGR command, or to the z/OS console from which the START QMGR command was received.

**System action**

Queue manager shutdown is initiated.



## **CSQY003I: QUEUE MANAGER IS ALREADY ACTIVE**

### **Explanation**

The START QMGR command has not been accepted, because the queue manager is active. Message CSQ9023E is issued after this message.

## **CSQY004I: QUEUE MANAGER IS ALREADY STOPPING**

### **Explanation**

The STOP QMGR command has not been accepted either because the queue manager shutdown is in progress for the specified option (QUIESCE or FORCE), or because the QUIESCE option was specified after a FORCE option had been accepted previously. Message CSQ9023E is issued after this message.

### **System action**

Queue manager shutdown continues.

## **CSQY005E: QUEUE MANAGER STARTUP TERMINATED, INVALID START COMMAND**

### **Explanation**

The queue manager can be started only by a START QMGR command.

### **System action**

Queue manager startup is terminated.

### **Operator response**

Start the queue manager using the START QMGR command, and reenter the rejected command.

## **CSQY006E: *csect-name* INVALID AMODE OR RMODE ATTRIBUTE FOUND FOR LOAD MODULE *module-name***

### **Explanation**

The queue manager initialization procedures found that a module had an invalid AMODE or RMODE attribute when it was loaded. *module-name* is the name of the load module with an invalid addressing or residency mode.

### **System action**

Queue manager startup terminates abnormally.

### **Operator response**

Notify the system programmer of the problem.

### **System programmer response**

Verify that all installation and maintenance activities against WebSphere MQ have been done correctly. If you are unable to correct the problem, contact your IBM support center.

## **CSQY007E: csect-name QUEUE MANAGER STARTUP TERMINATED, INVALID OPERATING SYSTEM LEVEL**

### **Explanation**

The queue manager initialization procedures found that the level of the operating system did not have the function required for correct queue manager operation.

### **System action**

Queue manager startup terminates abnormally.

### **Operator response**

Notify the system programmer of the problem.

### **System programmer response**

Verify that the prerequisite, or later, level of the operating system is installed. If you are unable to correct the problem, contact your IBM support center.

## **CSQY008I: QUEUE MANAGER SHUTDOWN REQUEST NOT ACCEPTED**

### **Explanation**

The STOP QMGR command has not been accepted because startup has not completed to the point where shutdown can occur. Message CSQ9023E is issued after this message.

### **System action**

Queue manager startup continues, and the STOP QMGR command is ignored.

### **Operator response**

Reissue the STOP QMGR command after startup has completed.

## **CSQY009I: verb-name pkw-name COMMAND ACCEPTED FROM USER(userid), STOP MODE(mode)**

### **Explanation**

This message is issued to record who issued the command to stop WebSphere MQ, and what type of stop it was. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

## **CSQY010E: *csect-name* LOAD MODULE module name IS NOT AT THE CORRECT RELEASE LEVEL**

### **Explanation**

The named load module is not at the correct level for the version of the queue manager that was being used.

### **System action**

If detected by the queue manager, startup terminates abnormally with reason code X'00E80161'. If detected by the channel initiator (*module-name* is CSQXJST), it does not start.

### **Operator response**

Notify the system programmer.

### **System programmer response**

Verify that the correct WebSphere MQ program libraries are being used (for the queue manager or channel initiator as appropriate) and that all installation and maintenance activities against WebSphere MQ have been done correctly. If the early processing program is incorrect (*module-name* is CSQ3EPX), refresh it by issuing the REFRESH QMGR TYPE(EARLY) command.

If you are unable to correct the problem, contact your IBM support center.

## **CSQY011E: *csect-name* COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN CPF**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) contains invalid characters.

### **System action**

The queue manager does not start.

### **System programmer response**

Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQY012E: *csect-name* COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN QUEUE MANAGER NAME**

### **Explanation**

Command prefix registration failed because the queue manager name used as the owner of the command prefix (CPF) contains invalid characters.

### **System action**

The queue manager does not start.

### **System programmer response**

Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQY013E: *csect-name* COMMAND PREFIX REGISTRATION FAILED. CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) was already defined to z/OS.

### **System action**

The queue manager does not start.

### **System programmer response**

Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQY014E: *csect-name* COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUBSET OF A CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) is a subset of a CPF already defined to z/OS.

### **System action**

The queue manager does not start.

### **System programmer response**

Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQY015E: *csect-name* COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUPERSET OF A CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) is a superset of a CPF already defined to z/OS.

### **System action**

The queue manager does not start.

### **System programmer response**

Reissue the z/OS command SETSSI ADD with the correct CPF parameter. Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQY016E: *csect-name* SYSTEM ERROR DURING COMMAND PREFIX REGISTRATION**

### **Explanation**

A z/OS error occurred during command prefix (CPF) registration.

### **System action**

The queue manager does not start.

### **System programmer response**

Check the z/OS console for other messages relating to the problem.

## **CSQY017E: *csect-name* INCORRECT STORAGE PROTECT KEY**

### **Explanation**

The queue manager initialization procedures found that the storage protect key was not 7. The most likely causes are that the program properties table (PPT) entry for CSQYASCP has not been specified correctly, or that the WebSphere MQ program libraries or other libraries in the WebSphere MQ STEPLIB are not APF authorized.

### **System action**

Queue manager startup terminates abnormally with reason code X'00E80162'.

### **Operator response**

Notify the system programmer.

### **System programmer response**

See the WebSphere MQ for z/OS System Setup Guide for information about specifying the PPT entry for CSQYASCP and about APF authorization for the WebSphere MQ program libraries.

## **CSQY018E: *csect-name* INCORRECT APF AUTHORIZATION**

### **Explanation**

The queue manager initialization procedures found that they were not APF authorized. The most likely cause is that the WebSphere MQ program libraries are not APF authorized.

### **System action**

Queue manager startup terminates abnormally with reason code X'00E80163'.

### **Operator response**

Notify the system programmer.

### **System programmer response**

See the WebSphere MQ for z/OS System Setup Guide for information about APF authorization for the WebSphere MQ program libraries.

## **CSQU019E: *csect-name* QUEUE MANAGER STARTUP TERMINATED, INVALID PARAMETER MODULE LEVEL, REBUILD *macro-name***

### **Explanation**

The queue manager initialization procedures found that the level of the parameter module (named in the preceding CSQY001I message) is not at the correct level for this version of the queue manager.

### **System action**

Queue manager startup terminates abnormally with reason code 00E80051.

### **Operator response**

Notify the system programmer.

### **System programmer response**

Rebuild the parameter module ensuring that *macro-name* is recompiled with the same level of code that the queue manager is running with.

See the *z/OS System Setup Guide* for information about the macros used to build the parameter module.

## **CSQY022I: QUEUE MANAGER INITIALIZATION COMPLETE**

### **Explanation**

This message is issued when the initialization of the queue manager completes normally, and it is ready for use.

## **CSQY100I: *csect-name* SYSTEM parameters ...**

### **Explanation**

The queue manager is being started with the system parameter values shown in the following messages.

### **System action**

Queue manager startup processing continues.

## **CSQY101I, CSQY102I, CSQY103I, CSQY104I, CSQY105I, CSQY106I, CSQY107I, CSQY108I, CSQY109I: *csect-name* parms**

### **Explanation**

This series of messages shows the system parameter values that the queue manager is using. (Some values are followed by their internal hexadecimal representation in parentheses.) See the CSQ6SYSP macro in the WebSphere MQ for z/OS System Setup Guide for information about the system parameters.

### **System action**

Queue manager startup processing continues.

## **CSQY110I: *csect-name* LOG parameters ...**

### **Explanation**

The queue manager is being started with the log parameter values shown in the following messages.

### **System action**

Queue manager startup processing continues.

## **CSQY111I, CSQY112I, CSQY113I: *csect-name* parms**

### **Explanation**

This series of messages shows the log parameter values that the queue manager is using. See the CSQ6LOGP macro in the WebSphere MQ for z/OS System Setup Guide for information about the log parameters.

### **System action**

Queue manager startup processing continues.

## **CSQY120I: *csect-name* ARCHIVE parameters ...**

### **Explanation**

The queue manager is being started with the archive parameter values shown in the following messages.

### **System action**

Queue manager startup processing continues.

## **CSQY121I, CSQY122I, CSQY123I, CSQY124I: *csect-name* parms**

### **Explanation**

This series of messages shows the archive parameter values that the queue manager is using. See the CSQ6ARVP macro in the WebSphere MQ for z/OS System Setup Guide for information about the archive parameters.

### **System action**

Queue manager startup processing continues.

## **CSQY200E: *csect-name* ARM request-type for element *arm-element type arm-element-type* failed, rc=rc reason=reason**

### **Explanation**

An ARM request (IXCARM REQUEST=*request-type*) for the specified element failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

### **System action**

None.

### **System programmer response**

See the *z/OS MVS Programming Sysplex Services Reference* manual for information about the return and reason codes from the IXCARM call. If you are unable to solve the problem, contact your IBM support center.

## **CSQY201I: *csect-name* ARM REGISTER for element *arm-element type arm-element-type* successful**

### **Explanation**

The specified element was successfully registered with ARM.

### **System action**

None.



## **CSQY202E: *csect-name* ARM registration failed**

### **Explanation**

An attempt to register with ARM failed.

### **System action**

Processing continues, but automatic restart is not available.

### **System programmer response**

See the preceding CSQY200E message for more information about the failure.

## **CSQY203E: *csect-name* ARM request-type for element *arm-element* type *arm-element-type* timed out, rc=rc reason=reason**

### **Explanation**

An ARM request (IXCARM REQUEST=*request-type*) was issued but some predecessor element specified in the ARM policy did not issue an ARM READY request within its specified time interval.

### **System action**

Processing continues.

### **System programmer response**

None required. However, if your program cannot run without the predecessor element, some installation-defined action might be necessary.

## **CSQY204I: *csect-name* ARM DEREGISTER for element *arm-element* type *arm-element-type* successful**

### **Explanation**

The specified element was successfully deregistered from ARM.

### **System action**

None.

## **CSQY205I: *csect-name* ARM element *arm-element* is not registered**

### **Explanation**

A STOP QMGR command requested ARM restart, but the queue manager was not registered for ARM.

### **System action**

The queue manager stops normally, but will not be automatically restarted.

### **System programmer response**

Restart the queue manager manually.

## **CSQY210E: *csect-name call-name* call for name name-token failed, rc=rc**

### **Explanation**

During processing for a group connect, a name token services call failed. *rc* is the return code (in hexadecimal) from the call.

### **System action**

If the failure occurs in the batch adapter (*csect-name* CSQBICON or CSQBDSC), the application call will fail with a reason code of MQRC\_UNEXPECTED\_ERROR. Otherwise (*csect-name* CSQYGRA1), processing continues, but the group connect facility will not be available.

### **System programmer response**

See the *MVS Authorized Assembler Services Reference* manual for information about the return codes from the name token services call. If you are unable to solve the problem, take a stand-alone system dump and contact your IBM support center.

## **CSQY211I: *csect-name* Unable to add entry to group connect name table (at table-addr)**

### **Explanation**

During initialization for the group connect facility, a new entry could not be added to the name table for this queue manager. The most likely cause is that there is already the maximum of 32 queue managers active in the group.

### **System action**

Processing continues, but this queue manager will not be available for group connection.

### **System programmer response**

Reduce the number of active queue managers and restart this queue manager. If this does not solve the problem, contact your IBM support center.

## **CSQY220I: Queue manager is using *mm* MB of local storage, *nn* MB are free**

### **Explanation**

Displays the amount of virtual storage currently used and available in the extended private region. Both values are displayed in megabytes (1048576 bytes), and are approximations.

### **System action**

Processing continues. Any special actions taken by MQ or that are required will be indicated by the CSQY221I and CSQY222E messages.

### **System programmer response**

No action is required at this time. However, a frequent occurrence of this message may be an indication that the system is operating beyond the optimum region for the current configuration.

## **CSQY221I: Queue manager is short of local storage**

### **Explanation**

The queue manager is running short of virtual storage in the extended private region.

### **System action**

Processing continues. Storage contraction processing is performed, which attempts to remove unused storage from internal subpools so that it can be reused in other subpools. This might be necessary after a temporary need for lots of storage; for example, more than the usual number of messages held on an indexed queue, or an unusually large unit of work being performed.

### **System programmer response**

No action is required at this time. However, a frequent occurrence of this message may be an indication that the system is operating beyond the optimum region for the current configuration.

## **CSQY222E: Queue manager is critically short of local storage – take action**

### **Explanation**

The queue manager is running critically short of virtual storage in the extended private region. Action should be taken to relieve the situation, and to avoid the possible abnormal termination of the queue manager.

### **System action**

Processing continues. Storage contraction processing has been performed, but the remaining unallocated virtual storage is less than a predetermined safe amount. If

storage use continues to increase, the queue manager may terminate abnormally in an unpredictable way.

### **System programmer response**

Virtual storage is over-allocated for the current configuration. The following actions can reduce the virtual storage requirement:

- Reduce buffer pool sizes with the ALTER BUFFPOOL command. Buffer pool statistics may be used to determine buffer pools which are over-allocated.
- Reduce the number of messages held on private queues which are indexed.
- Remove units of work which hold large numbers of locks. These are units of work which have put or got lots of messages, or large messages.
- Reduce the number of concurrent connections to the queue manager. The DISPLAY CONN command can be used to determine connections which are consuming queue manager resources.

If the problem persists after taking actions described above, it may be an indication of an internal error whereby storage is not freed (a 'storage leak'). If you suspect this, then collect at least two system dumps of the queue manager, separated by an interval of time, and contact your IBM support center.

## **CSQY223I: Queue manager is no longer short of local storage**

### **Explanation**

The queue manager is no longer short of virtual storage in the extended private region.

### **System action**

Processing continues. Storage contraction processing has been performed, and the remaining unallocated virtual storage is more than a predetermined safe amount.

## **CSQY270E: *csect-name* UNRECOGNIZED MESSAGE NUMBER *message-id***

### **Explanation**

An unsuccessful attempt has been made to issue the message *message-id*. This message is issued only if the requested message could not be found in the MQ message directory.

### **Severity**

8

### **System action**

Processing continues as though the requested message had been issued.

### **Operator response**

Notify the system programmer.

## System programmer response

Use the message number (*message-id*) and look up the message in this book. If you are using a language other than US English, ensure that you have installed the language feature correctly and that you have the appropriate load library data set concatenations in your job. Apart from that possibility, this is an MQ system problem; see the WebSphere MQ for z/OS Problem Determination Guide.

**Note:** Messages are also used to provide text for constructing panels and reports. If such a message cannot be found, message CSQY270E will appear on the panel or report, generally in truncated form.

## CSQY271I: MESSAGE GENERATOR INITIALIZATION PARAMETERS NOT FOUND. DEFAULTS ASSUMED

### Explanation

The message generator was unable to access the routing code initialization parameter defined by the CSQ6SYSP macro. Default values defined by that macro are assumed.

### Severity

4

### System action

Queue manager initialization continues.

### Operator response

Notify the system programmer.

### System programmer response

It might be necessary to change the CSQ6SYSP macro. See the WebSphere MQ for z/OS System Setup Guide for information about this macro.

## CSQY290E: *csect-name* NO STORAGE AVAILABLE

### Explanation

There was insufficient storage available for a system routine. *csect-name* shows the system routine function:

**CSQAXDPS, CSQVXDPS**

User exits (other than channel)

**CSQXARMY**

Channel initiator automatic restart

**CSQXDCTS, CSQXTRPG**

Channel initiator trace

**CSQXDMP5**

Channel initiator system dump

CSQXLDXS

User channel exits

CSQ2GFRR, CSQ2MFRR

IMS bridge system dump

### Severity

4

### System action

Processing continues, but the function provided by the system routine will be inhibited. For example, if the routine is CSQXLDXS, then user channel exits will not be available, and channels that use them will not start.

### System programmer response

If the problem occurs in the queue manager, increase the size of the its address space, or reduce the number of queues, messages, and threads being used.

If the problem occurs in the channel initiator, increase the size of the its address space, or reduce the number of dispatchers, adapter subtasks, SSL server subtasks, and active channels being used.

## **CSQY291E: *csect-name* SDUMPX FAILED, RC=0000ssrr, dump-identifier**

### Explanation

The system dump routine was unable to issue a dump; the dump identifier was as shown in the message. *rr* is the return code and *ss* is the reason code (both in hexadecimal) from the z/OS SDUMPX service.

### Severity

4

### System action

Processing continues.

### System programmer response

See the *MVS Authorized Assembler Services Reference* manual for information about the return code and reason code from the SDUMPX request.

## **CSQY330I: Queue manager has restricted functionality**

### Explanation

The installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

Queue manager startup processing continues.

## **CSQY331E: parm value not allowed – restricted functionality**

### **Explanation**

The value specified for the *parm* system parameter is not allowed because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The queue manager does not start.

## **CSQY332I: IMS Bridge not available – restricted functionality**

### **Explanation**

The MQ-IMS bridge cannot operate because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The MQ-IMS bridge does not start.

## **CSQY333E: Command not allowed – restricted functionality**

### **Explanation**

The command that was issued is not allowed because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The command is ignored.

## **CSQY334E: *csect-name* keyword(value) not allowed – restricted functionality**

### **Explanation**

The value specified for the keyword is not allowed because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The command is ignored.

## **CSQY335E: *csect-name* Channel channel-name unusable – restricted functionality**

### **Explanation**

The channel cannot be used because the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

### **System action**

The requested operation fails.

## **CSQY340E: Queue manager has restricted functionality, but previously had full functionality. Unsupported objects will be deleted (losing messages), invalid attributes will be changed**

### **Explanation**

The installation and customization options chosen for WebSphere MQ do not allow all functions to be used. However, the queue manager has run previously without any functional restriction, and so may have objects and attribute settings that are not allowed with the restricted functionality.

In order to continue, these objects must be deleted (which may mean messages are lost) and the attributes must be changed. The queue manager will do this automatically.

### **System action**

Message CSQY341D is issued and the operator's reply is awaited.

### **System programmer response**

The operator has two options:

- Allow the queue manager to delete the objects and change the attributes, by replying 'Y'.
- Cancel the queue manager, by replying 'N'.

## **CSQY341D: Reply Y to continue or N to cancel**

### **Explanation**

The installation and customization options chosen for WebSphere MQ have changed, as indicated in the preceding CSQY340E message.

### **System action**

The queue manager waits for the operator's reply

### **System programmer response**

See message CSQY340E.



## **CSQY342I: Deleting objects and changing attributes – restricted functionality**

### **Explanation**

This message is sent if the operator answers 'Y' to message CSQY341D.

### **System action**

The queue manager deletes the objects and changes the attributes that are not allowed with the restricted functionality.

## **CSQY343I: Queue manager terminating – restricted functionality not accepted**

### **Explanation**

This message is sent if the operator answers 'N' to message CSQY341D.

### **System action**

The queue manager does not start.

---

## **Service facilities messages (CSQ1...)**

The value shown for severity in the service facility messages that follow is the value returned as the job-step condition code from the job-step during which the message is issued. If additional messages having higher severity values are issued during the same job-step, the higher value is reflected as the job-step condition code.

## **CSQ1000I: *csect-name* IBM WebSphere MQ for z/OS version**

### **Explanation**

This message is issued as the first part of the header to the report issued by the log print utility program.

### **Severity**

0

## **CSQ1100I: *csect-name* LOG PRINT UTILITY – date time**

### **Explanation**

This message is issued as the second part of the header to the report issued by the log print utility program.

### **Severity**

0

## **CSQ1101I: *csect-name* UTILITY PROCESSING COMPLETED, RETURN CODE=*rc***

### **Explanation**

The log print utility completed with the return code *rc* indicated. 0 indicates successful completion.

### **Severity**

0

## **CSQ1102I: SEARCH CRITERIA**

### **Explanation**

The search criteria specified for printing the log follow.

### **Severity**

0

## **CSQ1105I: LOG PRINT UTILITY SUMMARY – date time**

### **Explanation**

This is issued as a header to the summary data set written by the log print utility.

### **Severity**

0

## **CSQ1106I: END OF SUMMARY**

### **Explanation**

This marks the end of the summary data set written by the log print utility.

### **Severity**

0

## **CSQ1110E: LIMIT OF 50 STATEMENTS EXCEEDED**

### **Explanation**

The limit of 50 input statements allowed by CSQ1LOGP has been exceeded.

### **Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job using no more than 50 statements.

**CSQ1111E: LIMIT OF 80 TOKENS EXCEEDED****Explanation**

The limit of 80 keywords and corresponding value specifications allowed by CSQ1LOGP has been exceeded. A keyword with its value is considered as two tokens.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job using no more than 80 tokens.

**CSQ1112E: TOKEN xxx... EXCEEDS 48 CHARACTERS****Explanation**

An input statement contains the character string beginning *xxx*. This string is not valid because it exceeds 48 characters in length.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job with a valid token.

**CSQ1113E: INVALID SYNTAX FOR KEYWORD *kwd*****Explanation**

An input statement contains the keyword *kwd*. The value specified for this keyword is not valid, because it is not of the form *kwd(value)*.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job with the correct form of the keyword.

**CSQ1127E: KEYWORD *kwd* UNKNOWN****Explanation**

CSQ1LOGP does not recognize the keyword *kwd*.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Check to make sure all keywords are valid and resubmit the job.

**CSQ1128E: END OF LOG RANGE SPECIFIED WITHOUT START****Explanation**

You cannot specify the end of a search range (RBAEND or LRSNEND) without specifying a beginning of the search range (RBASTART or LRSNSTART respectively).

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job providing an RBASTART or LRSNSTART value to correspond to the RBAEND or LRSNEND value given to specify a valid search range.

## **CSQ1129E: LIMIT OF 10 *kwd* KEYWORDS EXCEEDED**

### **Explanation**

The *kwd* keyword appears too many times in the control statements. The limit is 10.

### **Severity**

8

### **System action**

Processing is terminated.

### **System programmer response**

Resubmit the job providing no more than 10 of these keywords.

## **CSQ1130E: INVALID VALUE FOR KEYWORD *kwd* NUMBER *n***

### **Explanation**

The value for the *n*th occurrence of keyword *kwd* is invalid because it has invalid characters, it is not one of a list of permitted values, or it is too long.

### **Severity**

8

### **System action**

Processing is terminated.

### **System programmer response**

Resubmit the job providing a correct value specification.

## **CSQ1131E: INVALID VALUE FOR KEYWORD *kwd***

### **Explanation**

The value for the keyword *kwd* is invalid because it has invalid characters, it is not one of a list of permitted values, or it is too long.

### **Severity**

8

### **System action**

Processing is terminated.

**System programmer response**

Resubmit the job providing a correct value specification.

**CSQ1132E: NO VALUE FOR KEYWORD *kwd* NUMBER *n*****Explanation**

The *n*th occurrence of keyword *kwd* is not followed by a value.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job providing a correct value specification.

**CSQ1133E: NO VALUE FOR KEYWORD *kwd*****Explanation**

The keyword *kwd* is not followed by a value.

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job providing a correct value specification.

**CSQ1135E: KEYWORD *kwd* SPECIFIED MORE THAN ONCE****Explanation**

The keyword *kwd* can only be specified once.

**Severity**

8

**System action**

Processing is terminated.

### **System programmer response**

Resubmit the job providing only one of these keywords.

## **CSQ1137I: FIRST PAGE SET CONTROL RECORD AFTER RESTART = *r-rba***

### **Explanation**

*r-rba* is the log RBA of a record that serves as an implicit indication that a restart occurred just prior to this point.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1138E: *kwd1* AND *kwd2* CANNOT BOTH BE SPECIFIED**

### **Explanation**

*kwd1* and *kwd2* cannot both appear in the control statements.

### **System action**

Processing is terminated.

### **System programmer response**

Correct the control statements and rerun the job.

## **CSQ1139E: SYSSUMRY DD STATEMENT MISSING**

### **Explanation**

You requested the SUMMARY option, but did not include the SYSSUMRY DD statement in your JCL.

### **Severity**

8

### **System action**

Processing terminates.

### **System programmer response**

Resubmit the job with a SYSSUMRY DD statement included in the JCL.

## **CSQ1145E: CURRENT RESTART TIME STAMP OUT OF SEQUENCE – TIME=date time LOG RBA=t-*rba***

### **Explanation**

This message indicates that the current log record has a time stamp that is less than the greatest time stamp processed so far. This might be a potential problem.

This message is followed by messages CSQ1147I and CSQ1148I which give the latest time stamp seen.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Examine the current log to determine whether multiple queue managers are writing to the same log. (Data might be being overwritten.) This might lead to data inconsistencies.

## **CSQ1146E: CURRENT END CHECKPOINT TIME STAMP OUT OF SEQUENCE – TIME=date time LOG RBA=t-*rba***

### **Explanation**

This message indicates that the current log record has a time stamp that is less than the previous time stamp processed. This might be a potential problem.

This message is followed by messages CSQ1147I and CSQ1148I which give the latest time stamp seen.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

Examine the current log to determine whether multiple queue managers are writing to the same log. (Data might be being overwritten.) This might lead to data inconsistencies.



## **CSQ1147I: LATEST TIME STAMP SEEN SO FAR – TIME=date time LOG RBA=t-rba**

### **Explanation**

This message follows message CSQ1145I or CSQ1146I and gives the latest time stamp seen.

### **Severity**

4

## **CSQ1148I: MULTIPLE QUEUE MANAGERS MAY BE WRITING TO THE SAME LOG**

### **Explanation**

This message follows message CSQ1145I or CSQ1146I to indicate a possible cause of the time stamp problem.

### **Severity**

4

## **CSQ1150I: SUMMARY OF COMPLETED EVENTS**

### **Explanation**

This message heads the summary of completed units of recovery (URs) and checkpoints.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1151I: UR CONNID=cc THREAD-XREF=bb USERID=aa TIME=date time START=s-rba END=e-rba DISP=xx INFO=ii**

### **Explanation**

This message describes a unit of recovery that terminated.

*cc* Connection id (for example, BATCH)

*bb* Thread cross-reference id (for example, JOB xxx)

*aa* User id executing the UR

*date time*  
Starting time of the UR

*s-rba* Log RBA of the first log record associated with the UR (that is, the URID)

- e-rba* Log RBA of the last log record associated with the UR. If the UR is not complete, *e-rba* is shown as '\*\*\*'
- xx* Disposition of the UR, values include:
- INFLIGHT
  - IN BACKOUT
  - IN COMMIT
  - INDOUBT
  - COMMITTED
  - BACKED OUT
- ii* Status of the data, one of the following:
- COMPLETE, indicating that all page sets modified by this UR have been identified
  - PARTIAL, indicating that the list of page sets modified by this UR is incomplete (this is shown if all records associated with a UR are not available, and no checkpoint is found prior to the UR's completion)

If the UR identifying information is not available, it will be shown as '\*\*\*'.

### Severity

0

### System action

Processing continues.

## **CSQ1153I: CHECKPOINT START=*s-rba* END=*e-rba* TIME=*date time***

### Explanation

This message describes a complete checkpoint on the log starting at RBA *s-rba* and ending at RBA *e-rba*. If the information is available, CSQ1LOGP also returns the date and time that the checkpoint was completed.

When this message follows message CSQ1157I, it identifies the checkpoint that would be used at restart. If no checkpoint is available, message CSQ1158I is printed instead.

### Severity

0

### System action

Processing continues.

## **CSQ1154I: RESTART AT *r-rba* TIME=date time**

### **Explanation**

A normal restart occurred at log RBA *r-rba*. CSQ1LOGP also returns the date and time of that restart.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1155I: CONDITIONAL RESTART AT *r-rba* TIME=date time**

### **Explanation**

A conditional restart occurred at log RBA *r-rba*. CSQ1LOGP also returns the date and time of that restart.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1156I: ALL URS COMPLETE**

### **Explanation**

There are no URs outstanding for restart.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1157I: RESTART SUMMARY**

### **Explanation**

This message heads the summary of the description of work to be performed at restart. Restart information that follows is based on the scope of the log scanned. If you suspect an error in MQ, see the WebSphere MQ for z/OS Problem Determination Guide for information about identifying and reporting the problem.

**Severity**

0

**System action**

Processing continues.

**CSQ1158I: NO CHECKPOINT AVAILABLE – RESTART SUMMARY INCOMPLETE****Explanation**

No checkpoint is available within the scope of the log scanned. The information following this message includes:

- URs that have not completed
- Page sets modified by these URs
- Page sets with writes pending

The information cannot be considered complete.

**Severity**

0

**System action**

Processing continues.

**CSQ1161E: INVALID URE FOUND AT *x-rba*****Explanation**

While processing the SUMMARY option, an invalid URE checkpoint record was encountered in the log.

**Severity**

4

**System action**

Processing continues.

**System programmer response**

If the checkpoint record identified in the message is used to restart the queue manager, the restart will be unsuccessful because it will not be able to process the unit of recovery presented by the invalid URE.

Look for other messages that indicate the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## **CSQ1162E: INVALID RURE FOUND AT *x-rba***

### **Explanation**

While processing the SUMMARY option, an invalid RURE checkpoint record was encountered in the log.

### **Severity**

4

### **System action**

Processing continues.

### **System programmer response**

If the checkpoint record identified in the message is used to restart the queue manager, the restart will be unsuccessful because it will not be able to process the unit of recovery presented by the invalid RURE.

Look for other messages that indicate the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## **CSQ1163E: NO CHECKPOINT AVAILABLE DUE TO LOG ERROR – RESTART SUMMARY INCOMPLETE**

### **Explanation**

A log error was encountered. CSQ1LOGP marked any checkpoints encountered before the log error as invalid. There were no complete checkpoints following the log error in the specified log range. The information following this message includes:

- URs that have not completed
- Page set modified by these URs
- Page sets with writes pending

This information cannot be considered complete.

### **Severity**

4

### **System action**

Processing continues.

## **CSQ1165E: UR REQUIRES LOG WHICH IS IN ERROR**

### **Explanation**

While processing a UR, information was required from the log, but the log was in error, as indicated by previous messages.

**Severity**

0

**System action**

Processing continues.

**CSQ1166I: INFORMATION INCOMPLETE FOR UR – LOG TRUNCATED AT *xx*****Explanation**

Complete information for the UR is not available within the scope of the log scanned.

**Severity**

0

**System action**

Processing continues.

**CSQ1209E: END OF LOG RANGE IS LESS THAN START****Explanation**

The end log range value (specified by RBAEND or LRSNEND) is less than or equal to the start range value (specified by RBASTART or LRSNSTART respectively).

**Severity**

8

**System action**

Processing is terminated.

**System programmer response**

Resubmit the job providing an RBASTART or LRSNSTART value and a corresponding RBAEND or LRSNEND value to specify a valid search range.

**CSQ1210E: LOG READ ERROR RETCODE=*rc* REASON CODE=*reason*****Explanation**

An error was detected while attempting to read the log.

## Severity

8

## System action

Processing is terminated.

## Problem determination

Refer to “Log services return codes” on page 654 for information about the return code included in the message, and Chapter 2, “Codes,” on page 711 for information about the reason code.

# CSQ1211E: BAD LOG RBA RETURNED

## Explanation

One of the three problems listed below exists:

- The recovery log data set is damaged
- You identified a data set that is not a recovery log data set
- There is a problem with the log print utility

## Severity

8

## System action

Processing terminates, and a dump is produced.

## System programmer response

A common error is to specify the first data set on an archive tape (the Bxxxxxxx data set) as a log data set; it is actually a bootstrap data set (BSDS).

Determine if the problem is your error by dumping the data set and determining if it is a log data set.

# CSQ1212I: FIRST LOG RBA ENCOUNTERED = *s-rba*

## Explanation

This identifies the RBA of the first log record read.

## Severity

0

## System action

Processing continues.

## **CSQ1213I: LAST LOG RBA ENCOUNTERED = *e-rba***

### **Explanation**

This identifies the RBA of the last log record read.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1214I: *nn* LOG RECORDS READ**

### **Explanation**

This identifies the number (in decimal) of logical log records read during CSQ1LOGP processing.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1215I: NO LOG RECORDS READ**

### **Explanation**

CSQ1LOGP read no log records.

Possible explanations are:

- An error has prevented CSQ1LOGP from continuing, therefore no log records have yet been processed (if this is so, an error message should precede this message)
- You specified the active log data sets or archive log data sets out of RBA sequence
- You specified an RBASTART or LRSNSTART value that is greater than any RBA or LRSN in the active and archive data sets available
- You specified a log range using LRSNs, but the queue manager is not in a queue-sharing group.

### **Severity**

0

### **System action**

Processing continues.



## **CSQ1216E: LOG READ ERROR, RETCODE=*rc*, REASON CODE=*reason*, RBA=*x-rba***

### **Explanation**

An error was encountered while attempting to read the log, indicating that either the log has an error in one of the control intervals (CI), or a data set containing the requested RBA cannot be located. The RBA specification in the message indicates where the error was detected and gives the requested RBA. It will point to:

- The start of the CI if there is a problem with the log control interval definition (LCID), or with any of the general control information within a CI
- The log record in the CI if there is a problem with a log record header (LRH)

If this is the first log record read during this execution of the Log Extractor, and if there is a problem with the LCID, the RBA specification will be all zeros.

Before returning any records, the utility checks the control information (LCID) at the end of a CI, and analyzes the LRH to ensure that all records are properly chained together within the CI. If an error is detected while performing this process, CSQ1LOGP will issue this message, before dumping the entire CI. It will not format individual records within the CI, but will, if possible, continue processing by reading the next CI.

### **Severity**

4

### **System action**

Processing continues.

### **Problem determination**

The reason code identifies the nature of the error. The return code included in the message is explained in "Log services return codes" on page 654, and the reason code is explained in Chapter 2, "Codes," on page 711.

## **CSQ1217E: RBA RANGE WARNING, RETCODE=*rc*, REASON CODE=*reason*, PRIOR RBA=*p-rba*, CURRENT RBA=*c-rba***

### **Explanation**

A gap in the log RBA range has been encountered. PRIOR RBA *p-rba* indicates the last good log RBA prior to the gap. CURRENT RBA *c-rba* indicates the log record following the gap, and will be formatted following this message.

### **Severity**

4

### **System action**

Processing continues.

## Problem determination

The reason code identifies the nature of the error. The return code included in the message is explained in "Log services return codes" on page 654, and the reason code is explained in Chapter 2, "Codes," on page 711.

## CSQ1218I: *nn* LOG ERROR MESSAGES

### Explanation

CSQ1LOGP distinguishes three classes of errors:

- Code problems existing in the MQ or system code used for CSQ1LOGP. In such cases, abnormal termination with a user completion code of U0153 will occur.
- Incorrect invocation of CSQ1LOGP caused, perhaps, by your having used an incorrect keyword or missed a DD statement. Under these circumstances, CSQ1LOGP will issue appropriate error messages, and the program will be terminated.
- An error in a given log CI under the scrutiny of CSQ1LOGP. Such scrutiny is performed before any of the records within the CI are processed. This is an indication of logical damage, and error messages are issued by the utility. The CI or log record in error is printed, and CSQ1LOGP continues to the next CI or log record.

The count *nn* provided summarizes the number (in decimal) of errors CSQ1LOGP detected while accessing the log.

### Severity

0

### System action

Processing continues.

## CSQ1220E: ARCHIVE LOG TRUNCATED AT *xxxx* – INVALID LOG RECORDS READ

### Explanation

At a restart of the queue manager, an archive log was truncated. This archive log data set could not be physically altered to reflect this truncation, and invalid log records therefore still exist. CSQ1LOGP has already reported this information in the summary report, and cannot retract it. Nor can it disregard the invalid log information already read in order adequately to summarize what has occurred. Therefore, all information up to this point in the log will be summarized, and a new summary report initiated. Consequently, the same UR might be reported twice with different dispositions and different page sets modified.

### Severity

4

### System action

Processing continues.

## System programmer response

To avoid this condition, use the BSDS DD statement instead of the ARCHIVE DD statement.

### **CSQ1221E: VSAM ERROR, RETCODE=rc, REASON CODE=reason, VSAM RETURN CODE=aaaa, ERROR CODE=bbbb**

#### **Explanation**

A VSAM error was encountered while attempting to read the log.

#### **Severity**

8

#### **System action**

Processing continues.

#### **Problem determination**

The return code included in the message is explained in "Log services return codes" on page 654, and the reason code in Chapter 2, "Codes," on page 711. The VSAM return code (*aaaa*), and error code (*bbbb*), identify the nature of the VSAM error. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for an explanation of these codes.

### **CSQ1222E: LOG ALLOCATION ERROR, RETCODE=rc, REASON CODE=reason, DYNALLOC INFO CODE=aaaa, ERROR CODE=bbbb**

#### **Explanation**

An error occurred while dynamically allocating a log data set.

#### **Severity**

8

#### **System action**

Processing terminates.

#### **Problem determination**

The return code indicated in the message is explained in "Log services return codes" on page 654, and the reason code is explained in Chapter 2, "Codes," on page 711. Information code *aaaa* and error code *bbbb* were returned by the dynamic allocation SVC and identify the nature of the error. See the *MVS Authorized Assembler Services Guide* manual for an explanation of these codes.

## **CSQ1223E: JFCB READ ERROR, RETCODE=*rc*, REASON CODE=*reason*, RDJFCB RETURN CODE=*aaaa***

### **Explanation**

An error occurred while trying to read the job file control block.

### **Severity**

8

### **System action**

Processing continues.

### **Problem determination**

The return code included in the message is explained in "Log services return codes" on page 654, and the reason code is explained in Chapter 2, "Codes," on page 711. The RDJFCB return code (*aaaa*), identifies the nature of the error. See the *MVS/ESA DFP System Programming Reference* manual for an explanation of these codes.

## **CSQ1271I: START OF LOG RANGE SET TO LRSN=*s-lrsn***

### **Explanation**

The LRSN value you specified for the start of the log range is less than the lowest possible LRSN value, which is *s-lrsn*.

### **Severity**

0

### **System action**

Processing continues, using an LRSNSTART value of *s-lrsn*.

## **CSQ1272I: FIRST LOG LRSN ENCOUNTERED = *s-lrsn***

### **Explanation**

This identifies the LRSN of the first log record read.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1273I: LAST LOG LRSN ENCOUNTERED = e-lrsn**

### **Explanation**

This identifies the LRSN of the last log record read.

### **Severity**

0

### **System action**

Processing continues.

## **CSQ1275I: LRSN RANGE CAN BE USED ONLY WITH A QUEUE-SHARING GROUP**

### **Explanation**

You specified a log range using LRSNs, but CSQ1LOGP read no log records. This could be because the queue manager is not in a queue-sharing group, in which case you cannot use LRSN specifications.

### **Severity**

0

### **System action**

Processing continues.

### **System programmer response**

If the queue manager is not in a queue-sharing group, rerun the job using RBA specifications for the log range.

## **CSQ1276E: LOG READ ERROR, RETCODE=rc, REASON CODE=reason, LRSN=x-lrsn**

### **Explanation**

An error was encountered while attempting to read the log, indicating that either the log has an error in one of the control intervals (CI), or a data set containing the requested LRSN cannot be located. The LRSN specification in the message indicates where the error was detected and gives the requested LRSN. It will point to:

- The start of the CI if there is a problem with the log control interval definition (LCID), or with any of the general control information within a CI
- The log record in the CI if there is a problem with a log record header (LRH)

If this is the first log record read during this execution of the Log Extractor, and if there is a problem with the LCID, the LRSN specification will be all zeros.

Before returning any records, the utility checks the control information (LCID) at the end of a CI, and analyzes the LRH to ensure that all records are properly chained together within the CI. If an error is detected while performing this process, CSQ1LOGP will issue this message, before dumping the entire CI. It will not format individual records within the CI, but will, if possible, continue processing by reading the next CI.

### Severity

4

### System action

Processing continues.

### Problem determination

The reason code identifies the nature of the error. The return code included in the message is explained in "Log services return codes," and the reason code is explained in Chapter 2, "Codes," on page 711.

## **CSQ1277E: LRSN RANGE WARNING, RETCODE=rc, REASON CODE=reason, PRIOR LRSN=p-lrsn, CURRENT LRSN=c-lrsn**

### Explanation

A gap in the log LRSN range has been encountered. The PRIOR LRSN specification indicates the last good log LRSN prior to the gap. The CURRENT LRSN specification indicates the log record following the gap, and will be formatted following this message.

### Severity

4

### System action

Processing continues.

### Problem determination

The reason code identifies the nature of the error. The return code included in the message is explained in "Log services return codes," and the reason code is explained in Chapter 2, "Codes," on page 711.

## **Log services return codes**

The return codes set by log services are:

- 0 Successful completion
- 4 Exception condition (for example, end of file), not an error.
- 8 Unsuccessful completion due to parameter errors.
- 12 Unsuccessful completion. Error encountered during processing of a valid request.

---

## WebSphere MQ-IMS bridge Messages (CSQ2...)

**CSQ2001I: *csect-name* OTMA REJECTED MESSAGE – APPLICATION ERROR, SENSE CODE=*code*, XCFGNAME=*gname* XCFMNAME=*mname* TPIPE=*tpipename***

### Explanation

Because of an application error, the MQ-IMS bridge received a negative acknowledgement (NAK) from OTMA when sending a message. The information provided in the message is:

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner.

*tpipename*  
The name of the Tpipe used by the partner.

*code* The IMS sense code returned by the partner (the first four characters are the sense code).

### System action

The message is put to the dead-letter queue, and processing continues.

### System programmer response

Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

**CSQ2002E: *csect-name* OTMA CLIENT BID REJECTED, XCFGNAME=*gname* XCFMNAME=*mname*, SENSE CODE=*code***

### Explanation

An OTMA client bid command from the MQ-IMS bridge was rejected. *code* is the associated IMS sense code. *gname* and *mname* identify the partner IMS system to which the command was directed.

### System action

No connection is made to the IMS system. Connections to other OTMA partners are unaffected.

### System programmer response

Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

**CSQ2003E: *csect-name* OTMA REJECTED MESSAGE –  
SYSTEM ERROR, SENSE CODE=*code*, XCFGNAME=*gname*  
XCFMNAME=*mname* TPIPE=*tpipename***

**Explanation**

Because of a system-related error, the MQ-IMS bridge received a negative acknowledgement (NAK) from OTMA when sending a message. The information provided in the message is:

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner.

*tpipename*

The name of the Tpipe used by the partner.

*code* The IMS sense code returned by the partner (the first four characters are the sense code).

**System action**

If the problem was caused by an environmental error, the IMS bridge returns the message to the queue, and closes the queue.

If a severe error occurred, the message is returned to the queue, and the IMS bridge ends abnormally with completion code X'5C6' and reason code X'00F20059'.

**System programmer response**

Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

**CSQ2004E: *csect-name* ERROR USING QUEUE *q-name*,  
MQRC=*mqrc***

**Explanation**

The MQ-IMS bridge was unable to open, close, get from, put to, or inquire about a queue.

If *csect-name* is CSQ2QCP0, the problem was with the message queue associated with IMS or the reply-to queue. If *csect-name* is CSQ2QCP1, the problem was with the reply-to queue. If *csect-name* is CSQ2PUTD, the problem was with the dead-letter queue.

**System action**

If the problem was caused by an environmental error, processing continues.

If a severe error occurred, the IMS bridge ends abnormally with completion code X'5C6' and a reason code which shows the particular error.

**System programmer response**

Refer to API completion and reason codes for information about *mqrc*.



**CSQ2005I: *csect-name* ERROR PROCESSING MESSAGE,  
FEEDBACK=*code*, XCFGNAME=*gname* XCFMNAME=*mname*  
TPIPE=*tpipename***

**Explanation**

The MQ-IMS bridge encountered an error while processing a message. *code* is the associated feedback code that will be set in the messagedescriptor. The information provided in the message is:

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner.

*tpipename*

The name of the Tpipe used by the partner.

*code* The IMS sense code returned by the partner.

**System action**

The message is not processed.

**System programmer response**

*code* is one of the following:

**291 (MQFB\_DATA\_LENGTH\_ZERO)**

A segment length field was zero in the application data of the message.

**292 (MQFB\_DATA\_LENGTH\_NEGATIVE)**

A segment length field was negative in the application data of the message.

**293 (MQFB\_DATA\_LENGTH\_TOO\_BIG)**

A segment length field was too big in the application data of the message.

**294 (MQFB\_BUFFER\_OVERFLOW)**

The value of one of the length fields would overflow the MQ message buffer.

**295 (MQFB\_LENGTH\_OFF\_BY\_ONE)**

The length field was one byte too short.

**296 (MQFB\_IIH\_ERROR)**

The MQMD specified MQFMT\_IMS, but the message does not begin with a valid MQIIH structure.

**298 (MQFB\_NOT\_AUTHORIZED\_FOR\_IMS)**

The user ID specified in the MQMD was denied access.

**3xx** IMS sense code xx (where xx is the decimal representation of the IMS sense code). Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

## **CSQ2006I: *csect-name* DEAD-LETTER QUEUE UNAVAILABLE, MQRC=*mqrc***

### **Explanation**

The MQ-IMS bridge was unable to put a message to the dead-letter queue.

### **System action**

If the message was being sent to IMS, it will be retained on the local IMS queue, and the queue will be disabled. If the message was coming from IMS, a NAK will be sent to IMS so that IMS will retain it and stop sending messages on the Tpipe.

### **System programmer response**

If *mqrc* is 0, there is no dead-letter queue defined; you are strongly recommended not to use the MQ-IMS bridge unless you have a dead-letter queue defined. Otherwise, there is a problem obtaining the name of the queue from the queue manager; refer to API completion and reason codes for information about *mqrc*.

## **CSQ2009I: *csect-name* PREREQUISITE PRODUCTS FOR IMS BRIDGE NOT AVAILABLE**

### **Explanation**

The MQ-IMS bridge cannot operate because:

- The version of z/OS or OS/390 being used is not correct
- The version of IMS being used is not correct
- OTMA support has not been enabled on IMS.
- An incorrect version of the system parameter module (CSQZPARM) is being used.

### **System action**

The MQ-IMS bridge does not start.

### **System programmer response**

Refer to the WebSphere MQ for z/OS Concepts and Planning Guide for information about what product levels are required.

If required, recompile CSQZPARM with the correct libraries.

## **CSQ2010I: *csect-name* CONNECTED TO PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### **Explanation**

The MQ-IMS bridge successfully established a connection to the partner IMS system identified by *gname* and *mname*.

### System action

Processing continues; messages can be sent to the partner.

## **CSQ2011I: *csect-name* DISCONNECTED FROM PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

The partner IMS system identified by *gname* and *mname* is no longer available, and the connection from the MQ-IMS bridge has ended.

### System action

Processing continues; messages can no longer be sent to the partner.

## **CSQ2012I: *csect-name* NO UTOKEN SECURITY REQUESTED FOR IMS SIGNON, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

The MQ-IMS bridge signed-on to the partner IMS system identified by *gname* and *mname*. No UTOKEN security was requested for this session.

### System action

Processing continues.

## **CSQ2013E: *csect-name* NOT AUTHORIZED FOR IMS SIGNON, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

The MQ-IMS bridge tried to sign on to the partner IMS system identified by *gname* and *mname*. However, the queue manager not authorized to establish a connection to this IMS system.

### System action

No connection is made to the IMS system. Connections to other OTMA partners are unaffected.

## **CSQ2015I: *csect-name* IMS BRIDGE ALREADY SUSPENDED, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

A SUSPEND QMGR FACILITY(IMSBRIDGE) command was issued, but the MQ-IMS bridge to the partner IMS system identified by *gname* and *mname* is already suspended.

## System action

None.

## CSQ2016I: *csect-name* IMS BRIDGE NOT SUSPENDED, XCFGNAME=*gname* XCFMNAME=*mname*

### Explanation

A RESUME QMGR FACILITY(IMSBRIDGE) command was issued, but the MQ-IMS bridge to the partner IMS system identified by *gname* and *mname* is not suspended.

## System action

None.

## CSQ2020E: *csect-name* RESYNCHRONIZATION ERROR

### Explanation

A resynchronization error has occurred. The information provided by this message is:

```
IN TPIPE tpipename
FOR QUEUE q-name,
BY PARTNER, XCFGNAME=gname XCFMNAME=mname,
QMGR SEND=sendseq PARTNER RECEIVE=otmarecvseq,
QMGR RECEIVE=recvseq PARTNER SEND=otmasendseq,
INDOUBT UNIT OF RECOVERY urid
```

where:

*tpipename*

The name of the Tpipe which cannot be resynchronized

*q-name* The name of the queue for this Tpipe

*gname* The name of the XCF group to which the Tpipe belongs

*mname* The name of the XCF member to which the Tpipe belongs

*sendseq*

The recoverable sequence number of the message last sent by MQ to the partner, in hexadecimal

*otmasendseq*

The recoverable sequence number of the message last sent by the partner to MQ, in hexadecimal

*recvseq*

The recoverable sequence number of the message last received by MQ from the partner, in hexadecimal

*otmarecvseq*

The recoverable sequence number of the message last received by the partner from MQ, in hexadecimal

*urid*

The identifier of an in-doubt unit of recovery; a value of 0 means that there is no in-doubt unit of recovery.

### System action

No messages are sent on the Tpipe.

### System programmer response

Use the RESET TPIPE command to reset recoverable sequence numbers, to restart the Tpipe, and, if required, to resolve the unit of recovery.

## **CSQ2023E: *csect-name* PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*, CANNOT RESYNCHRONIZE, SENSE CODE=*code***

### Explanation

MQ was unable to resynchronize with the partner. The information provided in the message is:

*gname* The name of the XCF group to which the partner belongs.

*mname* The member name of the partner who cannot resynchronize.

*code* The IMS sense code returned by the partner (the first four characters are the sense code).

### System action

The connection to OTMA is stopped

### System programmer response

See the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS. Resolve the problem and restart the OTMA connection.

## **CSQ2024E: *csect-name* TPIPE *tpipename* IS UNKNOWN TO PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

The Tpipe name was unknown to the partner. The information provided in the message is:

*tpipename*

The name of the Tpipe which the partner no longer recognizes.

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner who is resynchronizing

### System action

The associated unit of recovery is backed out and processing continues.

### System programmer response

None.

**CSQ2025E: *csect-name* PARTNER, XCFGNAME=*gname*  
XCFMNAME=*mname*, CANNOT RESYNCHRONIZE TPIPE  
*tpipename*, SENSE CODE=*code***

**Explanation**

The partner was unable to resynchronize the Tpipe. The information provided in the message is:

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner who is resynchronizing.

*tpipename*

The name of the Tpipe which the partner cannot resynchronize.

*code* The IMS sense code returned by the partner.

**System action**

The Tpipe is stopped.

**System programmer response**

See the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS. Resolve the problem and restart or reset the Tpipe.

**CSQ2026I: *csect-name* PARTNER, XCFGNAME=*gname*  
XCFMNAME=*mname*, HAS COLD-STARTED TPIPE *tpipename***

**Explanation**

The partner has cold started a Tpipe. The information provided in the message is:

*gname* The XCF group of which the partner is a member.

*mname* The member name of the partner who is resynchronizing.

*tpipename*

The name of the Tpipe which the partner has cold started.

**System action**

All recoverable sequence numbers are reset to 1, and processing continues.

**System programmer response**

None.

**CSQ2027I: *csect-name* TPIPE *tpipename* FOR PARTNER,  
XCFGNAME=*gname* XCFMNAME=*mname*, DOES NOT HAVE  
AN INDOUBT UNIT OF RECOVERY**

**Explanation**

MQ expected a Tpipe to have an in-doubt unit of recovery. The information provided by the message is:

*tpipename*

The name of the Tpipe for which there should be a unit of recovery still in doubt

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner for the Tpipe.

### **System action**

Processing continues.

### **System programmer response**

Collect the following items, and contact your IBM support center.

- Console log
- MQ job log
- IMS job log

## **CSQ2028I: *csect-name* QUEUE MANAGER IS NOT CONNECTED TO PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### **Explanation**

MQ is not connected to the partner. The information provided in the message is:

*gname* The group name of the partner.

*mname* The member name of the partner.

### **System action**

The command is rejected.

### **System programmer response**

Resubmit the command using the correct XCF group name when MQ is connected to the partner.

## **CSQ2029I: *csect-name* TPIPE *tpipename* NOT FOUND FOR PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### **Explanation**

The Tpipe could not be found. The information provided in this message is:

*tpipename*

The name of the Tpipe which could not be found.

*gname* The XCF group of which the partner is a member.

*mname* The member name of the partner for the Tpipe.

### **System action**

The command is rejected.

### System programmer response

Resubmit the RESET TPIPE command with the correct Tpipe name.

## **CSQ2030I: *csect-name* TPIPE *tpipename* IS STILL OPEN FOR PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

### Explanation

The Tpipe is still open. The information provided by this message is:

*tpipename*

The name of the Tpipe which is still open.

*gname* The XCF group name.

*mname* The member name of the partner for the Tpipe.

### System action

The command is rejected.

### System programmer response

Resubmit the RESET TPIPE command with the correct Tpipe name.

## **CSQ2031I: *csect-name* TPIPE *tpipename* FOR PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*, ACTION REQUIRED FOR INDOUBT UNIT OF RECOVERY**

### Explanation

A Tpipe has an in-doubt unit of recovery, but no recovery action was specified. The information provided by the message is:

*tpipename*

The name of the Tpipe which has a unit of recovery still in doubt

*gname* The XCF group to which the partner belongs.

*mname* The member name of the partner for the Tpipe.

### System action

Processing continues.

### System programmer response

Resubmit the RESET TPIPE command specifying an action (COMMIT or BACKOUT) for the in-doubt unit of recovery.



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## Subsystem support messages (CSQ3...)

### **CSQ3001E: *csect-name* – ABNORMAL DISCONNECT FROM SUBSYSTEM INTERFACE**

#### **Explanation**

An online routine was still supporting SSI calls (IEFSSREQ) even though the queue manager had nearly completed termination or was no longer executing. This occurs with *csect-name* CSQ3RS00 or CSQ3RS0X when the queue manager address space has reached end-of-memory and neither normal termination nor online error recovery routines have successfully completed termination of the queue manager. This occurs with *csect-name* CSQ3SSTM when this condition is discovered during online termination.

#### **System action**

The connection is terminated. All IEFSSREQ requests are handled by the MQ early processing program until the queue manager is restarted. An SVC dump is requested.

#### **Problem determination**

Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

### **CSQ3002I: INDOUBT RECOVERY BY *connection-name* STILL IN PROGRESS**

#### **Explanation**

There might be MQ units of recovery (URs), related to an identified subsystem (*connection-name*), still in doubt after restart synchronization has taken place. (Indoubt URs are those for which commit has been voted by MQ but which have not yet been acknowledged by *connection-name*.)

This message might appear if the *connection-name* subsystem has begun to do new work before having resolved all in-doubt URs. The *connection-name* subsystem is still in the process of resolving the in-doubt URs.

#### **System action**

Resources held (locked) by these in-doubt URs are unavailable to any other work units until their status is resolved.

#### **System programmer response**

The system programmer or system administrator must determine the correct recovery action to resolve the in-doubt situations. This involves either ensure-commit or backout decisions for all in-doubt URs.

The DISPLAY THREAD command should be used to see the URs still in doubt. It will normally show that all in-doubt URs have now been resolved. If not, the RESOLVE INDOUBT command should be used to resolve the in-doubt URs and to release the resources they hold.

### **Problem determination**

This error is probably caused by a cold start after an abnormal termination or by offline alterations of the logs of either MQ or the subsystem.

## **CSQ3004E: SSI DESCRIPTOR GET FAILURE, RC=rc REASON=reason**

### **Explanation**

An internal error has occurred during initialization or termination.

### **System action**

The queue manager terminates.

### **System programmer response**

Ensure that all maintenance has been applied to the WebSphere MQ program libraries, and then restart the queue manager.

### **Problem determination**

If the problem persists, collect the following items, and contact your IBM support center:

- Console log
- System dump

## **CSQ3006E: 'rmid' SSI FUNCTION WAS ALREADY ACTIVE WHEN ACTIVATE WAS ATTEMPTED**

### **Explanation**

An initialization sequence error has occurred.

### **System action**

The queue manager terminates.

### **System programmer response**

Ensure that all maintenance has been applied to the WebSphere MQ program libraries, and then restart the queue manager.

### **Problem determination**

If the problem persists, collect the following items, and contact your IBM support center:

- Console log

- System dump

## **CSQ3007E: 'rmid' SSI FUNCTION WAS ALREADY INACTIVE WHEN DEACTIVATE WAS ATTEMPTED**

### **Explanation**

A termination sequence error has occurred.

### **System action**

Termination continues.

### **System programmer response**

Ensure that all maintenance has been applied to the WebSphere MQ program libraries.

### **Problem determination**

If the problem persists, collect the following items, and contact your IBM support center:

- Console log
- System dump

## **CSQ3008E: *csect-name* – ABNORMAL DISCONNECT FOR PROGRAM REQUEST HANDLER(S)**

### **Explanation**

One or more resource managers are still supporting application program calls through their program request handler, even though the queue manager had almost completed termination, or was no longer executing. This occurs when the queue manager address space has gone to end of memory and neither normal termination nor online error recovery routines have successfully completed termination.

### **System action**

The connection is terminated. All application program support requests are rejected with an indication that the queue manager is not active. An SVC dump is requested.

### **System programmer response**

If the problem persists, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

## CSQ3009E: error-info

### Explanation

An internal error has occurred in RRS exit processing. The message contains error information that will be needed to resolve the problem.

### System action

Processing continues, but RRS coordination is no longer available to the queue manager. It will probably be necessary to restart the queue manager or RRS.

### Problem determination

Collect the following diagnostic items and contact your IBM support center:

- A description of the actions that led to the message, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time
- The error information in the message
- The queue manager job log
- The queue manager active log data set
- Any system dump output associated with the message

## CSQ3011I: *csect-name* Coordinator RRS is cold-starting and has lost its log. In-doubt MQ threads need manual resolution

### Explanation

MQ has participant responsibility for in-doubt threads. RRS, the commit coordinator, has informed the queue manager that it lost all knowledge of MQ in-doubt threads. The in-doubt threads at this queue manager must be manually resolved with the RESOLVE INDOUBT command.

### System action

Processing continues.

### System programmer response

A list of in-doubt threads where RRS is the coordinator can be displayed using the DISPLAY THREAD command for in-doubt type threads by specifying RRSBATCH as the connection name.

The decision to commit or back out the logical unit of work should be coordinated with any other participant RRS Recoverable Resource Managers. The existence of other participants might not be easy to determine. The information might be available in the RRS recovery log even though information has been lost.

At this queue manager, all in-doubt threads coordinated by RRS must be resolved with the RESOLVE INDOUBT command. Locked data remains unavailable until resolution. Threads that were already resolved with this command are discarded. Threads not yet resolved are discarded after resolution with the command.

The commit or back out decision provided using the RESOLVE INDOUBT command for a logical unit of work is propagated to all downstream participants, if any.

### **CSQ3013I: *csect-name* Queue manager was restarted on the wrong system so cannot connect to RRS. There are unresolved URs where MQ is a participant**

#### **Explanation**

The queue manager has one or more in-doubt threads and is unable to connect to RRS to resolve these in-doubt units of recovery (URs).

#### **System action**

Processing continues.

#### **Operator response**

Start the queue manager on the correct system.

### **CSQ3014I: *csect-name* In-doubt RRS URID=*rrs-urid* is unknown to MQ. URID recorded for MQ by RRS=*mq-urid***

#### **Explanation**

The queue manager is restarting with RRS where MQ is a participant and RRS is the coordinator. RRS has a unit of recovery (UR) that the queue manager should be a participant in, but it has no knowledge of the RRS unit of recovery, whose ID is *rrs-urid*. RRS has recorded the MQ URID as *mq-urid*.

#### **System action**

Restart with RRS continues.

#### **System programmer response**

This message might indicate a problem in MQ or RRS, or it might be produced because of one of the following prior actions:

- A conditional restart was performed that resulted in the loss of part or all of the MQ log. This conditional restart might have happened at any time in the past.
- The RESOLVE INDOUBT command was used to resolve the MQ UR with ID *mq-urid*.

If one of these occurred, the message can be ignored. If neither occurred, there might be a problem in MQ or RRS.

If the *mq-urid* appears to be a valid log RBA, use the log print utility (CSQ1LOGP) with the SUMMARY option and URID options using the *mq-urid* value. If this finds the UR, the disposition will indicate whether it was committed or backed out. If possible, use the RRS ISPF interface to commit or back out the RRS URID so that they match.

If you suspect an error in MQ, collect the items listed in the Problem Determination section and contact your IBM support center.

### **Problem determination**

Collect the following diagnostic items:

- The queue manager job log
- The queue manager active log data set

## **CSQ3016I: *csect-name* RRS has lost data from its log**

### **Explanation**

The queue manager is restarting with RRS and RRS has lost some portion of its log.

### **System action**

Restart with RRS continues.

### **System programmer response**

MQ might not be able to resolve in-doubt units of recovery successfully with RRS because of the loss of RRS log data.

## **CSQ3017I: *csect-name* RRS function *call-name* failed, RC=*rc***

### **Explanation**

During queue manager restart, the RRS function specified by *call-name* issued a return code *rc* indicating a failure.

### **System action**

Processing continues, but RRS functions will not be available. For example, connections using the RRS adapter will not be allowed, and queue-sharing group facilities will not work.

### **System programmer response**

Investigate the RRS return code from the function specified and resolve the problem. Then restart the queue manager.

## **CSQ3100I: *csect-name* – SUBSYSTEM *ssnm* READY FOR START COMMAND**

### **Explanation**

The queue manager has terminated, and can be restarted when required.

### **Operator response**

Issue the START QMGR command when desired.

## **CSQ3101E: *csect-name* – INVALID EARLY PROCESSING PARAMETER**

### **Explanation**

The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the early processing initialization parameter incorrectly. The name must be CSQ3EPX.

The failing subsystem name is provided in message IEF759I, which follows this message.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

### **System programmer response**

Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3102E: *csect-name* – INVALID COMMAND PREFIX**

### **Explanation**

The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the command prefix initialization parameter incorrectly.

The failing subsystem name is provided in message IEF759I, which follows this message.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

### **System programmer response**

Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3104I: *csect-name* – TERMINATION COMPLETE**

### **Explanation**

The queue manager has terminated. The actual z/OS termination of the queue manager address spaces might have completed earlier. This message is presented for every termination, normal or abnormal.

## **CSQ3105E: *csect-name* – UNABLE TO LOAD EARLY PROCESSING PROGRAM 'CSQ3EPX'. *ssnm* IS NOT AVAILABLE**

### **Explanation**

Subsystem initialization or early processing refreshing for the MQ subsystem failed because the initialization program (CSQ3INI) could not locate the early processing program (CSQ3EPX).

For subsystem initialization, the program must be either in the linkpack area (LPA) or in a library which is in the link list. For early processing refreshing, the program must be in the LPA.

### **System action**

Subsystem initialization or early processing refreshing ends abnormally. MQ subsystem *ssnm* is not available.

### **Operator response**

Use the z/OS command SETPROG LPA,ADD,... to load the CSQ3EPX program into the LPA. For subsystem initialization, reissue the z/OS command SETSSI ADD. For early processing refreshing, reissue the REFRESH QMGR TYPE(EARLY) command.

## **CSQ3106E: *csect-name* – QUEUE MANAGER STOPPED. COMMAND NOT PROCESSED – *command-text***

### **Explanation**

A command was received which cannot be processed due to one of the following:

- The queue manager has not been started (this could be because the START QMGR command was not entered correctly)
- The command was queued for processing while the queue manager was starting, but startup terminated with an error
- The queue manager terminated before the command could be processed

### **System action**

The command is not processed.

### **Operator response**

Start the queue manager, then reenter the command.



## **CSQ3107E: *csect-name* – COMMAND REJECTED. REQUESTER NOT AUTHORIZED**

### **Explanation**

A command was received from a console that does not have the correct authority.

### **System action**

The command is not processed. This message is sent to the console that entered the command.

### **Operator response**

Enter the command from another console that has the correct authority.

### **System programmer response**

Verify that this console should be used for entering MQ commands. If so, authorize it for MQ commands by using z/OS services.

**Note:** If MQ security is not activated, this check is still performed. This authorization is the z/OS console authority, and is not related to the external security manager. The console that entered the MQ command must have the SYS, ALL, or MASTER console authority attribute.

## **CSQ3108E: *csect-name* – COMMAND REJECTED. COMMAND FACILITY PATH UNAVAILABLE**

### **Explanation**

A command was received, but the path from z/OS consoles to the MQ command processor is unavailable. It might still be possible to enter commands in other ways.

### **System action**

The command is not processed. This message is delivered to the console that entered the command.

### **System programmer response**

The console command facility is available again the next time the queue manager is started.

## **CSQ3109E: *csect-name* – UNABLE TO OBTAIN SUBSYSTEM AFFINITY TABLE INDEX FOR SUBSYSTEM *ssnm*. IEFSSREQ RC=*nn***

### **Explanation**

MQ was unable to obtain a subsystem affinity table index for the named subsystem. z/OS did not recognize the named subsystem name as a known subsystem. If this message is issued, a serious error has occurred in z/OS or MQ.

In the message, *nm* is the return code from the IEFSSREQ z/OS service. *ssnm* is the name of the MQ subsystem undergoing IPL-time initialization.

### **System action**

MQ ends abnormally with completion code X'5C6' and reason code X'00F30104'. The MQ subsystem with the indicated name is not available for this IPL of z/OS.

### **Operator response**

Notify the system programmer.

### **System programmer response**

Try to re-IPL. If the problem persists, see the WebSphere MQ for z/OS Problem Determination Guide for information about reporting the problem.

### **Problem determination**

A record is written to SYS1.LOGREC. No SVC dump is taken. Return codes from IEFSSREQ are documented in the *MVS Authorized Assembler Services Guide* manual.

## **CSQ3110I: *csect-name* – SUBSYSTEM *ssnm* INITIALIZATION COMPLETE**

### **Explanation**

Either:

- MQ subsystem initialization is complete, following z/OS IPL processing or the z/OS command SETSSI ADD.
- The MQ early processing program has been successfully refreshed, following a REFRESH QMGR TYPE(EARLY) command.

### **Operator response**

Issue the START QMGR command when desired.

## **CSQ3111I: *csect-name* – EARLY PROCESSING PROGRAM IS version LEVEL n**

### **Explanation**

This message shows the level of the early processing program that is being used.

## **CSQ3112E: *csect-name* – INVALID CPF SCOPE**

### **Explanation**

The z/OS command SETSSI ADD or the subsystem definition record in the IEFSSNxx member of SYS1.PARMLIB for the MQ subsystem specified the CPF scope initialization parameter incorrectly.

The failing subsystem name is provided in message IEF759I, which follows this message.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with the correct parameters. Otherwise, notify the system programmer.

### **System programmer response**

Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3113E: *csect-name* – COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN CPF**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) contains invalid characters.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

### **System programmer response**

Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3114E: *csect-name* – COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN SUBSYSTEM NAME**

### **Explanation**

Command prefix registration failed because the subsystem name used as the owner of the command prefix (CPF) contains invalid characters.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

### **System programmer response**

Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3115E: *csect-name* – COMMAND PREFIX REGISTRATION FAILED. CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) was already defined to z/OS.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

### **System programmer response**

Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3116E: *csect-name* – COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUBSET OF A CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) is a subset of a CPF already defined to z/OS.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

### **System programmer response**

Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3117E: *csect-name* – COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUPERSET OF A CPF ALREADY DEFINED**

### **Explanation**

Command prefix registration failed because the command prefix (CPF) is a superset of a CPF already defined to z/OS.

### **System action**

The MQ subsystem with the indicated name is not available.

### **Operator response**

If you are trying to add an MQ subsystem, reissue the z/OS command SETSSI ADD with a correct CPF parameter. Otherwise, notify the system programmer.

### **System programmer response**

Correct the CPF parameter in the record of SYS1.PARMLIB member IEFSSNxx. See the WebSphere MQ for z/OS System Setup Guide for information about the parameters.

## **CSQ3118E: *csect-name* – SYSTEM ERROR DURING COMMAND PREFIX REGISTRATION**

### **Explanation**

A z/OS error occurred during command prefix (CPF) registration.

### **System action**

The MQ subsystem with the indicated name is not available.

### **System programmer response**

Check the z/OS console for other messages relating to the problem.

## **CSQ3201E: ABNORMAL EOT IN PROGRESS FOR USER=*user* CONNECTION-ID=*conn-id* THREAD-XREF=*thread-xref***

### **Explanation**

Abnormal termination processing has been started for the agent with the values for the USER, CONNECTION-ID, and THREAD-XREF shown. These values are the last known set of identifiers for the terminating agent.

The abnormal termination could be the result of an error in the allied agent's address space or the result of the z/OS command CANCEL issued by the operator.

The value for the USER and/or THREAD-XREF might be blank. The values for the USER, CONNECTION-ID, and THREAD-XREF are the last values established to MQ for this connection and might or might not represent the current activity of the agent. Previous MQ work by this agent might have completed successfully.

This message, CSQ3201E, is written to the z/OS console after the agent has been removed from the service task work queue at the time that termination processing begins.

### **System action**

The agent was previously queued to a service task for termination processing. This message indicates that the agent has been taken from the queue for processing. Any uncommitted changes will be backed out.

### **Operator response**

Notify your system programmer.

### **System programmer response**

See the Problem Determination section of this message. The z/OS commands CANCEL and FORCE will have no effect and should not be issued. MQ should not be canceled. If an extensive backout is in progress, the subsequent queue manager restart might take a very long time due to additional log activity.

### **Problem determination**

You can detect a deferred termination condition for a task by examining several indicators. Some or all of the following might be present:

- The allied address space might be swapped out and appear to be in a never-ending WAIT condition.
- The z/OS commands CANCEL and FORCE appear to have no effect.
- The allied task holds a z/OS-shared ENQ on resource `SYSZCSQ3.ERLYOLRH.early-block-address`.
- During abnormal termination of the agent associated with the task in error, the task's connection will appear on the MQ DISPLAY THREAD output with a QD status, prior to this message being written, or with a D status after this message is written and until the thread is resolved. See message CSQV402I for the definitions of these status codes.
- IMS transactions running in regions connected to MQ may receive this message for non-MQ transactions.

## **CSQ3580E: CONNECTION FOR 'ssi-call' GAVE RC=rc, REASON=reason**

### **Explanation**

A nonzero return code has been returned to CSQ3AMI2 from the connect to subsystem interface (SSI) call. The variables in the message indicate which SSI call is involved and the actual return and reason codes associated with it.

### **System action**

The current task is ended abnormally with a system completion code of X'5C6' and a reason code of X'00F30580'. The queue manager terminates.

### **Operator response**

Notify the system programmer.

### **System programmer response**

Restart the queue manager. Note the values contained in the message, and contact your IBM support center.

---

## **DB2 manager messages (CSQ5...)**

### **CSQ5001I: *csect-name* Connected to DB2 DB2-name**

#### **Explanation**

The queue manager has successfully established a connection to the named DB2 subsystem.

#### **System action**

Processing continues.

#### **System programmer response**

None.

### **CSQ5002E: *csect-name* Connection to DB2 using *connect-name* failed, RC=*return-code* reason=*reason***

#### **Explanation**

The queue manager's attempt to establish a connection to the named DB2 subsystem failed.

#### **System action**

Queue manager startup is terminated.

#### **System programmer response**

This is normally an authorization error.

Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the codes and attempt to resolve the problem.

### **CSQ5003A: *csect-name* Connection to DB2 using *connect-name* pending, no active DB2**

#### **Explanation**

The queue manager is waiting for an eligible DB2 subsystem to become active so that a connection can be established. Alternatively, RRS is inactive or was started after the DB2 subsystems.

### **System action**

The queue manager waits for an eligible DB2 subsystem to become active.

### **System programmer response**

Check whether the DB2 subsystem(s) are active. If not then start them. If they are active, ensure RRS is active and check that it was started prior to the DB2 subsystems.

## **CSQ5004E: *csect-name* DB2 table entry for queue manager in queue-sharing group *qsg-name* is missing or incorrect**

### **Explanation**

During startup the queue manager was unable to find its entry in the DB2 administration tables, or the entry was incorrect.

### **System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50013'.

### **System programmer response**

Check that a queue manager record exists in the DB2 tables for the DB2 data-sharing group specified. Check the QSGDATA system parameter specifies the correct DB2 data-sharing group. If so, check that a queue manager entry exists in the CSQ.ADMIN\_B\_QMGR table.

If you are migrating from a previous release of WebSphere MQ, check also that you have updated the DB2 tables to the format for the current release. See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for information about migration and compatibility between releases.

## **CSQ5005E: *csect-name* Queue manager *release level* is incompatible with queue-sharing group**

### **Explanation**

The release level of the queue manager that is being started is incompatible with that of other members of the queue-sharing group.

### **System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50029'.

### **System programmer response**

Verify that the correct load libraries are being used and that the queue-sharing group information in the system parameters has been specified correctly. Also use the queue-sharing group utility (CSQ5PQSG) to verify that the queue manager has been defined correctly in the DB2 administration tables; be sure to use the same



version of WebSphere MQ for the utility as was used for running the queue manager. See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for information about migration and compatibility between releases.

## **CSQ5006E: *csect-name* Data-sharing groups differ**

### **Explanation**

A mismatch has been detected between the DB2 data-sharing group specified on the QSGDATA system parameter and the queue manager entry in the CSQ.ADMIN\_B\_QMGR table.

### **System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50006'.

### **System programmer response**

The queue-sharing group name specified on the QSGDATA system parameter must match that in which the queue manager is defined in the DB2 CSQ.ADMIN\_B\_QMGR table.

## **CSQ5007E: *csect-name* RRSF function function failed for plan *plan-name*, RC=*return-code* reason=*reason* syncpoint code=*sync-code***

### **Explanation**

A non-zero or unexpected return code was returned from an RRSF request. The DB2 plan involved was *plan-name*.

### **System action**

If the error occurs during queue manager startup or reconnect processing, the queue manager terminates with completion code X'6C6' and reason code X'00F50016'. Otherwise, an error message is issued and processing continues.

### **System programmer response**

Determine the cause of the error using the RRS return and reason code from the message.

Consult the *DB2 for z/OS Messages and Codes* manual for an explanation of the codes and attempt to resolve the problem.

## **CSQ5008E: *csect-name* DB2 *DB2-name* is not a member of data-sharing group *dsg-name***

### **Explanation**

The DB2 subsystem to which the queue manager has connected is not a member of the DB2 data-sharing group specified on the QSGDATA system parameter.

### **System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50007'.

### **System programmer response**

Ensure that the DB2 subsystem to which the queue manager has connected is a member of the data-sharing group specified on the QSGDATA system parameter.

Issue the DB2 command DIS GROUP to the DB2 subsystem and check the data-sharing group name matches the data-sharing group name on the QSGDATA system parameter.

## **CSQ5009E: *csect-name* SQL error for table *table-name*, code=*SQL-code* state=*SQL-state*, data=*d1 d2 d3 d4 d5***

### **Explanation**

A non-zero or unexpected SQL return code was returned from a DB2 SQL request.

### **System action**

The requested operation fails. Processing continues, but the failed request may result in further errors occurring. In some circumstances, the queue manager terminates with completion code X'6C6' and reason code X'00F50014'.

### **System programmer response**

Determine the reason for the SQL error and correct the problem.

Consult the *DB2 for z/OS Messages and Codes* manual to determine the reason for the SQL error.

## **CSQ5010E: *csect-name* XCF IXCQUERY member error, RC=*return-code* reason=*reason***

### **Explanation**

The queue manager received an unexpected return code from an IXCQUERY request.

### **System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50017'.

### **System programmer response**

Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCQUERY request.

**CSQ5011E: *csect-name* XCF IXCJOIN group error, RC=*return-code* reason=*reason***

**Explanation**

The queue manager received an unexpected return code from an IXCJOIN request.

**System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50019'.

**System programmer response**

Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCJOIN request.

**CSQ5012E: *csect-name* XCF IXCQUIES group error, RC=*return-code* reason=*reason***

**Explanation**

The queue manager received an unexpected return code from an IXCQUIES request.

**System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50021'.

**System programmer response**

Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCQUIES request.

**CSQ5013E: *csect-name* XCF IXCSETUS error, RC=*return-code* reason=*reason***

**Explanation**

The queue manager received an unexpected return code from an IXCSETUS request.

**System action**

The queue manager terminates with completion code X'6C6' and reason code X'00F50018'.

### **System programmer response**

Determine the reason for the unexpected error and correct the problem.

Consult the *z/OS MVS Programming: Sysplex Services Reference* manual for an explanation of the return and reason code from the IXCSETUS request.

## **CSQ5014I: *csect-name* Connection to DB2-name lost, DB2 terminated abnormally**

### **Explanation**

The queue manager received an abnormal termination notification from the DB2 subsystem to which it is connected.

### **System action**

The queue manager will clean up its connection to the DB2 subsystem and attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

### **System programmer response**

Determine the reason for the DB2 abnormal termination. Correct the problem and attempt to restart the DB2 subsystem.

## **CSQ5015I: *csect-name* Connection to DB2-name lost, DB2 shut down forcibly**

### **Explanation**

The queue manager received a STOP FORCE termination notification from the DB2 subsystem to which it is connected.

### **System action**

The queue manager will clean up its connection to the DB2 subsystem and attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

### **System programmer response**

Determine the reason for the DB2 forcible stop. Restart the DB2 subsystem.

## **CSQ5016I: *csect-name* Connection to DB2-name quiescing, DB2 terminating**

### **Explanation**

The queue manager received a STOP QUIESCE termination notification from the DB2 subsystem to which it is connected.

### **System action**

The queue manager will quiesce all DB2 server tasks and disconnect from the DB2 subsystem so that it can shut down. It will then attempt to reconnect. If a DB2 group attach name was specified on the QSGDATA system parameter a connection to a different DB2 may occur.

### **System programmer response**

Restart the DB2 subsystem so that shared queue operations can resume.

## **CSQ5019I: *csect-name* Disconnected from DB2 DB2-name**

### **Explanation**

The queue manager has successfully disconnected from the DB2 subsystem.

### **System action**

If the disconnect is due to a DB2 STOP MODE(QUIESCE) the queue manager will attempt to reconnect to the DB2 subsystem.

### **System programmer response**

None.

## **CSQ5020E: *csect-name* SQL error, table table-name not defined in DB2**

### **Explanation**

The queue manager attempted to access one of its DB2 tables. DB2 has returned an SQL code indicating the table does not exist.

### **System action**

The request fails and processing continues.

### **System programmer response**

Check that all MQ tasks to set up the DB2 environment completed successfully and that the correct DB2 data-sharing group name was specified on the QSGDATA system parameter.

## **CSQ5021E: *csect-name* SQL error, table table-name index not built in DB2**

### **Explanation**

The queue manager has attempted to access one of its DB2 tables. DB2 has returned an SQL code indicating that the index for the specified table has not been built.

### **System action**

The request fails and processing continues.

### **System programmer response**

Check that all MQ tasks to set up the DB2 environment completed successfully and that the correct DB2 data-sharing group name was specified on the QSGDATA system parameter.

## **CSQ5022I: *csect-name* Pending connection to DB2 using connect-name ended, queue manager terminating**

### **Explanation**

The outstanding connection pending request to DB2 has been terminated due to a STOP QMGR request.

### **System action**

The pending connect to DB2 is canceled and queue manager termination continues.

### **System programmer response**

None.

## **CSQ5023E: *csect-name* SQL error, table table-name locked by another DB2**

### **Explanation**

An attempt by the queue manager to access one of its tables was returned an SQL code indicating that the named resource is currently locked.

### **System action**

The request fails and processing continues.

### **System programmer response**

The most likely cause of this problem is contention for a DB2 resource, especially on a heavily-used system. If so, the problem is temporary; retry the action that gave the error.

If not, and the problem persists, determine from the message and the DB2 log the resource concerned and perform the recovery actions necessary to unlock the resource. Such a problem could be caused by a DB2 failure while updating one of the DB2 tables, which will be indicated in the DB2 log.

## **CSQ5024E: *csect-name* Unable to update queue manager status, RC=*return-code***

### **Explanation**

During startup and shutdown processing the queue manager attempts to update its status in the CSQ.ADMIN\_B\_QMGR table. This attempt failed.

### **System action**

None. Startup/shutdown processing continues.

### **System programmer response**

None.

## **CSQ5025E: *csect-name* SQL error, function function code=*SQL-code***

### **Explanation**

A call to the SQL function specified by *function* returned a non-zero code specified by *SQL-code*.

### **System action**

Processing continues.

### **System programmer response**

Note the values contained in the message, and contact your IBM support center. Consult the *DB2 for z/OS Messages and Codes* manual for more information about the error code.

## **CSQ5026E: *csect-name* Unable to access DB2, RRS is not available**

### **Explanation**

The queue manager tried to access DB2, but RRS is not available.

### **System action**

If this occurs during queue manager initialization, the queue manager waits for RRS to become available.

If this occurs at other times, the queue manager terminates its connection to DB2, and then tries to reconnect. Some queue-sharing group functions will not be available until RRS is restarted and the connection to DB2 is reestablished.

### **System programmer response**

Start (or restart) RRS.

## **CSQ5027E: *csect-name* SQL error for table *table-name*, deadlock or timeout occurred (code=SQL-code)**

### **Explanation**

An SQL call returned a non-zero code indicating that a deadlock or timeout condition occurred.

### **System action**

The request fails and processing continues.

### **System programmer response**

Retry the command or application involved. If the problem persists, contact your IBM support center. Consult the *DB2 for z/OS Messages and Codes* manual for more information about the error code.

## **CSQ5028E: *csect-name* Unable to access DB2, RRS connection limit exceeded**

### **Explanation**

The queue manager tried to access DB2, but RRS has reached the limit of allowed concurrent connections (IDENTIFYs).

### **System action**

If this occurs during queue manager initialization, the queue manager waits for an RRS connection to become available.

If this occurs at other times, the queue manager terminates its connection to DB2, and then tries to reconnect. Some queue-sharing group functions will not be available until RRS is restarted and the connection to DB2 is reestablished.

### **System programmer response**

Adjust the RRS connection limit if required, then start (or restart) RRS.

## **CSQ5029E: *csect-name* Operation on DB2 table *table-name* failed**

### **Explanation**

An operation requested for the named DB2 table failed. For example, the table may be full, or there may be insufficient storage available to perform the request.

This is most likely to occur when writing data to one of the tables that MQ uses to store large shared messages.



## System action

Message CSQ5009E is issued giving details of the associated SQL error codes. The requested operation fails and processing continues. The message or other data is not written to the table.

## System programmer response

Investigate the cause of the problem as indicated by the SQL codes in message CSQ5009E.

If the table is one of those used for storing large shared messages, and the problem is due to insufficient storage, retry the operation later, as the condition may be temporary. If the problem is because the table is full, take action to remove some of the messages; for example, start an application that retrieves and processes the messages. Use the MQ DISPLAY GROUP command to check if there are any obsolete messages in the tablespace, and delete them. If necessary, increase the size of the table.

## **CSQ5032I: *csect-name* Connection to DB2 *db2-name* in data-sharing group *dsg-name* is suspended**

### Explanation

This is issued in response to a SUSPEND QMGR FACILITY(DB2) command if it completed successfully.

### System action

All DB2 activity is suspended for the queue manager named, and the connection to DB2 is broken.

### System programmer response

Use the RESUME QMGR FACILITY(DB2) command when ready to resume DB2 activity.

## **CSQ5033I: *csect-name* Connection to DB2 *db2-name* in data-sharing group *dsg-name* is resumed**

### Explanation

The RESUME QMGR FACILITY(DB2) command completed successfully, reestablishing the connection to DB2.

### System action

DB2 activity is resumed for the queue manager named.

## **CSQ5034I: *csect-name* Suspend or resume DB2 request pending**

### **Explanation**

A SUSPEND or RESUME QMGR FACILITY(DB2) command was issued, but such a request is already pending.

### **System action**

None.

### **System programmer response**

Wait until the pending request completes, then reissue the command if necessary.

## **CSQ5035I: *csect-name* Connection to DB2 *db2-name* in data-sharing group *dsg-name* already suspended**

### **Explanation**

A SUSPEND QMGR FACILITY(DB2) command was issued, but the connection to the named DB2 subsystem is already suspended.

### **System action**

None.

## **CSQ5036I: *csect-name* Connection to DB2 *db2-name* in data-sharing group *dsg-name* not suspended**

### **Explanation**

A RESUME QMGR FACILITY(DB2) command was issued, but the connection to the named DB2 subsystem is not suspended.

### **System action**

None.

## **CSQ5100I: DISPLAY GROUP report ...**

### **Explanation**

This message is the initial response to the DISPLAY GROUP command. It is followed by message CSQ5102I which is a formatted report of the queue managers in the group.

### **System action**

Processing continues normally.

## CSQ5102I: Queue managers in group *group-name*

### Explanation

This message is part of the responses to the DISPLAY GROUP command. It provides information about each queue manager in the group, as follows:

```
Name Num Prefix Status Ver DB2 Connection
name num cpf qmgr-stat vrm db2-id conn-stat
:
```

**End of queue managers report**

where:

*name* The name of the queue manager.

*num* The internally generated number of the queue manager in the group.

*cpf* The command prefix of the queue manager.

*qmgr-stat*

The current status of the queue manager:

**ACTIVE**

The queue manager is running.

**INACTIVE**

The queue manager is not running, having terminated normally.

**FAILED**

The queue manager is not running, having terminated abnormally.

**CREATED**

The queue manager has been defined to the group, but has not yet been started.

**UNKNOWN**

The status cannot be determined.

*vrm* The function level of the queue manager. The value is a 3-digit number, where:

*v* is the version number

*r* is the release number

*m* is the modification number.

*db2-id* The name of the DB2 subsystem or group attachment to which the queue manager connects.

*conn-stat*

The current status of the connection to DB2:

**ACTIVE**

The queue manager is running and connected to DB2.

**PENDING**

The queue manager is running but not connected because DB2 has terminated normally.

**FAILED**

The queue manager is running but not connected because DB2 has terminated abnormally.

## INACTIVE

The queue manager is not running and not connected to DB2.

## UNKNOWN

The status cannot be determined.

Exceptionally, the last line might be either:

**Report terminated, too many lines**

if the report was generated in response to a command from a z/OS console and more than 253 response lines were generated. Only 253 response lines are returned.

**Report terminated**

if there was an error in obtaining the information. The error is described in the following messages.

## System action

Processing continues normally.

# CSQ5103I: Obsolete messages in DB2 for group *group-name*

## Explanation

Messages are normally deleted automatically from DB2, but in exceptional circumstances obsolete messages can remain. This identifies such messages, as follows:

```
LEID msg-id
:
:
End of messages report
```

where:

*msg-id* is the identifier of the message.

Exceptionally, the last line might be either:

**Report terminated, too many lines**

if the report was generated in response to a command from a z/OS console and more than 253 response lines were generated. Only 253 response lines are returned.

**Report terminated**

if there was an error in obtaining the information.

## System action

Processing continues normally.

## System programmer response

Delete the obsolete messages from DB2. For example, use SPUFI to issue the SQL command

```
DELETE FROM CSQ.ADMIN_B_MESSAGES
WHERE QSGNAME = 'group-name' AND
LEID = 'msg-id';
```

## CSQ5113I: Queue manager is not in a queue-sharing group

### Explanation

A command that requires a queue-sharing group was entered, but the queue manager is not in a group.

### Severity

0

### System action

The command is not actioned.

## CSQ5116E: *call-name* call failed, rc=rc reason=reason

### Explanation

During processing for a DISPLAY GROUP command, a coupling facility services call used to get information failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

### Severity

8

### System action

Processing is terminated. A following message is issued to identify which type of information was being obtained.

### System programmer response

See the *z/OS MVS Programming Sysplex Services Reference*. manual for information about the return and reason codes from the call.

## CSQ5117E: Information not available for group *group-name* – reason

### Explanation

During processing for a DISPLAY GROUP command, information could not be obtained for the group, for the *reason* indicated:

#### ERROR

A coupling facility services call failed, as indicated in the preceding CSQ5116E message.

#### CHANGED

The group size has changed.

### Severity

8

**System action**

Processing is terminated.

**System programmer response**

Resolve the problem accordingly.

---

**Generalized command preprocessor messages (CSQ9...)****CSQ9000E: 'keyword' appears more than once****Explanation**

The named keyword appears more than once in the command. This message will be issued for each occurrence of the keyword after the first.

**System action**

Processing for the command is terminated.

**System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the rules for building commands.

**CSQ9001E: 'keyword' is invalid****Explanation**

The named keyword is unknown or undefined. It might be misspelled, or it might not be applicable to the command being processed.

**System action**

Processing for the command is terminated.

**System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the command.

**CSQ9002E: Unbalanced parentheses following 'keyword'****Explanation**

An invalid combination of parentheses has been found following the keyword *keyword*. A closing parenthesis must follow an opening parenthesis before any other opening parenthesis occurs.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the rules for building commands.

## **CSQ9003E: 'keyword' parameter contains unbalanced apostrophes**

### **Explanation**

An odd number of apostrophes is present in a parameter value of keyword *keyword*. If the parameter is a quoted string, it must have one apostrophe at each end of the string. If an apostrophe is to appear within the string, two adjacent apostrophes must be entered. If the parameter is a hexadecimal value, it must be entered as X'hex-characters'.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the rules for building commands.

## **CSQ9004E: 'keyword' parameter specifies range (:) incorrectly**

### **Explanation**

A parameter of keyword *keyword* specifies a range of values incorrectly. The character used to denote a range is a colon (:); the format is *lower-limit:upper-limit*.

### **System action**

Processing for the command is terminated.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual to verify that the command you are using allows a range for the given keyword. Correct the error, and reissue the command.

## **CSQ9005E: 'keyword' parameter does not satisfy generic rules**

### **Explanation**

For the keyword *keyword*, parameter values may be generic, but the value specified does not conform to the rules for a generic value. Either:

- The value contains an asterisk (\*) which is not the last character.
- The value contains a question mark (?) or colon (:).
- The keyword is WHERE and the value is a single asterisk.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, correct the keyword parameter, and reenter the command. See the WebSphere MQ Script (MQSC) Command Reference manual for a description of the keyword and how to enter the command.

## **CSQ9006E: 'keyword' parameter uses asterisk (\*) incorrectly**

### **Explanation**

For the keyword *keyword*, an asterisk (\*) was used in a parameter value. Either:

- The asterisk was not the last or only character in the value. Incorrect examples are NAME(BL\*CK) and NAME(\*LUE); a correct specification is NAME(BL\*) or NAME(\*).
- There is a list of parameter values, for example DETAIL(1,\*).

### **System action**

Processing for the command is terminated.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual to verify that the command you are using allows specification of '\*' for the given keyword. Correct the error, and reissue the command.

## **CSQ9007E: Either 'keyword1' or 'keyword2' must be specified**

### **Explanation**

The command requires that either keyword *keyword1* or keyword *keyword2* is specified, but neither keyword was entered on the command. One of the two keywords must be present in order for the command to be processed.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Reissue the command and include whichever keyword is appropriate. See the WebSphere MQ Script (MQSC) Command Reference manual for descriptions of the two keywords, and for information about the rules for building commands.



## CSQ9008E: 'keyword' may not be negated

### Explanation

The negation characters (NO) appear in front of the keyword *keyword*, but negating this keyword is not allowed.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for further information about this command.

## CSQ9009E: 'keyword' not specified

### Explanation

The keyword *keyword* must be present, but it was not entered. This keyword must be present in order for the command to process properly.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command including the specified keyword. See the WebSphere MQ Script (MQSC) Command Reference manual for further information about this command.

## CSQ9010E: Required parameter for 'keyword' not specified

### Explanation

For the keyword *keyword*, either:

- One or more parameters must be specified, but no parameter was entered.
- A fixed number of parameters must be specified, but fewer parameters were entered.

For example, the keyword USERDATA must have a parameter that is a character string. Entering USERDATA() is meaningless; you must either enter a string (for example, USERDATA(MY\_DATA)), or if you want to remove this attribute, you must enter USERDATA(' ').

### System action

Processing for the command is terminated.

## System programmer response

Verify the command entry, supply appropriate parameters for the specified keyword, and reissue the command. See the WebSphere MQ Script (MQSC) Command Reference manual for further information about this command.

## CSQ9011E: Parameter(s) not allowed for 'keyword'

### Explanation

No parameters can be specified for the keyword *keyword*. This message is issued for each invalid parameter, so it can be issued more than once for a command.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, correct the error, and reissue the command. See the WebSphere MQ Script (MQSC) Command Reference manual for details on how to enter the command.

## CSQ9012E: 'keyword' parameter is not hexadecimal

### Explanation

Parameter values for the keyword *keyword* must be hexadecimal values. Hexadecimal characters are the numeric digits 0 through 9 and the letters A through F, in either uppercase or lowercase. The value may optionally be specified using the hexadecimal string notation *X'hex characters'*; for example, *keyword(123ABC)* and *keyword(X'123ABC')* are synonymous.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command, ensuring that the parameters for the named keyword are hexadecimal values.

## CSQ9013E: 'keyword' parameter 'parameter-value' length is more than *nn*

### Explanation

The parameter value *parameter-value* for keyword *keyword* exceeds the limit of *nn* characters in length.

### System action

Processing for the command is terminated.

## System programmer response

Verify the command entry. See the WebSphere MQ Script (MQSC) Command Reference manual for a list of acceptable parameters. Correct the error, and reissue the command.

## CSQ9014E: More than *nn* parameter(s) for 'keyword'

### Explanation

Too many parameters have been specified for the keyword *keyword*. At most *nn* parameters can be specified. In addition to entering too many parameters, this could also be caused by a missing closing parenthesis that has not yet been detected.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command, using no more than the specified limit of parameters for the given keyword. See the WebSphere MQ Script (MQSC) Command Reference manual for further details, and for information about the rules for building commands.

## CSQ9015E: Parameter 'parameter-value' is unacceptable for 'keyword'

### Explanation

The parameter value *parameter-value* is not an acceptable value for keyword *keyword*. Either:

- The keyword parameter can be one of a set of character values, but the value specified is not one of them.
- The keyword parameter can be a bounded numeric value, but the value specified is outside the bounds.
- The keyword parameter can be either numeric or one of a set of character values, but the value specified is neither numeric nor one of the set.
- The keyword is WHERE and the first parameter (the filter keyword) is not one of the acceptable keywords for the command.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for a list of acceptable values, and for information about the rules for building commands.

## CSQ9016E: 'cmd' command request not authorized

### Explanation

The command requires a level of authorization that you do not have, either for the command itself, or for the resource that it is operating on.

### System action

The command is not executed. Processing is terminated.

### Operator response

If the command must be executed on behalf of the user and your installation operating procedures permit it, enter the command on request.

### System programmer response

Contact the system programmer responsible for system security, and request that this person grant you authorization to use the command. Otherwise, you must have someone who is authorized issue the command for you.

## CSQ9017E: Failure while processing 'cmd' command

### Explanation

The command preprocessor ended abnormally while processing the command shown in the message. The error is recorded in SYS1.LOGREC, and an SVC dump is requested. The command might have partially completed. Look at any previous response messages to determine what has been done.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command. If it fails again, collect the items listed in the Problem Determination section, and contact your IBM support center.

### Problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

## **CSQ9018E: *csect-name* Insufficient storage to process 'cmd' command**

### **Explanation**

The command preprocessor was unable to obtain sufficient storage to complete processing of any response messages generated by the command.

### **System action**

Processing for the command is terminated abnormally.

### **Operator response**

Notify the system programmer before attempting to reissue the command.

### **System programmer response**

If the problem persists, you might need to increase the region size used by your queue manager or channel initiator, or you might need to reduce the number of jobs running in your system.

### **Problem determination**

The invoked command had completed processing and returned to the command preprocessor when an attempt was made to obtain storage from the address space from which the command was entered. Because sufficient storage was unavailable, no response messages from the invoked command are available.

## **CSQ9019E: 'cmd' command is invalid**

### **Explanation**

The command, which starts with *cmd*, is invalid. This could be because:

- the command verb is unknown
- no keywords were specified, or none were specified that are valid as a secondary keyword for the command
- there is syntax error at the start of the command

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for the correct command format, and for information about the rules for building commands.

## **CSQ9020E: 'keyword1' and 'keyword2' cannot both be specified**

### **Explanation**

The command does not allow keyword *keyword1* and keyword *keyword2* to be specified together.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command, omitting the inappropriate keyword. See the WebSphere MQ Script (MQSC) Command Reference manual for descriptions of the two keywords and how to enter the command.

## **CSQ9022I: *csect-name* 'cmd' NORMAL COMPLETION**

### **Explanation**

All synchronous processing for the command completed successfully. Any tasks executing asynchronously on behalf of the command might still be executing when this message is displayed.

### **System action**

Synchronous processing for the command is complete.

## **CSQ9023E: *csect-name* 'cmd' ABNORMAL COMPLETION**

### **Explanation**

The command has not completed successfully. The command has issued one or more error messages prior to this message.

### **System action**

Processing for the command has ended.

### **System programmer response**

Follow the instructions for the other messages associated with the error.

## **CSQ9025E: 'parameter-value' is unacceptable with 'WHERE' parameter 'filter-keyword'**

### **Explanation**

The parameter values for the WHERE keyword are incompatible. The WHERE keyword must have three parameters, *filter-keyword*, *operator*, and *filter-value*. The error is one of the following:

- The operator parameter is not appropriate for the type of parameter values that the filter keyword requires. For example, the filter keyword requires one of a set of parameter values, but the operator is not EQ or NE.
- The filter value parameter exceeds the length limit for parameter values of the filter keyword.
- The filter value parameter is not a value that is valid as a value of the filter keyword. For example:
  - The filter keyword requires a numeric parameter value but the filter value parameter is not numeric.
  - The filter keyword requires one of a set of parameter values but the filter value parameter is not one of them.
  - The filter keyword requires a bounded numeric parameter value but the filter value parameter is outside the bounds.
  - The filter keyword requires an object or system name, but the filter value parameter does not consist only of characters that are valid for such a name.

Depending on the error, *parameter-value* may be the operator parameter or the filter value parameter.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the parameters for the WHERE keyword.

## **CSQ9026E: 'keyword' parameter does not satisfy name rules**

### **Explanation**

Parameter values for the keyword *keyword* are names, and therefore must consist only of characters that are valid for the particular type of name, object name or system name. The valid object name characters are uppercase A-Z, lowercase a-z, numerics 0-9, period (.), forward slash (/), underscore (\_), and percent sign (%). The valid system name characters are uppercase A-Z, and numerics 0-9; the first character must not be numeric.

This message is issued if the name specified contains invalid characters, or if the name is all blank in cases where an all-blank name is not allowed.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command ensuring that the parameters for the named keyword are of the required type. See the WebSphere MQ Script (MQSC) Command Reference manual for a description of the keyword and how to enter the command.

## CSQ9028E: 'keyword' parameter is not numeric

### Explanation

Parameter values for the keyword *keyword* must consist of numeric values only.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command ensuring that the parameters for the named keyword are of the required type. See the WebSphere MQ Script (MQSC) Command Reference manual for a description of the keyword and how to enter the command.

## CSQ9029E: *csect-name* Failure while processing a command

### Explanation

An error occurred while processing a command. The command might or might not have been executed. The error has been recorded in the system error log (the SYS1.LOGREC data set), and an SVC dump was attempted.

You can get this message if you have insufficient ECSA.

### System action

Processing for the command is terminated.

### System programmer response

Verify the command entry, and reissue the command. If you cannot resolve the problem, collect the items listed in the Problem Determination section, and contact your IBM support center.

### Problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error.
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

## CSQ9030E: 'keyword' parameter may not be generic

### Explanation

The parameter for the keyword *keyword* specifies a generic value using an asterisk (for example, ABC\*), but a generic value is not allowed for that keyword.



### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, correct the keyword parameter, and reenter the command. See the WebSphere MQ Script (MQSC) Command Reference manual for a description of the keyword and how to enter the command.

## **CSQ9031E: Syntax error following 'keyword'**

### **Explanation**

The text that follows the named keyword contains invalid syntax. This is typically caused by specifying an incorrect sequence of special characters, such as equals (=), comma (,), colon (:), or parentheses.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, examining the text following the named keyword. Ensure that you have followed the rules for command entry, and reenter the command. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the rules for building commands.

## **CSQ9032E: Requested function is not available**

### **Explanation**

An attempt was made to invoke a command processor that was not loaded.

### **System action**

The requested function is not performed.

### **System programmer response**

Verify the command entry, to determine which command caused the error.

## **CSQ9033E: Command exceeds allowable length**

### **Explanation**

The command is so large that its internal form has exceeded the maximum length allowed. The size of the internal form of the command is affected by both the length, and the complexity of the command. (For example, an attempt has been made to use the operations and control panels to create a namelist containing too many names.)

This message could also be caused by commands entered through one of the following:

- the initialization input data sets
- the COMMAND function of the utility program CSQUTIL
- a user-written program that puts commands onto the system-command input queue, SYSTEM.COMMAND.INPUT

### Severity

8

### System action

Processing of the command is terminated.

### System programmer response

If you are using the operations and control panels to define a namelist, use the edit facility to reduce the number of names in the list. If you are entering a command from elsewhere, determine which command caused the error, and verify the syntax of that command from the WebSphere MQ Script (MQSC) Command Reference manual. Correct the command.

## CSQ9034E: Command cannot be issued using command server

### Explanation

An attempt was made to issue a command using the command server. The command cannot be issued in that way.

The command server is used by commands entered through one of the following:

- the COMMAND function of CSQUTIL
- the CSQINPX initialization input data set of the channel initiator
- a user-written program that puts commands onto the system-command input queue, SYSTEM.COMMAND.INPUT

### Severity

8

### System action

The command is ignored.

## CSQ9035E: *csect-name* Required keyword not specified

### Explanation

The command requires one of a set of alternative keywords to be specified, but none was.

### Severity

8

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for the proper format of the command, and for information about the rules for building commands.

## **CSQ9036E: Command with 'keyword>(parameter-value)' not allowed when queue manager is active**

### **Explanation**

The command has the specified parameter value for keyword *keyword*. The command with this keyword and value can be issued only when the queue manager is not active.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9037E: Command must be issued from *ddname***

### **Explanation**

An attempt was made to issue a command from the specified initialization input data set. The command cannot be issued from that data set.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9038E: Command must be issued from console**

### **Explanation**

An attempt was made to issue a command from other than the z/OS console or its equivalent. The command can only be issued in that way.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Issue the command from the z/OS console; it cannot be issued from elsewhere.

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9039E: Command cannot be issued from console**

### **Explanation**

An attempt was made to issue a command from the z/OS console or its equivalent. The command cannot be issued in that way.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9040E: Command cannot be issued from *ddname***

### **Explanation**

An attempt was made to issue a command from the specified initialization input data set. The command cannot be issued from that data set.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9041E: Command not allowed during restart**

### **Explanation**

An attempt was made to issue a command before restart had completed, but the command cannot be issued at that time. This could be because the command was in the CSQINP1 initialization input data set.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

If the command was in the CSQINP1 initialization input data set, delete it. See the WebSphere MQ for z/OS System Setup Guide for more information about the initialization input data sets.

## **CSQ9042E: Command with 'keyword()' cannot be issued from *ddname***

### **Explanation**

The command was issued with the specified keyword from an initialization input data set. The command with this keyword cannot be issued from that data set.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

See the WebSphere MQ Script (MQSC) Command Reference manual for information about how to use the command.

## **CSQ9045E: 'keyword' has parameter(s) and is a 'WHERE' parameter**

### **Explanation**

The command specifies the WHERE keyword with a filter keyword parameter *keyword*. That keyword is also specified explicitly with with parameters, which is not allowed.

### **System action**

Processing for the command is terminated.

### **System programmer response**

Verify the command entry, and reissue the command correctly. See the WebSphere MQ Script (MQSC) Command Reference manual for information about the parameters for the WHERE keyword.

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## Chapter 2. Codes

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### Connection manager codes (X'94')

If a connection manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Connection manager problem determination" on page 712 and contact your IBM support center.

#### 00940001

##### Explanation

An internal error has occurred.

##### System action

The current execution unit terminates with completion code X'5C6', and the queue manager terminates.

##### System programmer response

Collect the items listed in "Connection manager problem determination" on page 712 and contact your IBM support center.

Restart your queue manager.

#### 00940003

##### Explanation

An internal error has occurred.

##### System action

The current execution unit terminates with completion code X'5C6'.

##### System programmer response

Collect the items listed in "Connection manager problem determination" on page 712 and contact your IBM support center.

#### 00940004

##### Explanation

An internal error has occurred.

##### System action

The current execution unit terminates with completion code X'5C6'.

## System programmer response

Collect the items listed in “Connection manager problem determination” and contact your IBM support center.

### 00940007

#### Explanation

An internal error has occurred.

#### System action

The current execution unit terminates with completion code X'5C6'.

#### System programmer response

Collect the items listed in “Connection manager problem determination” and contact your IBM support center.

### 00940008

#### Explanation

An internal error has occurred.

#### System action

The current execution unit terminates with completion code X'5C6', and the queue manager terminates.

#### System programmer response

Collect the items listed in “Connection manager problem determination” and contact your IBM support center.

Restart your queue manager.

## Connection manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels



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## Message manager codes (X'A3')

If a message manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Message manager problem determination" and contact your IBM support center.

**00A30001, 00A30002, 00A30042, 00A30052, 00A30053,  
00A30054, 00A30061, 00A30062, 00A30064, 00A30065,  
00A30066, 00A31000**

### Explanation

An internal error has occurred while processing a command.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" and contact your IBM support center.

## Message manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error (including any command that was being issued), or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

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## Batch adapter codes (X'C2')

**00C20001**

### Explanation

The CSQBSRV program has detected a request for a nonexistent function. CSQBSRV is invoked from batch and RRS-batch applications via a stub such as CSQBSTUB, CSQBRRSI, or CSQBRSTB.

### System action

The application program ends abnormally, but MQ continues processing.

## System programmer response

The most likely cause of this problem is incompatible versions of CSQBRSV and the stub. If this is not the cause of the problem, obtain the diagnostic items listed below, and contact your IBM support center.

- Application program listing
- Queue manager job log
- PSW and registers at point of failure

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## Coupling Facility codes (X'C5')

If a coupling facility reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center. Restart the queue manager if necessary.

### 00C5004F

#### Explanation

This reason code is issued in message CSQM090E when a command has failed. It indicates that a request has been issued for a CF structure, but the request cannot be performed, as explained in the accompanying more specific message.

#### Severity

4

#### System action

The command is ignored.

#### System programmer response

Refer to the description of the accompanying message.

### 00C51001, 00C51004, 00C51005, 00C51006, 00C5100A, 00C51019, 00C5101A, 00C5101B, 00C5101C, 00C5001D

#### Explanation

An internal error has occurred.

#### System action

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

#### System programmer response

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51021, 00C51022, 00C51023, 00C51024, 00C50025,  
00C51026, 00C51027, 00C51028, 00C51029, 00C5002A,  
00C5102B, 00C5102C, 00C5102D, 00C5102E, 00C5002F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C50030, 00C51031, 00C51032, 00C51033, 00C51034,  
00C50035, 00C51036, 00C51037, 00C51038, 00C51039,  
00C5003A, 00C5103B, 00C5103C, 00C5103D, 00C5103E,  
00C5003F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C50040, 00C51041, 00C51042, 00C51043, 00C51044,  
00C50045, 00C51046, 00C51047**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in “Coupling facility problem determination” on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C50050, 00C51051, 00C51052, 00C51053, 00C51054,  
00C50055, 00C51056**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in “Coupling facility problem determination” on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51090, 00C51092, 00C51093**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in “Coupling facility problem determination” on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C510A1, 00C510A2, 00C510A3, 00C510A4, 00C500A5,  
00C510A6, 00C510A7, 00C510A8, 00C510A9, 00C500AA**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

## **00C510AB**

### **Explanation**

The CF structure has failed or connection to it has been lost.

### **System action**

This may be issued in response to a command, in which case processing of the command is terminated. Otherwise, the current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Restart the queue manager if necessary. Recover the structure; if the error occurred in response to a command, reissue it.

## **00C510AC, 00C510AD**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51100, 00C51101, 00C51102, 00C51103, 00C51104,  
00C51105, 00C51106, 00C51107, 00C51108, 00C51109,  
00C5110A, 00C5110B, 00C5110C, 00C5110D, 00C5110E,  
00C5110F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51110, 00C51111, 00C51112, 00C51113, 00C51114,  
00C51115, 00C51116, 00C51117, 00C51118, 00C51119,  
00C5111A, 00C5111B, 00C5111C, 00C5111D, 00C5111E,  
00C5111F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51120, 00C51121, 00C51122, 00C51123, 00C51124,  
00C51125, 00C51126, 00C51127, 00C51128, 00C51129,  
00C5112A, 00C5112B, 00C5112C, 00C5112D, 00C5112E,  
00C5112F**

**Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51130, 00C51131, 00C51132, 00C51133, 00C51134,  
00C51135, 00C51136, 00C51137, 00C51138, 00C51139,  
00C5113A, 00C5113B, 00C5113C, 00C5113D, 00C5113E,  
00C5113F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51140, 00C51141, 00C51142, 00C51143, 00C51144,  
00C51145, 00C51146, 00C51147, 00C51148, 00C51149,  
00C5114A, 00C5114B, 00C5114C, 00C5114D, 00C5114E,  
00C5114F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51150, 00C51151, 00C51152, 00C51153, 00C51154,  
00C51155, 00C51156, 00C51157, 00C51158, 00C51159,  
00C5115A, 00C5115B, 00C5115C, 00C5115D, 00C5115E,  
00C5115F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51160, 00C51161, 00C51162, 00C51163, 00C51164,  
00C51165, 00C51166, 00C51167, 00C51168, 00C51169,  
00C5116A, 00C5116B, 00C5116C, 00C5116D, 00C5116E,  
00C5116F**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51170, 00C51171, 00C51172, 00C51173, 00C51174,  
00C51175, 00C51176, 00C51177, 00C51178, 00C51179,  
00C5117A, 00C5117B, 00C5117C, 00C5117D, 00C5117E,  
00C5117F**

**Explanation**

An internal error has occurred.



### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51180, 00C51181, 00C51182, 00C51183, 00C51184,  
00C51185, 00C51186, 00C51187, 00C51188, 00C51189,  
00C5118A, 00C5118B, 00C5118C, 00C5118D, 00C5118E,  
00C5118F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C51190, 00C51191, 00C51192, 00C51193, 00C51194,  
00C51195, 00C51196, 00C51197, 00C51198, 00C51199,  
00C5119A, 00C5119B, 00C5119C, 00C5119D, 00C5119E,  
00C5119F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511A0, 00C511A1, 00C511A2, 00C511A3, 00C511A4,  
00C511A5, 00C511A6, 00C511A7, 00C511A8, 00C511A9,  
00C511AA, 00C511AB, 00C511AC, 00C511AD, 00C511AE,  
00C511AF**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511B0, 00C511B1, 00C511B2, 00C511B3, 00C511B4,  
00C511B5, 00C511B6, 00C511B7, 00C511B8, 00C511B9,  
00C511BA, 00C511BB, 00C511BC, 00C511BD, 00C511BE,  
00C511BF**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511C0, 00C511C1, 00C511C2, 00C511C3, 00C511C4,  
00C511C5, 00C511C6, 00C511C7, 00C511C8, 00C511C9,  
00C511CA, 00C511CB, 00C511CC, 00C511CD, 00C511CE,  
00C511CF**

**Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511D0, 00C511D1, 00C511D2, 00C511D3, 00C511D4,  
00C511D5, 00C511D6, 00C511D7, 00C511D8, 00C511D9,  
00C511DA, 00C511DB, 00C511DC, 00C511DD, 00C511DE,  
00C511DF**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511E0, 00C511E1, 00C511E2, 00C511E3, 00C511E4,  
00C511E5, 00C511E6, 00C511E7, 00C511E8, 00C511E9,  
00C511EA, 00C511EB, 00C511EC, 00C511ED, 00C511EE,  
00C511EF**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

### **System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C511F0, 00C511F1, 00C511F2, 00C511F3, 00C511F4,  
00C511F5, 00C511F6, 00C511F7, 00C511F8, 00C511F9,  
00C511FA, 00C511FB, 00C511FC, 00C511FD, 00C511FE,  
00C511FF**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

**System programmer response**

Collect the items listed in "Coupling facility problem determination" on page 725 and contact your IBM support center.

Restart the queue manager if necessary.

**00C53000**

**Explanation**

The queue manager cannot use the administration structure because its size is less than the minimum that MQ requires.

**System action**

The queue manager terminates with completion code X'6C6'.

**System programmer response**

Increase the size of the administration structure. See message CSQE022E for more information.

**00C53001**

**Explanation**

The queue manager has detected a mismatch between the queue-sharing group creation timestamp in the DB2 tables and the creation timestamp associated with the structure name in message CSQE029E.

**System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

## System programmer response

Verify the queue manager, queue-sharing group and data-sharing group configuration and determine whether a queue manager has configured to connect to a different DB2 data-sharing group.

If the queue manager and queue-sharing group configuration is correct then the structure should be deallocated. Having verified that there are only failed-persistent connections remaining to the structure, deallocate it with the z/OS command

```
SETXCF FORCE,STRUCTURE,STRNAME=ext-struct-name
```

(In thi command, *ext-struct-name* is formed by prefixing the MQ structure name from message CSQE029E with the queue-sharing group name.)

## Coupling facility problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error (including any command that was being issued), or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels
- A dump of the coupling facility structure

---

## Message generator codes (X'C6')

### 00C60001

#### Explanation

MQ received return code X'20' when issuing a WTO request to display a console message. This means that there are no message buffers for either Multiple Console Support (MCS) or JES3, or there is a JES3 WTO staging area excess. The WTO request is terminated. The current console message and all subsequent informational console messages are ignored until the problem is corrected.

#### System action

A record is written to SYS1.LOGREC. A retry is requested and execution continues. MQ resumes issuing console messages when the condition is corrected.

### 00C60004

#### Explanation

The queue manager was unable to load the message table (CSQFMTAB).

### **System action**

The queue manager terminates.

### **System programmer response**

Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), that it is referenced correctly, and that all the libraries in the concatenation are APF authorized. Restart the queue manager.

## **00C60005**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated, and a dump is produced.

### **System programmer response**

Restart the queue manager.

Collect the following diagnostic items and contact your IBM support center:

- Queue manager job log
- System dump resulting from the error

## **00C60006**

### **Explanation**

The MQ utility program was unable to load its message table (CSQFSTAB).

### **System action**

The utility program ends abnormally.

### **System programmer response**

Check the console for messages indicating why CSQFSTAB was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and resubmit the job.

The utility program attempts to load this module from the library data sets under the STEPLIB DD statement of the utility address space.

## **00C60007**

### **Explanation**

The MQ CICS adapter was unable to load its message table (CSQFCTAB).

### **System action**

The MQ CICS adapter server task terminates.

### **System programmer response**

Check the console for messages indicating why CSQFCTAB was not loaded. Ensure that the message table is in the required library (SCSQANLx or SCSQSNLx, where x is your national language letter), and that it is referenced correctly.

CSQCSECV attempts to load this module from the library data sets under the STEPLIB DD statement of the CICS address space.

## **00C60008**

### **Explanation**

The MQ utility program was unable to load its message table (CSQFLTAB).

### **System action**

The utility program ends abnormally.

### **System programmer response**

Check the console for messages indicating why CSQFLTAB was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and resubmit the job.

The utility program attempts to load this module from the library data sets under the STEPLIB DD statement of the utility address space.

## **00C6000A**

### **Explanation**

The MQ early processing program was unable to load its message table (CSQ3ECMX).

### **System action**

The queue manager terminates.

### **System programmer response**

Ensure that the message table in the required library (SCSQSNLx, where x is your national language letter), and that it is referenced correctly, and re-ipl z/OS or use the z/OS command SETSSI ADD to restart the queue manager.

## **00C6000B**

### **Explanation**

The distributed queuing component was unable to load its message table (CSQFXTAB).

### **System action**

The channel initiator ends.

### **System programmer response**

Check the console for messages indicating why CSQFXTAB was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), that it is referenced correctly, and that all the libraries in the concatenation are APF authorized. Restart the channel initiator.

## **00C6000C**

### **Explanation**

The IMS trigger monitor was unable to load its message table (CSQFSTAB).

### **System action**

The trigger monitor ends.

### **System programmer response**

Check the console for messages indicating why CSQFSTAB was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and restart the trigger monitor.

---

## **Functional recovery manager codes (X'C7')**

### **00C70010**

#### **Explanation**

While trying to recover from an error, an internal consistency check indicated a storage overlay, or an internal error.

#### **System action**

Control is percolated to the z/OS recovery termination manager, and a dump is requested.

#### **System programmer response**

Retain the dump, and contact your IBM support center for assistance.

Restart the queue manager if necessary.

### **00C70020**

#### **Explanation**

A critical procedure recovery routine has ended abnormally, causing a secondary abnormal end.



### **System action**

Control is percolated to the z/OS recovery termination manager, and in some cases the queue manager terminates abnormally. A dump is produced for both the primary and secondary errors.

### **System programmer response**

Retain both dumps, and contact your IBM support center for assistance.

Restart the queue manager if necessary.

## **00C70030**

### **Explanation**

A request to z/OS to establish an ESTAE produced a non-zero return code.

### **System action**

A dump is requested.

### **System programmer response**

The return code from z/OS is captured in register 14. See the *MVS Assembler Services Reference* manual for an explanation of the return code.

## **00C70040**

### **Explanation**

This abnormal end reason code was caused by an internal MQ error.

### **System action**

Control is percolated to the z/OS recovery termination manager, and a dump is requested.

### **System programmer response**

Retain the dump, and contact your IBM support center for assistance.

Restart the queue manager if necessary.

---

## **Security manager codes (X'C8')**

If a security manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80001

### Explanation

An attempt to obtain storage for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

### System programmer response

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use these items to diagnose the cause of the problem:

- Queue manager job log
- Information about any other storage-related problems
- System dump resulting from the error

## 00C80002

### Explanation

An attempt to obtain storage for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

### System programmer response

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use these items to diagnose the cause of the problem:

- Queue manager job log
- Information about any other storage-related problems
- System dump resulting from the error

## 00C80003

### Explanation

An attempt to obtain a storage subpool for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

### **System programmer response**

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use these items to diagnose the cause of the problem:

- Queue manager job log
- Information about any other storage-related problems
- System dump resulting from the error

## **00C80004**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated, and a dump is produced.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

Restart the queue manager.

## **00C8000A**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C8000B

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the external security manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C8000C

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C8000D

### Explanation

An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during security switch processing at queue manager initialization time:

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### **System action**

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### **System programmer response**

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C8000E**

### **Explanation**

An unexpected setting for the subsystem security switch was encountered.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

## **00C8000F**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class involved at the time of the error.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C80010

### Explanation

An attempt to obtain storage for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### System programmer response

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## 00C80011

### Explanation

An attempt to obtain a storage subpool for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### System programmer response

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## 00C80012

### Explanation

An attempt to obtain storage for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### **System programmer response**

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## **00C80013**

### **Explanation**

An internal error has occurred while processing a security request.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80020**

### **Explanation**

An attempt to obtain storage for the security manager was unsuccessful.

**Note:** This could indicate a system-wide storage problem.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### **System programmer response**

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## 00C80024

### Explanation

An internal error has occurred while processing a command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80025

### Explanation

An internal error has occurred while processing a command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80026

### Explanation

An internal error has occurred while processing a command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80027

### Explanation

An unrecognized keyword was encountered whilst processing a REFRESH SECURITY command.



### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the keyword causing the problem.

### **System programmer response**

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80028**

### **Explanation**

An attempt to obtain a storage subpool for the security manager was unsuccessful. This might have occurred during the processing of an ALTER SECURITY command, a REFRESH SECURITY command, or during the automatic security timeout processing.

**Note:** This could indicate a system-wide storage problem.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### **System programmer response**

Use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## **00C80029**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80031

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during the processing for a REFRESH SECURITY command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80032

### Explanation

An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during the processing of a REFRESH SECURITY command:

- RACROUTE REQUEST=LIST (create)
- RACROUTE REQUEST=LIST (delete)
- RACROUTE REQUEST=STAT

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the return codes from SAF, and the ESM.

**Note:** If the error occurred on a STAT call, the error is preceded by a CSQH004I message containing the return codes from SAF, and the ESM.

### System programmer response

See your ESM documentation for information about the return codes from SAF and the ESM. See the WebSphere MQ for z/OS System Setup Guide information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80033

### Explanation

An unexpected setting for the subsystem security switch was encountered during the processing of a REFRESH SECURITY command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

## 00C80034

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the class invoked at the time of the check.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80035

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect

the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80036

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80037

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during the processing for a REFRESH SECURITY command.

### System action

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80038

### Explanation

An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during the processing of a REFRESH SECURITY command.

- RACROUTE REQUEST=LIST (create)

- RACROUTE REQUEST=LIST (delete)
- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=STAT

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the address of the return codes from SAF, and the ESM.

**Note:** If the error occurred on a STAT call, the error is preceded by a CSQH004I message containing the return codes from SAF, and the ESM.

### **System programmer response**

See your ESM documentation for information about the return codes from SAF and the ESM. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80039**

### **Explanation**

An attempt to obtain a storage subpool for a security manager user entry block was unsuccessful. This could have occurred during either security timeout processing, or REFRESH SECURITY command processing.

**Note:** This could indicate a system-wide storage problem.

### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

### **System programmer response**

Use the items listed in "Security manager problem determination" on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

## **00C80040**

### **Explanation**

A severe error has occurred during security timeout processing. An unexpected return code has been received from the MQ timer component.

**Note:** This could indicate a system-wide problem with the timer component, or the system timer.

## System action

Messages CSQH009I and CSQH010I are issued. The current execution unit terminates with a completion code of X'5C6', and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

## System programmer response

Use the items listed in "Security manager problem determination" on page 762, together with information about any other timer-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

# 00C80041

## Explanation

A severe error has occurred during security timeout processing for an ALTER SECURITY command. An unexpected return code has been received from the MQ timer component.

**Note:** This could indicate a system-wide problem with the timer component, or the system timer.

## System action

Message CSQH010I is issued. The current execution unit terminates with a completion code of X'5C6' and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

## System programmer response

Use the items listed in "Security manager problem determination" on page 762, together with information about any other timer-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

# 00C80042

## Explanation

A severe error has occurred during security initialization when trying to start the security timer. An unexpected return code has been received from the MQ timer component.

**Note:** This could indicate a system-wide problem with the timer component, or the system timer.

## System action

Message CSQH010I is issued. The queue manager terminates and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

## **System programmer response**

Use the items listed in “Security manager problem determination” on page 762, together with information about any other timer-related problems, to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

### **00C80043**

#### **Explanation**

A severe error has occurred whilst processing a DISPLAY SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

#### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

### **00C80044**

#### **Explanation**

A severe error has occurred whilst processing an ALTER SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

#### **System action**

The current execution unit terminates with a completion code of X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

### **00C80045**

#### **Explanation**

A severe error has occurred because the last security refresh did not complete successfully.

#### **System action**

The current execution unit terminates with error reason code X'5C6', and a dump is produced.

## System programmer response

If you are able to fix the cause of the problem, you must refresh the security again before you can continue. If you are unable to solve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

### 00C80046

#### Explanation

An attempt to obtain a storage subpool for the security manager Utoken blocks was unsuccessful.

This indicates that there could be a wider ranging problem relating to storage availability.

#### System action

The queue manager is terminated and a dump is produced.

#### System programmer response

Use the items listed in “Security manager problem determination” on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem.

### 00C80047

#### Explanation

An attempt to obtain a storage block for a security manager Utoken block was unsuccessful.

This indicates that there could be a wider ranging problem relating to storage availability.

#### System action

The current execution unit terminates with X'5C6' and a dump is produced.

#### System programmer response

Use the items listed in “Security manager problem determination” on page 762, together with information about any other storage-related problems, to diagnose the cause of the problem. Contact your IBM support center if you need help.

### 00C80050

#### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.



### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80051**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80052**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80053

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### System action

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### System programmer response

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80054

### Explanation

An unexpected setting for the subsystem security switch was encountered.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

Restart the queue manager.

## 00C80055

### Explanation

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## **00C80060**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## **00C80061**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80062

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80063

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### System action

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### System programmer response

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80064

### Explanation

An unexpected setting for the subsystem security switch was encountered.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### **System programmer response**

Collect the items listed in "Security manager problem determination" on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

Restart the queue manager.

## **00C80065**

### **Explanation**

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## **00C80070**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80071

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80072

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80073

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### **System action**

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### **System programmer response**

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C80074**

### **Explanation**

An unexpected setting for the subsystem security switch was encountered.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

## **00C80075**

### **Explanation**

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C80080

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80081

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80082

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.



## System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80083

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### System action

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### System programmer response

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80084

### Explanation

An unexpected setting for the subsystem security switch was encountered.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### System programmer response

Collect the items listed in “Security manager problem determination” on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

## 00C80090

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80091

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80092

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

## System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80093

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### System action

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

## System programmer response

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80094

### Explanation

An unexpected setting for the subsystem security switch was encountered.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

## System programmer response

Collect the items listed in “Security manager problem determination” on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

Restart the queue manager.

## 00C80095

### Explanation

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C80100

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## 00C80101

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

## System programmer response

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80102

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80103

### Explanation

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### System action

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### System programmer response

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## 00C80104

### Explanation

An unexpected setting for the subsystem security switch was encountered.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

Restart the queue manager.

## 00C80105

### Explanation

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C80200

### Explanation

A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### System action

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### System programmer response

See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required

classes are installed and active). If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C80201**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C80202**

### **Explanation**

A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

### **System programmer response**

See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C80203**

### **Explanation**

An unexpected return code has been received from one of the following SAF calls to the External Security Manager (ESM) during security switch processing at queue manager initialization time.

- RACROUTE REQUEST=EXTRACT

- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

### **System action**

Message CSQH004I is produced containing the return codes from SAF and the ESM. The queue manager is terminated, and a dump is produced. Register 2 contains the address of the return codes.

### **System programmer response**

See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the WebSphere MQ for z/OS System Setup Guide for information about setting MQ security switches. If you are unable to resolve the problem, collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

## **00C80204**

### **Explanation**

An unexpected setting for the subsystem security switch was encountered.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762, together with a note of what you expected the switch to be set to, and whether you had defined a profile for it or not, and contact your IBM support center.

Restart the queue manager.

## **00C80205**

### **Explanation**

An internal loop count was exceeded during security switch processing at queue manager initialization time.

### **System action**

The queue manager is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

### **System programmer response**

Collect the items listed in “Security manager problem determination” on page 762 and contact your IBM support center.

Restart the queue manager.



## 00C80206

### Explanation

An unexpected setting for the request type was encountered on an authentication request.

### System action

The current execution unit terminates with a completion code of X'5C6' and a dump is produced. Register 2 contains the request type in error.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C80207

### Explanation

An unexpected setting for the request type was encountered on an authentication request.

### System action

The queue manager terminates and a dump is produced. Register 2 contains the request type in error.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

Restart the queue manager.

## 00C81000

### Explanation

A severe error has occurred while processing a REFRESH SECURITY command.

### System action

The current execution unit terminates with error reason code X'5C6', and a dump is produced. Register 2 contains the address of the control block involved in the error.

### System programmer response

Collect the items listed in "Security manager problem determination" on page 762 and contact your IBM support center.

## Security manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- The SECURITY command issued prior to the error

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## Data manager codes (X'C9')

If a data manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

### 00C90100

#### Explanation

The object MQ was trying to create was too large to be stored.

#### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

### 00C90200

#### Explanation

A page set page retrieved was not valid.

#### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90201

### Explanation

A page set page retrieved was not valid. The page was not a header page.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90202

### Explanation

A page set page retrieved was not valid. The page was not a data page.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90300

### Explanation

MQ was unable to start a unit of recovery for this execution unit.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90301

### Explanation

An internal logging error has occurred for the current execution unit.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

**00C90400****Explanation**

The data manager has detected in invalid log record.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

**00C90401****Explanation**

The data manager has detected an invalid log record subtype.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

**00C90500****Explanation**

The data manager was asked to make a change to some data in a page, but the change would have extended beyond the specific data item.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

## **System programmer response**

Collect the items listed in “Data manager problem determination” on page 785 and contact your IBM support center.

### **00C90600**

#### **Explanation**

The data manager was unable to locate a specific logical record within a data page. The record was required for an update, or to insert a new record immediately after.

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in “Data manager problem determination” on page 785 and contact your IBM support center.

### **00C90700**

#### **Explanation**

The data manager was unable to locate its *resource access list entry* (RALE).

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in “Data manager problem determination” on page 785 and contact your IBM support center.

### **00C90800**

#### **Explanation**

The data manager was requested to put a message on a queue, but told to give the message an invalid priority.

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in “Data manager problem determination” on page 785 and contact your IBM support center.

## 00C90900

### Explanation

The data manager was asked to retrieve a logical record from a page, but on retrieving it discovered that the record is invalid.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90A00

### Explanation

The data manager was asked to carry out a value logging operation with an invalid length field.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90B00

### Explanation

The space reclamation routines have been asked to deallocate a page that is not in a state to be deallocated.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90C00

### Explanation

An object type description passed to the data manager is not valid.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90D00

### Explanation

A page set that was originally page set n is being presented as being a different page set, probably because the started task JCL procedure for the queue manager has been changed. Register 0 contains the identifier of the page set in error, and register 2 contains the identifier it was previously associated with.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Check the started task JCL procedure for the queue manager, and undo any changes to the CSQPnnnn DD statements that specify the page sets. Restart the queue manager. If the problem persists, or no changes have been made to these statements, collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90D01

### Explanation

Your data set is not recognized as an MQ page set. This is probably because it has not been formatted.

Register 0 contains the identifier of the page set in error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Format the page set.

## 00C90D02

### Explanation

This reason code is caused by one of the following:

- An attempt to use a page set that is a valid MQ page set, but does not belong to this queue manager
- An attempt to change the subsystem name

Neither of these actions is allowed.

Register 0 contains the identifier of the page set in error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

If you were attempting to use a page set from another queue manager, correct the error. Do not attempt to change the name of your queue manager.

## 00C90D03

### Explanation

An internal error has occurred during processing of an MQGET call with the Mark Skip Backout option.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C90D04

### Explanation

During restart, the queue manager detected that a page set has been truncated. This is probably because the data set allocated during restoration of a backup was smaller than required to hold the backed up data, and so the data has been truncated. It may also occur if page set 0 is larger than the maximum supported page set size.

### System action

The identifier of the page set in error is put in register 0. Restart is terminated.



## **System programmer response**

Reallocate the data set correctly, restore the backed up data if necessary, and restart the queue manager.

## **00C90E00**

### **Explanation**

The data manager was passed an invalid parameter describing the location of a logical record within a data page and page set.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## **00C90F00**

### **Explanation**

The data manager was requested to update a logical record within a page, but the record had been deleted previously.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## **00C91000**

### **Explanation**

The data manager was asked to retrieve a message from an object that was not a local queue.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91101

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91102

### Explanation

MQ received a return code indicating an error from the RRS ATRSROI service.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

The return code from ATRSROI is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

## 00C91104

### Explanation

The data manager was requested to carry out a browse message operation, but the required lock was not held.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91200

### Explanation

The internal data manager locate-object routine could not find the object it was seeking during UNDO processing.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## **00C91300**

### **Explanation**

During queue manager startup, an attempt was made to recover an object, the length of which exceeds a single data page. However, one of the intermediate data pages was not available, and MQ was unable to recover the object.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## **00C91400**

### **Explanation**

The data manager was unable to access the header page (page 0) of one of the page sets.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced. The number of the page set whose header page was unreadable is held in register 2.

### **System programmer response**

1. Check for a preceding IEC161I or CSQP011E message relating to page set mentioned in register 2.
2. Check the following:
  - For the page set mentioned in register 2, is the appropriate CSQPnnnn DD statement present in the started task JCL procedure for the queue manager, xxxxMSTR?
  - Does this DD statement reference a genuine data set? DD DUMMY statements are not allowed for page sets.
  - Is DEFINE PSID(nn) present in the CSQINP1 initialization input data set?
3. If you are still unable to resolve the problem, collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91500

### Explanation

During queue manager startup, the data manager was following a chain of objects on disk, and requested the next data page in the chain from the buffer manager. However, the buffer manager could not supply this page.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91600

### Explanation

During restart, the data manager rebuilds its in-storage structures from page set data. On rebuilding an object, data manager discovered that the object already exists.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91700, 00C91800

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91900

### Explanation

During restart, data manager has detected an error in the rebuild of its in-storage object structures.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91B01

### Explanation

During restart, the data manager found a queue whose messages are apparently located in a newly added page set. This is probably because the queue manager was run with a page set offline, and a new page set was formatted to replace the original one. This will lead to data loss.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91C00

### Explanation

A delete purge request has been issued but the object type is not a local queue.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91D00

### Explanation

A lock request has failed during an attempt to lock all pages associated with a long catalogue object, or a long message.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91E00

### Explanation

During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a page level lock was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C91F00

### Explanation

During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a record level lock was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92000

### Explanation

An attempt to obtain a page level lock on the owner page relating to an object or message was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92100

### Explanation

An attempt to obtain a page level lock while trying to insert data was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92200

### Explanation

An attempt to obtain a record level lock while trying to insert data was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92300

### Explanation

An attempt to obtain a record level lock while trying to amend data was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92400

### Explanation

An attempt to get a lock on object type concatenated with object name within CSQIMGE1 was unsuccessful.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C92500, 00C92600, 00C92700, 00C92800, 00C92900, 00C92A00, 00C92B00, 00C92C00, 00C92D00, 00C92E00, 00C92F00, 00C93000

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.



## 00C93100

### Explanation

A keyed read queue has encountered an error. A problem has occurred in the hash-table structure for the queue.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93200, 00C93300

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93500

### Explanation

MQ was extending a page set at startup, based on log records from earlier dynamic page set extend operations. (MQ does this so that any media recovery operation will have the required number of pages available in the page set.)

The page set could not be extended to the required RBA value.

The contents of the relevant registers are as follows:

- R0 The number of the page set that could no longer be extended
- R2 The logged page number that MQ was trying to extend to
- R3 The high page number at restart. This is the base from which MQ was extending.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

## System programmer response

Create a larger page set, using multiple disk volumes if required, with a larger secondary extent value. The high page number of the page set should at least match that shown in register 2 in the dump.

## 00C93700

### Explanation

A queue contains messages, but the storage class named in the queue definition does not exist. This is an error.

This reason code is issued on queue manager restart if it is *not* the first time the queue manager has been started after migration to a new version.

Register 2 contains the first 4 characters of the storage class name, and register 3 contains characters 5 through 8.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the dump and a listing of your page set 0 and contact your IBM support center.

## 00C93800

### Explanation

A queue contains messages, which are on a page set other than that defined by the storage class named by the queue.

This reason code is issued on queue manager restart if it is *not* the first time the queue manager has been started after migration to a new version. It is preceded by one or more instances of message CSQI028E.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the dump and a listing of your page set 0 and contact your IBM support center.

## 00C93900

### Explanation

During MQPUT processing, MQ was unable to acquire a lock on the storage class of the queue.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93A00

### Explanation

During MQGET processing, MQ was unable to acquire a lock on the queue it was processing.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93B00

### Explanation

During MQPUT processing, MQ was unable to acquire a lock on the queue it was processing.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93C00

### Explanation

During MQGET processing, MQ was unable to retrieve a message page from a queue it was processing.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C93D00, 00C93E00, 00C93F00, 00C94000, 00C94100

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C94200

### Explanation

MQ received a return code indicating an error from the RRS ATREINT service. This can occur if RRS is stopped when running an MQ application linked with an RRS stub.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

The return code from ATREINT is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

## 00C94300

### Explanation

MQ received a return code indicating an error from the RRS ATRSIT service.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

The return code from ATRSIT is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

## 00C94400

### Explanation

MQ received a return code indicating an error from the RRS ATRSPID service.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

The return code from ATRSPID is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

## 00C94500, 00C94501, 00C94502

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C94503

### Explanation

A page set that has been the subject of the RESETPAGE function had not previously been through a clean shutdown of the queue manager. Using this page set for subsequent MQ processing would lead to data integrity problems.

## System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

## System programmer response

Check the page sets that are defined to the queue manager. One or more of the page sets has been the subject of a RESETPAGE operation. The RESETPAGE operation should not be run against page sets that are either of the following:

- Fuzzy page set backups
- From a queue manager that has terminated abnormally

If you are unable to solve the problem, collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C94505

### Explanation

An internal error has occurred.

An attempt to restart with a log from another queue manager was detected. The queue-sharing group name recorded in the log during checkpoint does not match the name of the queue-sharing group in the queue manager using that log. If the correct log is being used, you can perform the change only after a clean shutdown of the queue manager, that is, after a quiesce.

Message CSQI060E is issued before this error occurs.

### System action

Restart is terminated abnormally with completion code X'5C6' and a dump is produced.

### System programmer response

Restart the queue manager using the correct logs and BSDS, or change the QSGDATA system parameter. Note that you cannot change the name of the queue-sharing group that a queue manager uses unless it has been shut down normally.

The following registers in the dump contain helpful values:

- R0 = the queue-sharing group name recorded in the log
- R2 = the queue-sharing group name in the running queue manager

## 00C94506

### Explanation

An internal error has occurred.

An attempt to restart with a log from another queue manager was detected. The shared queue manager identifier recorded in the log during checkpoint does not

match the shared queue manager identifier in the queue manager using that log. If the correct log is being used, the entry in the DB2 CSQ.ADMIN\_B\_QMGR table for this queue manager has been corrupted.

Message CSQI061E is issued before this error occurs.

### **System action**

Restart is terminated abnormally with completion code X'5C6' and a dump is produced.

### **System programmer response**

Restart the queue manager using the correct logs and BSDS. If the correct logs are being used, correct the entry for the queue manager in the DB2 CSQ.ADMIN\_B\_QMGR table. If you cannot resolve the problem, contact your IBM support center for assistance.

The following registers in the dump contain helpful values:

- R0 = the queue manager identifier recorded in the log
- R2 = the queue manager identifier in the running queue manager

## **00C94507**

### **Explanation**

An internal error has occurred during processing of Mark Skip Backout.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## **00C94510**

### **Explanation**

A request was made to a Coupling Facility resource manager service within MQ. The Coupling Facility resource manager service returned an unexpected return code.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C94511

### Explanation

An attempt to obtain storage for the data manager's use was unsuccessful. This indicates there could be a wider-ranging problem relating to storage availability.

### System action

The queue manager is terminated and a dump is produced.

### System programmer response

Check that you are running with the recommended region size, and if not, reset your system and restart the queue manager. If this is not the cause, use these items to diagnose the cause of the problem:

- Queue manager job log
- Information about any other storage-related problems
- System dump resulting from the error

## 00C94512

### Explanation

A request was made to a DB2 resource manager service within MQ. The DB2 resource manager service returned an unexpected return code.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.

## 00C94513

### Explanation

A request was made to a Coupling Facility resource manager service within MQ. The Coupling Facility resource manager service returned an unexpected return code.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" on page 785 and contact your IBM support center.



## 00C9451A

### Explanation

A request was made to a DB2 resource manager service within MQ during restart. The DB2 resource manager service returned an unexpected return code related to a locked table condition.

### System action

The queue manager terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Restart the queue manager. If you started several queue managers at the same time, try restarting them one at a time to alleviate this condition.

If the problem persists, collect the items listed in "Data manager problem determination" and contact your IBM support center.

## 00C9FEEE

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "Data manager problem determination" and contact your IBM support center.

## Data manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

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## Recovery log manager codes (X'D1')

If a recovery log manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Recovery log manager problem determination" on page 812 and contact your IBM support center.

### 00D10010

#### Explanation

The end log range value specified on an invocation of the log print utility (CSQ1LOGP) is less than or equal to the start range value.

#### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

#### System programmer response

Correct the log range input control parameters specified in the invocation of the log print utility.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

### 00D10011

#### Explanation

An invocation of the log print utility (CSQ1LOGP) was unable to obtain the storage required to perform the request.

#### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

#### System programmer response

It is probable that the REGION parameter on the EXEC statement of the job control language (JCL) for this invocation is too small. Increase the REGION size, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

### 00D10012

#### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the job control language (JCL) for this invocation did not specify either the use of the

bootstrap data set (BSDS) or, in the absence of the BSDS, the active or archive log data sets.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Correct the JCL and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D10013**

### **Explanation**

An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM error while attempting to open the bootstrap data set (BSDS).

This reason code, and the VSAM return code are issued with message CSQ1221E.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* to determine the meaning of the VSAM OPEN error. Take appropriate action, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D10014**

### **Explanation**

The job control language (JCL) for an invocation of the log print utility (CSQ1LOGP) specified the use of the bootstrap data set (BSDS), but the utility control statements did not specify values for RBASTART and RBAEND.

The RBASTART and RBAEND values must be specified when using the BSDS, although they are not required when using the active or archive logs.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

## System programmer response

Either:

- Continue to use the BSDS, but change the utility control statements to specify values for RBASTART and RBAEND
- Change the JCL to use the active and archive data sets instead

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10015

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the record format of the bootstrap data set is incompatible with this release of the log print services.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Ensure that the correct release of the log print services are used with the appropriate BSDS record format.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10019

### Explanation

An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM error while attempting to open the bootstrap data set (BSDS). The error was determined to be one which could be corrected by use of a VSAM access method services (AMS) VERIFY call, but the VERIFY call was also unsuccessful.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) that was used to invoke the log print utility (CSQ1LOGP)
- The log data sets that the user was attempting to print

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10020

### Explanation

The log print utility (CSQ1LOGP) issued this message because the end of data has been reached (that is, the end of the log, or the end of the user-specified data sets, or the user-specified RBAEND value has been reached).

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

This is not an error. This reason code denotes a normal end of data condition. No action is necessary.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10021

### Explanation

An invocation of the log print utility (CSQ1LOGP) encountered a gap in the log RBA range when switching log data sets. This indicates that log records might be missing.

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE DDnames (or the BSDS DDname if you are using the bootstrap data set (BSDS) to access the log data sets) in the job control language (JCL) used to invoke the utility. If a log data set was removed from the JCL, this condition will arise.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

If the log data set was not removed intentionally, check the JCL to ensure that the log data sets are specified in ascending RBA value order. If you are using the BSDS to access the log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges as recorded in the BSDS, and note any RBA gaps that might have resulted from the deletion of an active or archive log data set.

If it appears that a log error might have occurred, see the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

## 00D10022

### Explanation

An invocation of the log print utility (CSQ1LOGP) encountered a gap in the log RBA range when switching log data sets. This indicates that log records might be missing. The log RBA of the next record following the gap is greater than the RBAEND value specified in the utility control statements.

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE DDnames (or the BSDS DDname if using the bootstrap data set (BSDS) to access the log data sets) in the job control language (JCL) used to invoke the utility. If a log data set was removed from the JCL, this condition will arise.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Check the JCL and the RBAEND value specified in the utility control statements.

If a log data set was not removed intentionally, check that the log data sets are specified in ascending RBA value order. If using the BSDS to access log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges as recorded in the BSDS, and note any RBA gaps that might have resulted from the deletion of an active or archive log data set.

If it appears that a log error might have occurred, see the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

## 00D10024

### Explanation

An invocation of the log print utility (CSQ1LOGP) encountered a log RBA sequence error. The RBA of the previous log record is greater than the RBA of the current log record.

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE DDnames (or the BSDS DDname if using the bootstrap data set (BSDS) to access the log data sets) in the job control language (JCL) used to invoke the utility. If a log data set appears out of sequence, this condition will arise.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Check the JCL to ensure that the log data sets are specified in ascending RBA value order. If using the BSDS to access the log data sets, use the print log map utility

(CSQJU004) to examine the RBA ranges associated with each archive and active log data set. If both archive and active log data sets are used, the first archive log data set must contain the lowest log RBA value. If necessary, adjust the concatenation of the archive and active log data sets in the JCL to ensure that log records are read in ascending RBA sequence, and resubmit the log print request.

If it appears that a log error might have occurred, see the WebSphere MQ for z/OS System Administration Guide for information about dealing with problems on the log.

## 00D10025

### Explanation

An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM GET error while attempting to read the active log data set.

This reason code, and the VSAM return and reason codes are issued in message CSQ1221E.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* to determine the meaning of the VSAM GET error and the RPL error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10026

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value within the range specified by RBASTART and RBAEND could not be located on a log data set.

This reason code, and the RBA value that could not be located are issued with message CSQ1216E

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Check the utility control statements to ensure that the RBASTART and RBAEND values have not exceeded the lower or upper bounds of the RBAs available on all the active or archive log data sets defined by DDnames in the JCL.

If you are using the BSDS to access the log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges associated with each archive and active log data set.

Correct the JCL and utility control statements as necessary, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10027

### Explanation

An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM GET error while attempting to read the bootstrap data set (BSDS).

This reason code, and the VSAM return and reason codes, are issued with message CSQ1221E.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM GET error and the RPL error code. Take appropriate action to correct the error and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D1002A

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set.

This reason code, and the VSAM return and reason codes, are issued in message CSQ1221E.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.



## System programmer response

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration Guide*.

## 00D1002B

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was determined to be one that could be corrected, however, a system error occurred while executing a z/OS TESTCB macro to determine whether the active log data set in question was a VSAM ESDS (entry-sequenced data set) or a VSAM LDS (linear data set).

This reason code, and the VSAM return and reason codes are issued in message CSQ1221E.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data sets that the user was attempting to print

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration Guide*.

## 00D1002C

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in a active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was determined to be one which could be corrected by use of a VSAM access method services (AMS) VERIFY call, but the VERIFY call was unsuccessful.

This reason code, and the VSAM return and reason codes are issued with message CSQ1221E.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D1002D**

### **Explanation**

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was corrected by use of a VSAM access method services (AMS) VERIFY call, but a subsequent attempt to reposition the VSAM pointer back to the beginning of the active log data set (using the VSAM AMS POINT call) was unsuccessful.

This reason code and the VSAM return and reason codes are issued with message CSQ1221E.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take the appropriate action to correct the error, and resubmit the print log request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D10030**

### **Explanation**

An invocation of the log print utility resulted in an internal error.

## System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

## System programmer response

Collect the following items, and contact your IBM support center:

- A copy of the job control language (JCL) used to invoke the log print utility
- The log data sets that the user was attempting to print

## 00D10031

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in a log data set that has previously not been opened. The job control language (JCL) has specified that the bootstrap data set (BSDS) be used as the guide to determine which data sets are required. An attempt to allocate the appropriate data set dynamically (using z/OS SVC 99) was unsuccessful.

This reason code, and the dynamic allocation information and error codes (S99INFO and S99ERROR) are issued with message CSQ1222E.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Refer to the *MVS Authorized Assembler Services Guide* manual to determine the meaning of the SVC 99 information and error codes. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *WebSphere MQ for z/OS System Administration Guide*.

## 00D10040

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an archive log data set (on tape) that has previously not been opened. An attempt was made to open the second file on the archive log tape (the first file normally contains the bootstrap data set) but this was unsuccessful because the archive log data set was not the second file on the archive log tape. The read job file control block (RDJFCB) macro was then invoked to attempt to change the data set sequence number from the default value of 2 to a value of 1, before attempting to open the second file again, but the macro invocation resulted in an error.

This reason code, and the RDJFCB return code are issued in message CSQ1223E.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Refer to the *MVS/ESA DFP System Programming Reference* manual to determine the meaning of the RDJFCB error code. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D10044**

### **Explanation**

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an archive log data set that has previously not been opened. An attempt to open the archive log data set resulted in a QSAM (queued sequential access method) error.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Check the console for messages indicating the cause of the QSAM error. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## **00D10048**

### **Explanation**

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because a QSAM (queued sequential access method) GET error occurred while reading an archive log data set.

### **System action**

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

Check the console for messages indicating the cause of the QSAM error. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10050

### Explanation

An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the bootstrap data set (BSDS) was erroneously specified as one of the archive data sets in the job control language (JCL).

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set.

### System programmer response

Examine the JCL, and remove the occurrence of the BSDS data set as one of the concatenated ARCHIVE data sets. Resubmit the log print request.

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10061

### Explanation

An invocation of the log print utility (CSQ1LOGP) succeeded, but an unexpected physical record length was encountered for the log record control interval (CI) for an active or archive log data set.

The data on the log data set might have been corrupted after it was written by MQ. The data in the log data set might still be usable, but with caution.

The length of a log CI in an active log data set is expected to be 4089 bytes. The length of a log CI in an archive log data set is expected to be 4096 bytes.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

### System programmer response

Ensure that the ACTIVE and ARCHIVE DDnames in the job control language (JCL) refer to active and archive logs correctly.

If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data set that the user was trying to print

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10062

### Explanation

An invocation of the log print utility (CSQ1LOGP) succeeded, but the first log record segment could not be found for a middle spanned log record segment.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

### System programmer response

Several possibilities exist for the cause of this condition:

- The recovery log manager component of MQ did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by MQ
- The application program continued to process after being informed about a gap in the log RBA values (reason code X'00D10021')

Determine if the LRH of the log record segment is truly in error by looking at the record segments directly preceding and after the record segment in question.

Take the appropriate action to correct the error, and resubmit the log print request. If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data set that the user was attempting to print

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10063

### Explanation

An invocation of the log print utility (CSQ1LOGP) succeeded, but the first log record segment could not be found for a last spanned log record segment.

### System action

No error is issued by log services, and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

### System programmer response

Several possibilities exist for the cause of this condition:

- The recovery log manager component of MQ did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by MQ
- The application program continued to process after being informed about a gap in the log RBA values (reason code X'00D10021')

Determine if the LRH of the log record segment is truly in error by looking at the record segments directly before and after the record segment in question.

Take the appropriate action to correct the error, and resubmit the log print request. If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data set that the user was attempting to print

For more information about log services, refer to the WebSphere MQ for z/OS System Administration Guide.

## 00D10114

### Explanation

MQ failed to read or write member information in the queue sharing group table, ADMIN\_B\_QSG.

### System action

Queue manager initialization terminates.

### System programmer response

Investigate DB2 SQL errors reported in the queue manager job log immediately preceding this error, to determine the cause. It is most likely due to incorrect table setup, plans not bound or insufficient authority to execute DB2 plans.

## 00D10250

### Explanation

An unrecoverable error occurred while updating either the BSDS or the z/OS catalog to reflect changes in active log data sets.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager then terminates abnormally.

### System programmer response

Obtain the SYS1.LOGREC and SVC dump. Correct the error, and restart the queue manager.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. In addition, see the description of

reason code X'00D10252' for details of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA).

Examine the console log for a CSQJxxxx message preceding this error to determine whether the error was a BSDS error or a z/OS catalog update error. If you cannot resolve the problem, contact your support center.

## 00D10251

### Explanation

An unrecoverable error occurred in the log buffer writer.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager then terminates abnormally.

### System programmer response

Obtain the SYS1.LOGREC and the SVC dump. This error is usually caused by a previous error that was recorded on SYS1.LOGREC and produced an SVC dump. The SYS1.LOGREC entries and SVC dump should be examined to determine the primary error that occurred.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. In addition, see the description of reason code X'00D10252' for details of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA).

If you cannot resolve the problem, contact your support center.

## 00D10252

### Explanation

This reason code is used to define the format of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA).

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

### System programmer response

Obtain the SYS1.LOGREC and SVC dump.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. In addition, the following information is contained in the VRA of the SDWA:

- Reason code X'00D10252' stored with VRA key 6.
- The log buffer writer recovery tracking area is stored with VRA key 10.



## 00D10253

### Explanation

An application program check occurred in an MVCP instruction that attempted to move a parameter list or other data from the caller's address space to the queue manager address space.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

### System programmer response

Obtain the SYS1.LOGREC and SVC dump. You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem.

Examine the area from which data was to be moved. It might be in the wrong key, or the address might be the cause of the problem. The incorrect instruction has a DA opcode and indicates the registers showing address and length to be moved.

## 00D10254

### Explanation

An application program check occurred in an MVCS instruction that attempted to move data from the queue manager address space to the caller's address space.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

### System programmer response

Obtain the SYS1.LOGREC and SVC dump. You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem.

Examine the area to which data was to be moved. It might be in the wrong key, or the address might be the cause of the problem. The incorrect instruction has a DB opcode and indicates the registers showing address and length to be moved.

## 00D10261

### Explanation

While scanning the records and record segments in a log control interval (CI), it was discovered that the forward record chain was broken. This condition is the result of an incorrect record length in the log record header of some record in the log CI.

## System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued and no information is written to the SYS1.LOGREC data set.

## System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## 00D10262

### Explanation

While scanning a log control interval (CI), the offset to the last record or record segment in the CI was found to be incorrect.

### System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to the SYS1.LOGREC data set.

## System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## 00D10263

### Explanation

While scanning a log control interval (CI), the VSAM RDF/CIDF control information was found to be incorrect.

### System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked ‘stopped’
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to the SYS1.LOGREC data set.

### System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## 00D10264

### Explanation

While scanning a log control interval (CI), the beginning log RBA of the CI was not the expected RBA.

## System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to the SYS1.LOGREC data set.

## System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

# 00D10265

## Explanation

While scanning the records and record segments in a log control interval (CI), it was discovered that the backward record chain was broken. This condition is the result of an incorrect record length in the log record header of some record in the log CI.

## System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## **00D10266**

### **Explanation**

While scanning a log control interval (CI), a unit of recovery ID or LINK RBA in some record was found to be inconsistent with the beginning log RBA of the CI.

### **System action**

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked ‘stopped’
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to SYS1.LOGREC data set.

### **System programmer response**

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## **00D10267**

### **Explanation**

While scanning a log control interval (CI), a middle or last spanned record segment was not the first segment contained in the log CI.

## System action

This reason code can be issued by an active queue manager because the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor because a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to the SYS1.LOGREC data set.

## System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## 00D10268

### Explanation

While scanning a log control interval (CI), a first or middle spanned record segment was not the last segment contained in the log CI.

### System action

This reason code can be issued by an active queue manager as the log buffers are scanned before they are written to the active log, or by the MQ log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active queue manager, then a diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the queue manager is terminated
- If the error was detected by CSQJW107, the queue manager is terminated

If this reason code is issued as the result of MQ log services GET processing, no error is issued, and no information is written to the SYS1.LOGREC data set.

## **System programmer response**

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## **00D10269**

### **Explanation**

An unrecoverable error was found in one of the buffers, while moving the current log buffer to the static write buffer in preparation for the physical write to the active log.

### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The queue manager then terminates.

### **System programmer response**

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide.

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. If you are unable to solve the problem, contact your IBM support center.

## **00D1032A**

### **Explanation**

An unsuccessful completion of a LOG READ has occurred. BSDS does not map the specified RBA into a log data set. Either the BSDS is in error, or the log data set has been deleted.

### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### **System programmer response**

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide. You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem.

## 00D1032B

### Explanation

Completion of a LOG READ was unsuccessful, because an error occurred while attempting to allocate a log data set.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide. You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem.

Examine LOGREC and SVC dump information. Also, examine any prior messages with a CSQJ prefix from recovery log manager allocation processing.

## 00D1032C

### Explanation

A LOG READ completed unsuccessfully, because an error occurred while opening or closing a log data set.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

For information about dealing with problems on the log, see the WebSphere MQ for z/OS System Administration Guide. You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem.

Examine LOGREC and SVC dump information. Also, examine prior messages from recovery log manager open/close processing. These messages have a prefix of CSQJ.

## 00D1032E

### Explanation

A LOG READ completed unsuccessfully due to an internal error.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.



## **System programmer response**

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. Examine the SYS1.LOGREC and SVC dump information.

### **00D10340**

#### **Explanation**

An unsuccessful completion of a LOG READ has occurred. This reflects an internal recovery log manager (RLM) logic error.

#### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

#### **System programmer response**

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem.

Examine the SYS1.LOGREC, console log and SVC dump for information about prior errors during LOG READ processing.

If you cannot solve the problem, contact your IBM support center.

### **00D10345**

#### **Explanation**

A LOG READ completed unsuccessfully because an error was received from a CATALOG LOCATE request for an archive log data set. The requested archive log data set might have been uncataloged or deleted.

#### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

#### **System programmer response**

You might find the items listed in “Recovery log manager problem determination” on page 812 useful in resolving the problem. Examine the SYS1.LOGREC and SVC dump.

### **00D10348**

#### **Explanation**

The maximum retry count was exceeded while attempting to read a log RBA.

### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### **System programmer response**

Check the console log for related errors. This problem might occur if the user has specified an archive or active log data set to the BSDS with an incorrect RBA range.

If you cannot solve the problem, contact your IBM support center.

## **00D10406**

### **Explanation**

The bootstrap data set access service received a request with an invalid function code.

### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### **System programmer response**

You might find the items listed in "Recovery log manager problem determination" on page 812 useful in resolving the problem. If you cannot solve the problem, contact your IBM support center.

## **00D10410**

### **Explanation**

An unsuccessful completion of a READ BSDS RECORD has occurred. An error has been returned from VSAM.

### **System action**

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### **System programmer response**

Check the console log for return codes from VSAM.

If you are unable to resolve the problem, note these values, collect the items listed in "Recovery log manager problem determination" on page 812, and contact your IBM support center.

## 00D10411

### Explanation

An unsuccessful completion of a WRITE UPDATE BSDS RECORD has occurred. An error has been returned from VSAM.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

Check the console log for return codes from VSAM.

If you are unable to resolve the problem, note these values, collect the items listed in "Recovery log manager problem determination" on page 812, and contact your IBM support center.

## 00D10412

### Explanation

An unsuccessful completion of a WRITE INSERT BSDS RECORD has occurred. An error has been returned from VSAM.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

Check the console log for return codes from VSAM.

If you are unable to resolve the problem, note these values, collect the items listed in "Recovery log manager problem determination" on page 812, and contact your IBM support center.

## 00D10413

### Explanation

An unsuccessful completion of a DELETE BSDS RECORD has occurred. An error has been returned from VSAM.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

Check the console log for return codes from VSAM.

If you are unable to resolve the problem, note these values, collect the items listed in "Recovery log manager problem determination," and contact your IBM support center.

## 00D10700

### Explanation

An error completion code was returned by SETLOCK OBTAIN.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

You might find the items listed in "Recovery log manager problem determination" useful in resolving the problem. In the dump, register 0 contains the return code from SETLOCK OBTAIN.

## 00D10701

### Explanation

An error completion code was returned by SETLOCK RELEASE.

### System action

An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

### System programmer response

You might find the items listed in "Recovery log manager problem determination" useful in resolving the problem. In the dump, register 0 contains the return code from SETLOCK RELEASE.

## Recovery log manager problem determination

Collect the following diagnostic items:

- Console output
- System dump resulting from the error, if any
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- Printout of SYS1.LOGREC, if the reason code is issued by an active queue manager
- A CSQ1LOGP detail report containing the log records associated with the problem, if the reason code is issued by an active queue manager
- Contents of the BSDS; obtain a listing by running the Print Log Map utility (CSQJU004)
- The recovery log manager standard diagnostic information, provided in the SYS1.LOGREC variable recording area (VRA) of the system diagnostic work area (SDWA) for many of the reason codes:

**MODID**

Name of module issuing the error

**LEVEL**

Change level

**COMPONENT**

Subcomponent identifier of recovery log manager

**REGISTERS**

General purpose registers (GPRs) 0 through 15 at time of abend.

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**Lock manager codes (X'D3')**

If a lock manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

**00D301F1****Explanation**

An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

**00D301F2****Explanation**

An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

## 00D301F3

### Explanation

An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

## 00D301F4

### Explanation

An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

## 00D301F5

### Explanation

An attempt to obtain storage was unsuccessful. This is probably because there is insufficient storage in your region.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in "Lock manager problem determination" on page 815 and contact your IBM support center.

**00D302F1, 00D302F2, 00D302F3, 00D302F4, 00D302F5,  
00D303F1, 00D303F2, 00D303F3, 00D304F1, 00D305F1,  
00D306F1**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Lock manager problem determination" and contact your IBM support center.

**Lock manager problem determination**

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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**Message manager codes (X'D4')**

If a message manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40001, 00D40002**

**Explanation**

An internal error has occurred while processing a command.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40003, 00D40004, 00D40007**

### **Explanation**

An internal error has occurred while processing a DEFINE or ALTER command for a queue.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40008**

### **Explanation**

An internal error has occurred while processing a DEFINE or ALTER command for a process.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40009**

### **Explanation**

An internal error has occurred while processing a DEFINE or ALTER command for a queue.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D4000A, 00D4000B, 00D4000C**

### **Explanation**

An internal error has occurred while processing a command.



**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D4000D****Explanation**

An internal error has occurred while attempting to establish a processing environment for the command processors.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D4000E, 00D4000F****Explanation**

An internal error has occurred while attempting to establish a processing environment.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40010****Explanation**

An internal error has occurred while processing a command.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40011, 00D40012, 00D40013, 00D40014**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40015**

### **Explanation**

An attempt to write a trigger message to the initiation queue or the dead-letter queue was unsuccessful because of an internal error (for example, a storage overwrite).

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40016, 00D40017, 00D40018, 00D4001A, 00D4001B, 00D4001C, 00D4001D, 00D4001E, 00D4001F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40020, 00D40021, 00D40022, 00D40023, 00D40024, 00D40025**

### **Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40026****Explanation**

An internal error has occurred while processing a DEFINE CHANNEL or ALTER command for a channel.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40027, 00D40028, 00D40029, 00D4002A, 00D4002B,  
00D4002C****Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D4002D****Explanation**

An attempt to write a message to a queue was unsuccessful because of an internal error (for example, a storage overwrite).

**System action**

The current execution unit terminates with completion code X'5C6'.

## **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

### **00D4002E**

#### **Explanation**

An internal error has occurred.

#### **System action**

The current execution unit terminates with completion code X'5C6'

#### **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

### **00D4002F**

#### **Explanation**

An internal error has occurred while processing a channel command.

#### **System action**

The current execution unit terminates with completion code X'5C6'.

#### **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

### **00D40030**

#### **Explanation**

The report option requested in a message was not recognized.

#### **System action**

The current execution unit terminates with completion code X'5C6'. A dump is produced.

#### **System programmer response**

Correct the value of the report option field (the value specified is given in register 2).

## **00D40031, 00D40032**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40033**

### **Explanation**

An internal error has occurred while processing a STGCLASS command.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D40034, 00D40035, 00D40036, 00D40037, 00D40038, 00D40039**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D4003B**

### **Explanation**

An internal error has occurred.

## System action

The current execution unit terminates with completion code X'5C6'.

## System programmer response

Collect the items listed in "Message manager problem determination" on page 840. Also collect details of the queue-sharing group (QSG) and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:

```
D XCF,GRP
```

to display a list of all QSGs in the Coupling Facility.

```
D XCF,GRP,qsg-name,ALL
```

to display status about the queue managers defined to QSG qsg-name. Contact your IBM support center.

## 00D4003C, 00D4003D

### Explanation

An internal error has occurred while processing a DEFINE CFSTRUCT or ALTER CFSTRUCT or DELETE CFSTRUCT command.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D4003E

### Explanation

An internal error has occurred while processing an AUTHINFO command.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D4003F

### Explanation

An internal error has occurred while processing a DEFINE MAXSMSGS or ALTER QMGR command.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40040****Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40042****Explanation**

An internal processing error has occurred. The repository cannot locate an object that it has been asked to release.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

**00D40043, 00D40044, 00D40045, 00D40046, 00D40047,  
00D40048****Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D40049

### Explanation

An internal processing error has occurred while attempting to create the queue manager object during end restart processing.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D40050

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'. The IGQ agent then attempts to recover.

### System programmer response

If the IGQ agent fails to recover properly, an attempt could be made to disable the SYSTEM.QSG.TRANSMIT.QUEUE to force the IGQ agent to enter retry, or if this fails, the IGQ agent task can be restarted by issuing an ALTER QMGR IGQ(ENABLED) command or by restarting the queue manager.

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D40051, 00D40052

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.



## 00D40053

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 together with a dump of the coupling facility list structure that the shared queue is defined to use, and contact your IBM support center.

## 00D40054

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840. Also collect details of the queue-sharing group (QSG) and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:

```
D XCF,GRP
```

to display a list of all QSGs in the Coupling Facility.

```
D XCF,GRP,qsg-name,ALL
```

to display status about the queue managers defined to QSG qsg-name. Contact your IBM support center.

## 00D40055, 00D40056

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## 00D40060

### Explanation

While performing Shared Channel Recovery Processing, DB2 was found to be inactive.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Check why DB2 related tasks are unavailable.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually. See the WebSphere MQ Intercommunication manual for more information about shared channel recovery.

## 00D40062, 00D40064, 00D40065, 00D40066

### Explanation

An internal error has occurred during shared channel recovery.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

The recovery process is terminated; some channels may have been recovered, while others have not. Any channels that were not recovered will be recovered when the recovery process next runs; alternatively, they can be restarted manually. See the WebSphere MQ Intercommunication manual for more information about shared channel recovery.

## 00D40067

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

## System programmer response

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

### 00D40068

#### Explanation

An internal error has occurred.

#### System action

The current execution unit terminates with completion code X'5C6'. In some cases, the queue manager may terminate with completion code X'6C6'.

#### System programmer response

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

Restart the queue manager if necessary.

### 00D40069

#### Explanation

An internal error has occurred.

#### System action

The current execution unit terminates with completion code X'5C6'.

#### System programmer response

Collect the items listed in “Message manager problem determination” on page 840. Also collect details of the queue-sharing group (QSG) and of the queue managers active, as well as the queue managers defined to the QSG at the time of the error. This information can be obtained by entering the following z/OS commands:

```
D XCF,GRP
```

to display a list of all QSGs in the Coupling Facility.

```
D XCF,GRP,qsg-name,ALL
```

to display status about the queue managers defined to QSG qsg-name. Contact your IBM support center.

### 00D40070

#### Explanation

An internal error has occurred involving the cluster cache.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and the channel initiator job log, and contact your IBM support center.

**00D40071, 00D40071, 00D40073, 00D40074, 00D40075,  
00D40076, 00D40077, 00D40078, 00D40079, 00D4007A,  
00D4007B, 00D4007C, 00D4007D, 00D4007E, 00D4007F**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

Restart the queue manager if necessary.

## **00D40080**

### **Explanation**

An internal error has occurred involving the cluster cache.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and the channel initiator job log, and contact your IBM support center.

## **00D40081**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

Restart the queue manager if necessary.

## **00D40082**

### **Explanation**

An internal error has occurred involving the cluster cache.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and the channel initiator job log, and contact your IBM support center.

## **00D40083**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in “Message manager problem determination” on page 840 and contact your IBM support center.

Restart the queue manager if necessary.

## **00D40090**

### **Explanation**

An error has occurred during an MQPUT1 to the SYSTEM.DURABLE.SUBSCRIBER.QUEUE during start up and initialisation. This can occur for example:

- If you do not have a SYSTEM.DURABLE.SUBSCRIBER.QUEUE defined.
- The datasets used at startup that contain the definitions for your storage classes and objects are concatenated in the incorrect order. The dataset containing the storage class definitions must come before the object definitions that use them.

### **System action**

The queue manager will terminate with completion code X'6C6'. The failing reason code from the MQPUT1 will be in register 2 of the dump.

### **System programmer response**

Identify the error, correct the problem and Restart the queue manager.

## **00D401F1**

### **Explanation**

Whilst processing a get message request, the specified search type (message identifier or correll identifier) was found to be in error. This indicates a data corruption error.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Message manager problem determination" on page 840 and contact your IBM support center.

## **00D44001**

### **Explanation**

This reason code is issued in message CSQM090E when a command has failed. This code indicates that an object of the specified name exists, but is of a different subtype; it might not necessarily have the same disposition in the queue-sharing group. This can only occur with subtypes of queues or channels. Message CSQM099I is also issued, indicating the object in error.

### **Severity**

8

### **System action**

The command is ignored.

### **System programmer response**

Reissue the command, ensuring that all object subtypes are correct.

## 00D44002

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that the object specified on the request could not be located. Message CSQM094I or message CSQM125I is also issued, indicating the object in error.

It is also issued in message CSQM086E, indicating that the queue manager object could not be located.

### Severity

8

### System action

For CSQM090E, the command is ignored. For CSQM086E, the queue manager fails to restart.

### System programmer response

If you are using a queue-sharing group, check that DB2 is available and not suspended. Define the object in question. For the queue manager, reissue the START QMGR command to restart the queue manager.

**Note:** An object of the same name and type, but of a different disposition, might already exist. If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.

## 00D44003

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that the object specified on the request already exists. This will only arise when trying to define a new object. Message CSQM095I is also issued.

### Severity

8

### System action

The command is ignored.

### System programmer response

Use the object in question.

## 00D44004

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that one or more of the keywords on the command failed the parameter validation rules that apply to them. One or more other more specific messages are also issued, indicating the reason for the validation failure.

### Severity

8

### System action

The command is ignored.

### System programmer response

Refer to the more specific associated message to determine what the error is.

## 00D44005

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that either:

- The object specified on the request is currently open. This usually happens when an object is in use through the API or a trigger message is being written to it, but it could also arise because the object specified is in the process of being deleted. For a local queue, it can occur because there are messages currently on the queue. Message CSQM101I or CSQM115I is also issued.
- A request has been issued for a local queue, but this queue has incomplete units of recovery outstanding for it. Message CSQM110I is also issued.
- A alter, delete, or define request was made against a storage class that is in use (that is, there is a queue defined as using the storage class, and there are messages currently on the queue. Message CSQM101I is also issued.

### Severity

8

### System action

The command is ignored.

### System programmer response

Refer to the description of message CSQM101I, CSQM110I, or CSQM115I as appropriate.



## 00D44006

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that a request has been issued to delete a local queue. The PURGE option has not been specified, but there are messages on the queue. Message CSQM103I is also issued.

### Severity

8

### System action

The command is ignored.

### System programmer response

If the local queue must be deleted, even though there are messages on it, reissue the command with the PURGE option.

## 00D44007

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that a request has been issued for a local queue that is dynamic, but this queue has been flagged for deletion. Message CSQM104I is also issued.

### Severity

8

### System action

The command is ignored.

### System programmer response

None, the local queue will be deleted as soon as possible.

## 00D44008

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that the object specified on the request needs updating because the MQ version has changed, but that this cannot be done because the object is currently open. Message CSQM101I is also issued.

### Severity

8

### **System action**

The command is ignored.

### **System programmer response**

Wait until the object is closed and reissue the command.

## **00D44009**

### **Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because of an error on page set zero.

### **Severity**

8

### **System action**

The command is ignored or the queue manager fails to restart.

### **System programmer response**

Check for error messages on the console log that might relate to the problem. Verify that page set zero is set up correctly; refer to the WebSphere MQ for z/OS System Administration Guide for information about this.

## **00D4400A**

### **Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM113E indicating the object in error. It is also issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but page set zero is full.

### **Severity**

8

### **System action**

The command is ignored or the queue manager fails to restart.

### **System programmer response**

Increase the size of page set zero. Refer to the WebSphere MQ for z/OS System Administration Guide for information about how to do this.

## 00D4400B

### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM114E. This code indicates that a request has been issued for a local queue, but no more local queues could be defined. There is an implementation limit of 524 287 for the total number of local queues that can exist. For shared queues, there is a limit of 512 queues in a single coupling facility structure, and 512 structures altogether.

### Severity

4

### System action

The command is ignored.

### System programmer response

Delete any existing queues that are no longer required.

## 00D4400C

### Explanation

This reason code is issued in message CSQM090E when a command has failed. It indicates that the command is not allowed for a particular subtype of an object, as shown in the accompanying more specific message.

### Severity

4

### System action

The command is ignored.

### System programmer response

Reissue the command with the object name specified correctly.

## 00D4400D

### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM127I. This code indicates that a request was issued specifying a namelist as a list of cluster names, but there are no names in the namelist.

### Severity

8

**System action**

The command is ignored.

**System programmer response**

Specify a namelist that is not empty.

**00D4400E****Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not defined.

**Severity**

8

**System action**

The command is ignored or the queue manager fails to restart.

**System programmer response**

Ensure that the necessary page set is defined in the initialization input data set CSQINP1, and has a DD statement in the queue manager started task JCL procedure. Restart the queue manager.

**00D4400F****Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not open.

**Severity**

8

**System action**

The command is ignored or the queue manager fails to restart.

**System programmer response**

Ensure that the necessary page set is defined in the initialization input data set CSQINP1, and has a DD statement in the queue manager started task JCL procedure. Restart the queue manager.

## 00D44010

### Explanation

This reason code is issued in message CSQM090E when a command has failed. This code indicates that a request was issued to change the default transmission queue for the queue manager, but the queue is already in use.

### Severity

8

### System action

The command is ignored.

### System programmer response

Wait until the queue is no longer in use, or choose another queue.

## 00D44011

### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM128E. This code indicates that a request was issued that required a message to be sent to a command queue, but the message could not be put.

### Severity

8

### System action

The command is ignored.

### System programmer response

Resolve the problem with the command queue.

## 00D44013

### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM160I indicating the object in error.

### Severity

8

### System action

The command is ignored.

## System programmer response

See message CSQM160I for more information.

### 00D44014

#### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM161I.

#### Severity

8

#### System action

The command is ignored.

#### System programmer response

See message CSQM161I for more information.

### 00D44015

#### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM164I indicating the object in error.

#### Severity

8

#### System action

The command is ignored.

#### System programmer response

See message CSQM164I for more information.

### 00D44016

#### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM163I indicating the object in error.

#### Severity

8

### **System action**

The command stops processing.

### **System programmer response**

See message CSQM163I for more information.

## **00D44017**

### **Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because coupling facility structure has failed.

### **Severity**

8

### **System action**

The command is ignored or the queue manager fails to restart.

### **System programmer response**

Check for error messages on the console log that might relate to the problem. Use the RECOVER CFSTRUCT command to recover the coupling facility structure.

## **00D44018**

### **Explanation**

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because there is an error or inconsistency in the coupling facility information.

### **Severity**

8

### **System action**

The command is ignored or the queue manager fails to restart.

## System programmer response

Check for error messages on the console log that might relate to the problem. Check that DB2 is available and not suspended. If the problem persists, it may be necessary to restart the queue manager.

## 00D44019

### Explanation

This reason code is issued in message CSQM090E when a command has failed, and is accompanied by message CSQM112E or message CSQM117E indicating the object in error. It is also issued in message CSQM086E during queue manager restart.

This code indicates that a request has been issued for an object, but the object information could not be accessed because DB2 is not available or is suspended.

### Severity

8

### System action

The command is ignored or the queue manager fails to restart.

### System programmer response

Check for error messages on the console log that might relate to the problem. Check that DB2 is available and not suspended.

## 00D4F001

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Message manager problem determination" and contact your IBM support center.

## Message manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error (including any command that was being issued), or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log



- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels

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## Command server codes (X'D5')

If a command server reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Command server problem determination" on page 847 and contact your IBM support center.

### 00D50101

#### Explanation

During initialization, the command server was unable to obtain storage. This is probably because there is insufficient storage in your region.

#### System action

Message CSQN104I is sent to the console containing this reason code and the return code from the internal storage macro. None of the commands in the initialization data set currently being processed are performed. Queue manager startup continues.

**Note:** If there is a storage problem, startup might not be successful.

#### System programmer response

Check that you are running in a region that is large enough, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the following items and contact your IBM support center:

- Return and reason codes from CSQN104I message
- Trace of startup (if available)

### 00D50102

#### Explanation

The command preprocessor ended abnormally while processing a command in the initialization input data set.

#### System action

Message CSQ9029E is produced, followed by message CSQN103I with this code as the return code, and a reason code of -1 indicating that the command was not processed, and a dump is produced. The next command is processed.

#### System programmer response

Look in the output data set to determine the command in error. Check that the command is correctly formed, that it applies to a valid object.

If the command is correct, collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D50103**

### **Explanation**

During initialization, an internal error occurred.

### **System action**

Message CSQN104I is sent to the z/OS console, indicating the return and reason codes from the internal macro. The command server stops, without processing any commands.

### **System programmer response**

Review the job log for messages about other errors that might be related. If you are unable to solve the problem, collect the items listed in “Command server problem determination” on page 847, and contact your IBM support center.

## **00D50104**

### **Explanation**

An internal error occurred during initialization.

### **System action**

Message CSQN104I is sent to the z/OS console, indicating the return and reason codes from the internal macro. The command server stops, without processing any commands.

### **System programmer response**

Stop and restart the queue manager.

Collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D50105**

### **Explanation**

An internal error has occurred.

### **System action**

The command server terminates, and a dump is produced.

### **System programmer response**

Stop and restart the queue manager.

Collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D50201**

### **Explanation**

The command server was unable to obtain storage while starting up. This is probably because there is insufficient storage in your region.

### **System action**

Message CSQN202I is sent to the z/OS console, indicating the return code from the internal storage macro. The command server stops, without processing any commands.

### **System programmer response**

Check that you are running in a region that is large enough, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D50202**

### **Explanation**

An internal error has occurred.

### **System action**

Message CSQN202I is sent to the z/OS console, indicating the return code from the internal macro. The command server stops, without processing any commands.

### **System programmer response**

Review the job log for messages about other errors that might be related. If you are unable to solve the problem, collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D50203**

### **Explanation**

An internal error has occurred.

### **System action**

Message CSQN202I is sent to the z/OS console, indicating the return code from the internal macro. The command server stops, without processing any commands.

### **System programmer response**

Issue the START CMDSERV command to restart the command server.

Collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## 00D50208

### Explanation

The command server was unable to obtain storage during startup.

### System action

Message CSQN202I is sent to the z/OS console, indicating the return code from the internal macro. The command server stops, without processing any commands.

### System programmer response

Check that you are running in a region that is large enough, and if not, reset your system and restart the queue manager. If this is not the cause of the problem, collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## 00D50209

### Explanation

The command preprocessor ended abnormally while processing a command from the command server.

### System action

Message CSQN205I is put onto the reply-to queue with COUNT=1, RETURN=00D50209, and REASON=-1 indicating that the command has not been processed. The command server processes the next command.

### System programmer response

Check that the command is correctly formed, that it applies to a valid object.

If the command is correct, collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## 00D5020C

### Explanation

While waiting for a command, the command server did not recognize the reason for the end of the wait. This is because it was not one of the following:

- The arrival of a message
- The STOP CMDSERV command

### System action

Messages CSQN203I and CSQN206I are sent to the console, containing the return and reason codes from the request function, and the ECB list.

The command server is terminated and a dump is produced.

### **System programmer response**

Issue the START CMDSERV command to restart the command server.

Collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D5020E**

### **Explanation**

The command processor attempted to get a command from the system-command-input queue, but the attempt was unsuccessful because of an internal error.

### **System action**

The command server continues processing. Message CSQN203I is written to the console containing the return and reason codes from the API call.

### **System programmer response**

Collect the items listed in “Command server problem determination” on page 847 and contact your IBM support center.

## **00D5020F**

### **Explanation**

The command processor got a command from the system-command-input queue, but was unable to process it because the message was not of type MQMT\_REQUEST.

### **System action**

The command processor processes the next command message.

## **00D50210**

### **Explanation**

The command processor got a command from the system-command-input queue, but was unable to process it because the command message was of length zero.

### **System action**

The command processor processes the next command message.

## 00D50211

### Explanation

The command processor got a command from the system-command-input queue, but was unable to process it because the command message consisted of blank characters only.

### System action

The command processor processes the next command message.

## 00D50212

### Explanation

The command processor got a command from the system-command-input queue, but was unable to process it because the command message was greater than 32 762 characters long.

### System action

The command processor processes the next command message.

## 00D54000

### Explanation

An internal error has occurred.

### System action

The command server is terminated and a dump is produced.

### System programmer response

Issue the START CMDSERV command to restart the command server.

Collect the items listed in "Command server problem determination" on page 847 and contact your IBM support center.

## 00D54nnn

### Explanation

The command processor got a command from the system-command-input queue, but was unable to process it because the command message indicated that data conversion was required and an error occurred during conversion. *nnnn* is the reason code (in hexadecimal) returned by the MQGET call.

### System action

The command processor processes the next command message.

## System programmer response

Refer to API completion and reason codes for information about the reason code *mm*.

## Command server problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error (including the command that was being issued), or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error, if any
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- Any trace information collected
- Return and reason codes from message CSQN104I or CSQN202I, if it was issued

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## Buffer manager codes (X'D7')

If a buffer manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in “Buffer manager problem determination” on page 854 and contact your IBM support center.

### 00D70101

#### Explanation

An attempt to obtain storage for a buffer manager control block (the PANC) was unsuccessful. This is probably because there is insufficient storage in your region.

#### System action

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Registers 2 and 0 contain the return and reason codes from the STORAGE or GETMAIN request.

#### System programmer response

Check that you are running in a region that is large enough, and if not, reset your system and restart the queue manager. If this does not resolve the problem, note the register values, and contact your IBM support center.

### 00D70102

#### Explanation

The name of the queue manager being restarted does not match the name recorded in a prior checkpoint log record.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. This is preceded by message CSQP006I. Register 0 contains the name found in the log record. Register 2 contains the name of the queue manager being restarted.

### **System programmer response**

Change the started task JCL procedure xxxxMSTR for the queue manager to name the appropriate bootstrap and log data sets.

The print log utility, CSQ1LOGP, can be used to view checkpoint records. You might also find the MQ active log data set useful for problem determination.

## **00D70103**

### **Explanation**

An attempt to obtain storage for a buffer manager control block (a PSET) was unsuccessful.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Registers 2 and 0 contain the return and reason codes from the STORAGE or GETMAIN request.

### **System programmer response**

Restart the queue manager.

Note the register values, and contact your IBM support center.

## **00D70104**

### **Explanation**

An attempt to obtain storage for a buffer manager control block (a BHDR) was unsuccessful.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Registers 2 and 0 contain the return and reason codes from the STORAGE or GETMAIN request.

### **System programmer response**

Restart the queue manager.

Note the register values, and contact your IBM support center.



## 00D70105

### Explanation

An internal error has occurred during dynamic page set expansion.

### System action

The current page set extend task is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. No further attempt will be made to expand the page set until the queue manager is restarted. Subsequent dynamic page set extend requests for other page sets are processed.

### System programmer response

Collect the items listed in "Buffer manager problem determination" on page 854 and contact your IBM support center.

## 00D70106

### Explanation

An internal error has occurred.

### System action

An entry is written to SYS1.LOGREC, and a dump is produced.

### System programmer response

Collect the items listed in "Buffer manager problem determination" on page 854 and contact your IBM support center.

## 00D70108

### Explanation

An attempt to obtain storage for the buffer pool was unsuccessful.

### System action

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 2 contains the return code from the STORAGE or GETMAIN request. Register 3 contains the buffer pool number.

### System programmer response

Provide sufficient storage for the number of buffers specified in the DEFINE BUFFPOOL command.

## 00D7010A

### Explanation

An internal storage error has occurred.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Registers 2 and 0 contain the return and reason codes from the STORAGE or GETMAIN request. Register 3 contains the buffer pool number.

### **System programmer response**

Provide sufficient storage for the number of buffers specified in the DEFINE BUFFPOOL command.

## **00D70112**

### **Explanation**

A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the reason code for the error.

### **System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this does not resolve the problem, note the completion code and the reason code and contact your IBM support center.

## **00D70113**

### **Explanation**

A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the reason code for the error.

### **System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this does not resolve the problem, note the completion code and the reason code and contact your IBM support center.

## **00D70114**

### **Explanation**

An internal cross-component consistency check failed.

### **System action**

The request is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the value in error.

### **System programmer response**

Note the completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

## **00D70116**

### **Explanation**

An I/O error has occurred.

### **System action**

An entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the Media Manager reason code from an MMCALL call. In some circumstances, the queue manager will terminate. (This depends on the nature of the error, and the page set on which the error occurred.)

### **System programmer response**

Restart the queue manager if necessary.

See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the Media Manager reason code.

You might also find the MQ active log data set useful for problem determination.

## **00D70117**

### **Explanation**

An internal error has occurred while the queue manager was terminating.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Buffer manager problem determination" on page 854 and contact your IBM support center.

## 00D70118

### Explanation

A page was about to be written to a page set, but was found to have improper format. The executing thread is terminated. (If this is the deferred write processor, the queue manager is terminated)

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Restart the queue manager. If the problem persists collect the items listed in "Buffer manager problem determination" on page 854 and contact your IBM support center.

## 00D70120

### Explanation

No buffers are available to steal. An executing thread needed a buffer in a buffer pool to bring a page in from the page set. The buffer pool is overcommitted, and despite attempts to make more buffers available, including writing pages to the page set, no buffers could be released.

### System action

The current execution unit terminates with completion code X'5C6'. The API request is terminated with reason code MQRC\_UNEXPECTED\_ERROR, with the aim of reducing demand for the buffer pool.

### System programmer response

Determine the problem buffer pool from preceding CSQP019I and CSQP020E messages. Review the size of the buffer pool with the DISPLAY USAGE command. Consider increasing the size of the buffer pool using the ALTER BUFFPOOL command.

## 00D70122

### Explanation

An unrecoverable error has occurred during check point.

### System action

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the reason code for the error.

### System programmer response

Restart the queue manager.

Note the completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

## **00D70133**

### **Explanation**

An internal consistency check failed.

### **System action**

The request is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

### **System programmer response**

Note the completion code and the reason code, collect the MQ active log data set, and contact your IBM support center.

## **00D70136**

### **Explanation**

A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the reason code for the error.

### **System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this does not resolve the problem, note the completion code and the reason code and contact your IBM support center.

## **00D70137**

### **Explanation**

A critical process could not be started during queue manager initialization. This could be because there is insufficient storage in your region.

### **System action**

The queue manager is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. Register 0 contains the reason code for the error.

### **System programmer response**

Check that you are running in a region that is large enough. If not, reset your system and restart the queue manager. If this does not resolve the problem, note the completion code and the reason code and contact your IBM support center.

## Buffer manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- The MQ active log data set
- System dump resulting from the error
- CICS transaction dump output, if using CICS
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Recovery manager codes (X'D9')

If a recovery manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Recovery manager problem determination" on page 873 and contact your IBM support center.

### 00D90000

#### Explanation

A recovery manager module received control from its FRR for retry and found an invalid retry point identifier. The name of the module in which the error occurred appears in the SYS1.LOGREC entry showing this reason code in register 15.

#### System action

Standard diagnostic information is provided. The error is recorded in SYS1.LOGREC, an SVC dump is scheduled, and queue manager termination is requested. The termination reason code reflects the function for which retry was unsuccessfully attempted.

#### System programmer response

This is a secondary error. Obtain a copy of SYS1.LOGREC and the SVC dump for this error and for the original problem that resulted in the retry attempt. Examine the SYS1.LOGREC information and the dumps from both the original and the secondary error to determine if the recovery parameter area was damaged or if retry incorrectly restored registers for the mainline module.

Restart the queue manager.

### 00D90002

#### Explanation

The recovery manager startup notification routine received an error return code from the recovery log manager when attempting to read a recovery manager status table (RMST) record from the bootstrap data set (BSDS) in one of the following cases:

- When reading the record containing the RMST header. The first copy was successfully read, but the second copy could not be found.
- When reading records containing the RMST entries. A *no record found* condition was encountered before all entries were read.
- When reading either a header record or an entry record. The record exceeded its expected length.

This is an MQ error.

### **System action**

The recovery manager has no functional recovery routine (FRR) in place when this error occurs. It relies on its invoker, the facility startup function, to perform SYS1.LOGREC recording and to request a dump. The queue manager terminates with a X'00E80100' reason code.

### **System programmer response**

The queue manager determined that the BSDS that it was reading has been corrupted. If you are running in a dual BSDS environment, determine which BSDS is corrupt, and follow the procedures described in the WebSphere MQ for z/OS System Administration Guide to recover it from the valid BSDS.

If you are running in a single BSDS environment, refer to the WebSphere MQ for z/OS System Administration Guide, which describes the procedures needed to recover your BSDS from an archived BSDS.

## **00D92001**

### **Explanation**

The checkpoint/restart serial controller FRR invoked queue manager termination, because an unrecoverable error was detected while processing a request.

This is a queue manager termination reason code.

### **System action**

Queue manager termination is initiated. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the associated error.

### **System programmer response**

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error, and follow the instructions associated with it.

Restart the queue manager.

## **00D92003**

### **Explanation**

The restart request servicer FRR invoked queue manager termination, because an unrecoverable error was detected while processing a restart request.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Obtain a copy of SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## **00D92004**

### **Explanation**

The shutdown checkpoint controller FRR invoked queue manager termination, because an unrecoverable error was detected while processing a shutdown checkpoint request.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Obtain a copy of SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## **00D92011**

### **Explanation**

An internal error has occurred.

### **System action**

The checkpoint process will end abnormally to prevent a damaged URE from being written out to the log, and the queue manager will be terminated. This is to prevent the loss or incorrect processing of an MQ unit of recovery (UR). Restart will use the previous checkpoint and apply all the MQ log records up to the point of the problem. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

### **System programmer response**

Restart the queue manager.



Collect the items listed in “Recovery manager problem determination” on page 873 and contact your IBM support center.

## 00D92012

### Explanation

An internal error has occurred.

### System action

The checkpoint process will end abnormally to prevent a damaged RURE from being written out to the log, and the queue manager will be terminated. This is to prevent the loss or incorrect processing of an MQ unit of recovery. Restart will use the previous checkpoint and apply all the MQ log records up to the point of the problem. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

### System programmer response

Restart the queue manager.

Collect the items listed in “Recovery manager problem determination” on page 873 and contact your IBM support center.

## 00D92021

### Explanation

### System action

The restart processing will end abnormally, which will terminate the queue manager. This is to prevent the loss or incorrect processing of an MQ unit of recovery.

### System programmer response

Do not attempt to restart the queue manager until the error is resolved.

The log has become corrupted. If you are running with dual logging, try to start the queue manager from the undamaged log.

If you are unable to do achieve this, use the following procedure (you will lose all updates since your last backup):

1. Clear the logs
2. Run the RESETPAGE function of the CSQUTIL utility against your last good set of backups
3. Restart the queue manager

See the WebSphere MQ for z/OS System Administration Guide for information about restarting the queue manager from one log when using dual logging, and using the CSQUTIL utility. If you are unable to resolve the problem, contact your IBM support center.

## 00D92022

### Explanation

An internal error has occurred.

### System action

The restart processing will end abnormally, which will terminate the queue manager. This is to prevent the loss or incorrect processing of an MQ unit of recovery.

### System programmer response

Do not attempt to restart the queue manager until the error is resolved.

The log has become corrupted. If you are running with dual logging, try to start the queue manager from the undamaged log.

If you are unable to do achieve this, use the following procedure (you will lose all updates since your last backup):

1. Clear the logs
2. Run the RESETPAGE function of the CSQUTIL utility against your last good set of backups
3. Restart the queue manager.

See the WebSphere MQ for z/OS System Administration Guide for information about restarting the queue manager from one log when using dual logging, and using the CSQUTIL utility. If you are unable to resolve the problem, contact your IBM support center.

## 00D93001

### Explanation

The commit/backout FRR invoked queue manager termination, because an unrecoverable error was detected during 'must-complete' processing for phase 2 of a commit-UR request.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## 00D93011

### Explanation

A subcomponent of MQ invoked commit when the agent state was invalid for commit-UR invocation. Commit-UR was requested for an agent that was modifying data. Either commit-UR or backout-UR was already in process, or the recovery structure (URE) was damaged.

### System action

Abnormal termination of the agent results, including backing out (backout-UR) of its activity to the previous point of consistency. This releases all locks held by the agent for its resources.

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code X'00D9CCCC', is added to the VRA.

If the agent was in a 'must-complete' state (in-commit2 or in-backout), the queue manager is also terminated with reason code X'00D93001'. When the queue manager is next restarted, recoverable activity for this agent (such as an ensure-backout or ensure-commit UR) is handled to complete the commit or backout process.

### System programmer response

This is an MQ error. Examine the SYS1.LOGREC data and the dump to establish whether either commit-UR was invoked incorrectly or the control structure that reflects the state was damaged.

## 00D93012

### Explanation

A subcomponent of MQ invoked commit when the agent state was invalid for commit-UR invocation. Commit-UR was invoked for an agent that was only retrieving data. Either commit-UR or backout-UR was already in process, or the ACE progress state field was damaged.

### System action

Abnormal termination of the agent results, including backing out (backout-UR) of its activity to the previous point of consistency. This releases all locks held by the agent for its resources.

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code X'00D9CCCC', is added to the SDWA VRA.

### System programmer response

This is an MQ error. Examine the SYS1.LOGREC data and the dump to establish whether either commit-UR was invoked incorrectly or the control structure was damaged.

## 00D93100

### Explanation

This reason code indicates that an MQ allied agent does not need to participate in the Phase-2 (Continue Commit) call, because all required work has been accomplished during the Phase-1 (Prepare) call.

This reason code is generated by the recovery manager when it is determined that an MQ allied agent has not updated any MQ resource since its last commit processing occurred.

### System action

The 'yes' vote is registered with the commit coordinator.

### System programmer response

None should be required because this is not an error reason code. This reason code is used for communication between components of MQ.

## 00D94001

### Explanation

The commit/backout FRR invoked queue manager termination, because an unrecoverable error was detected during 'must-complete' processing for a backout-UR request.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## 00D94011

### Explanation

A subcomponent of MQ invoked backout at a point when the agent state is invalid for invoking the function that backs out units of recovery. Either backout-UR or commit-UR phase-2 was already in process, or the agent structure was damaged.

### System action

Abnormal termination of the agent results and, because the agent is in a 'must-complete' state, the queue manager is terminated with reason code

X'00D94001'. When the queue manager is restarted, recoverable activity for this agent is handled to complete the commit or backout process.

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code X'00D9AAAA', is added to the SDWA VRA.

### **System programmer response**

This is an MQ error. Examine the SYS1.LOGREC data and the dump to establish whether commit-UR was invoked incorrectly or the control structure was damaged.

## **00D94012**

### **Explanation**

During backout, the end of the log was read before all the expected log ranges had been processed. The error is accompanied by an abnormal termination with reason code X'00D94001'.

This could be because the queue manager has been started with a system parameter load module that specifies OFFLOAD=NO rather than OFFLOAD=YES.

### **System action**

The agent is abnormally terminated with completion code X'5C6'. Because the agent is in a must-complete state, the queue manager is terminated with reason code X'00D94001' and message CSQV086E.

Standard diagnostic information is recorded in SYS1.LOGREC. and an SVC dump is requested.

### **System programmer response**

See the information about recovering and restarting the queue manager in the WebSphere MQ for z/OS System Administration Guide before restarting.

Run the print log map utility to print the content of both BSDSs Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 3 and 4 contain the 6-byte relative byte address (RBA) of the beginning of this unit of recovery. MQ must read the log back to this point to complete the backout of this unit of recovery.

To restart the queue manager, you must add the missing archive log data sets back to the BSDS with the change log inventory utility, and increase the MAXARCH parameter in the CSQ6LOGP macro (the system parameter module log initialization macro) to complete the backout.

If the missing archive log is not available, or if archiving was not active, the queue manager can not be restarted unless the log data sets and page sets are all reinitialized or restored from backup copies. Data will be lost as a result of this recovery action.

## 00D95001

### Explanation

The recovery manager's common FRR invoked queue manager termination, because an unrecoverable error was detected during checkpoint processing.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## 00D95011

### Explanation

The recovery manager checkpoint FRR invoked queue manager termination, because an unrecoverable error was detected while performing its checkpoint functions.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## 00D96001

### Explanation

The recovery manager's restart FRR invoked queue manager termination, because an unrecoverable error was detected during the restart processor processing.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## **00D96011**

### **Explanation**

The restart participation FRR invoked queue manager termination, because an unrecoverable error was detected while processing log records during restart.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager when the problem has been corrected.

## **00D96021**

### **Explanation**

The queue manager was terminated during restart because an error occurred while attempting to read the log forward MODE(DIRECT). It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. Follow instructions for

the accompanying recovery log manager error. If possible, remove the cause of original error and restart the queue manager. If you cannot correct the error, contact your IBM support center.

## 00D96022

### Explanation

The restart FRR invoked abnormal termination, because, while reading the log forward during restart, the end-of-log was read before all recovery log scopes had been processed. It is followed by an abnormal termination with the same reason code (X'00D96022').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 (as shown in the dump or in SYS1.LOGREC) contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Follow instructions for the accompanying recovery log manager error. If you cannot correct the error, contact your IBM support center.

## 00D96031

### Explanation

The restart FRR invoked queue manager termination, because an error occurred while attempting to read the log backward MODE(DIRECT). It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. Follow instructions for the accompanying recovery log manager error. See the accompanying error reason code.



Restart the queue manager.

## 00D96032

### Explanation

During restart, the end of the log was read before all the expected log ranges had been processed. The error is accompanied by an abnormal termination with the same reason code (X'00D96032').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC. An SVC dump is requested. The queue manager is terminated with message CSQV086E.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Determine where the log went. See the WebSphere MQ for z/OS System Administration Guide before restarting.

## 00D97001

### Explanation

The agent concerned was canceled while waiting for the RECOVER-UR service to complete.

### System action

The RECOVER-UR function is completed. Abnormal termination of the requesting agent occurs. Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested.

The condition that caused cancelation of the agent was installation initiated (for example, a *forced* termination of the queue manager).

## 00D97011

### Explanation

The queue manager was terminated during RECOVER-UR because an unrecoverable error was detected during RECOVER-UR (CSQRRUPR) recovery processing.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested. queue manager terminates with message CSQV086E and return code X'00D97011'.

### **System programmer response**

Determine the original error. If the error is log-related, see the WebSphere MQ for z/OS System Administration Guide before restarting the queue manager.

## **00D97012**

### **Explanation**

The RECOVER-UR request servicer FRR invoked queue manager termination, because an unrecoverable error was detected while attempting to recover a unit of recovery.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### **System programmer response**

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## **00D97021**

### **Explanation**

The RECOVER-UR FRR invoked queue manager termination, because an error occurred while attempting to read the log MODE(DIRECT) during forward processing. It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is a queue manager termination reason code.

### **System action**

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

## System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. Follow instructions for the accompanying recovery log manager error. See the accompanying error reason code.

Restart the queue manager.

## 00D97022

### Explanation

The RECOVER-UR invoked abnormal termination because end-of-log was reached before all ranges had been processed for forward recovery. This error is accompanied by an abnormal termination with the same reason code (X'00D97022').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

## System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D97031

### Explanation

The RECOVER-UR FRR invoked queue manager termination, because an error occurred during an attempt to read the log MODE(DIRECT) while reading the log backward. It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the begin-scope RBA of the portion that is read.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

## System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. See the accompanying error reason code. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D97032

### Explanation

The RECOVER-UR invoked abnormal termination because end-of-log was reached before all ranges had been processed for backward recovery. This error is accompanied by an abnormal termination with the same reason code (X'00D97032').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D98001

### Explanation

The recovery manager's common FRR invoked queue manager termination, because an unrecoverable error was detected during indoubt-UR processing.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error and follow the instructions associated with it.

Restart the queue manager.

## 00D98011

### Explanation

The FRR for the resolved-indoubt-UR request servicer invoked queue manager termination, because an unrecoverable error was detected processing a request.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. See the accompanying error reason code.

Restart the queue manager.

## 00D98021

### Explanation

The resolved indoubt FRR invoked queue manager termination because of an error while attempting to read the log MODE(DIRECT) during forward recovery. It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. See the accompanying error reason code. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D98022

### Explanation

Resolved indoubt invoked abnormal termination when end-of-log was reached before all ranges had been processed for forward recovery. This error is accompanied by abnormal termination with the same reason code (X'00D98022').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D98031

### Explanation

The resolved indoubt FRR invoked queue manager termination, because an error occurred during an attempt to read the log MODE(DIRECT) while reading the log backward. It is accompanied by a recovery log manager error X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the begin-scope RBA of the portion that is read.

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. See the accompanying error reason code. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D98032

### Explanation

The resolved indoubt FRR invoked abnormal termination when end-of-log was reached before all ranges had been processed for backward recovery. This error is accompanied by abnormal termination with the same reason code (X'00D98032').

This is a queue manager termination reason code.

### System action

Standard diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before queue manager termination is initiated.

### System programmer response

Run the print log map utility to print the contents of both BSDSs. Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. At the time of the error, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered. Follow instructions for the accompanying recovery log manager error.

Restart the queue manager.

## 00D99001

### Explanation

The checkpoint RBA in the conditional restart control record, which is deduced from the end RBA or LRSN value that was specified, is not available. This is probably because the log data sets available for use at restart do not include that end RBA or LRSN.

### System action

The queue manager terminates.

### System programmer response

See message CSQR015E.

## 00D9AAAA

### Explanation

This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during backout-UR.

### System action

Data is stored in the field indicated by VRA key 38 following the EBCDIC string 'RMC-COMMIT/BACKOUT'. This information is useful for IBM service personnel.

## **System programmer response**

Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center.

## **00D9BBBB**

### **Explanation**

This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during begin-UR.

### **System action**

Data is stored in the field indicated by VRA key 38. This information is useful for IBM service personnel.

### **System programmer response**

Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center.

## **00D9CCCC**

### **Explanation**

This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during commit-UR.

### **System action**

Data is stored in the field indicated by VRA key 38 following the EBCDIC string 'RMC-COMMIT/ABORT'. This information is useful for IBM service personnel.

### **System programmer response**

Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center.

## **00D9EEEE**

### **Explanation**

This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during end-UR.

### **System action**

Data is stored in the field indicated by VRA key 38. This information is useful for IBM service personnel.

### **System programmer response**

Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center.



## Recovery manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- System dump
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Storage manager codes (X'E2')

If a storage manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

### 00E20001, 00E20002

#### Explanation

An internal error has occurred.

#### System action

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### System programmer response

Collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

### 00E20003

#### Explanation

A request for storage indicated that sufficient storage in the private area was not available.

#### System action

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### System programmer response

Increase region size.

If you are unable to solve the problem by increasing the region size, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20004**

### **Explanation**

A request for storage indicated that sufficient storage was not available because of pool size limits.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase pool sizes.

If you are unable to solve the problem by increasing the pool sizes, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20005, 00E20006, 00E20007, 00E20008, 00E20009**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E2000A**

### **Explanation**

A request to get storage was unsuccessful.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase the region size.

If increasing the region size does not help you solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E2000B**

### **Explanation**

A request to get storage was unsuccessful.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase region size.

If increasing the region size does not help you solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E2000C**

### **Explanation**

A request for storage indicated that sufficient storage was not available because of pool size limits.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase pool sizes.

If increasing the pool size does not help you solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E2000D, 00E2000E**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

## **System programmer response**

The most likely cause of the problem is a storage overlay or an invalid storage request from a queue manager component. A product other than MQ could cause the storage overlay problem.

Collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E2000F, 00E20010, 00E20011, 00E20012**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20013**

### **Explanation**

A request to get storage was unsuccessful.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase region size.

If increasing the region size does not help you to solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20014**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

## **System programmer response**

Collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E20015**

#### **Explanation**

A request for storage indicated that 8K bytes of private area storage in subpool 229 was not available.

#### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### **System programmer response**

There is probably a shortage of private area storage in the address space in which the problem occurred. Increase maximum private storage.

If increasing the maximum private storage does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E20016**

#### **Explanation**

A request for storage indicated that sufficient storage in subpool 229 was not available.

#### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### **System programmer response**

Increase region size.

If increasing the region size does not help you resolve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E20017, 00E20018, 00E20019**

#### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

## **00E2001A**

### **Explanation**

An error has occurred with the z/OS ESTAE.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested. Register 15 contains the return code from the z/OS ESTAE.

### **System programmer response**

Collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

## **00E2001B**

### **Explanation**

The 'setlock obtain' function issued a nonzero return code.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

## **00E2001D, 00E2001E**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

## **System programmer response**

Collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E2001F**

#### **Explanation**

There was insufficient storage in the common service area (CSA) to satisfy a request for storage.

#### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### **System programmer response**

Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

If increasing the CSA size does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E20020**

#### **Explanation**

There was insufficient storage in the private area to satisfy a request for storage.

#### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

#### **System programmer response**

Increase region size.

If increasing the region size does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

### **00E20021**

#### **Explanation**

There was insufficient storage in the common service area (CSA) to satisfy a request for storage.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

If increasing the size of the CSA does not solve the problem, collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

## **00E20022**

### **Explanation**

There was insufficient storage in the common service area (CSA) to satisfy a request for storage.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

If increasing the size of the CSA does not solve the problem, collect the items listed in "Storage manager problem determination" on page 882 and contact your IBM support center.

## **00E20023**

### **Explanation**

There was insufficient storage in the private area was to satisfy a request for storage.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Increase region size.



If increasing the region size does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20024**

### **Explanation**

There was insufficient storage in the common service area (CSA) to satisfy a request for storage.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

If increasing the CSA size does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20025**

### **Explanation**

There was insufficient storage in the common service area (CSA) to satisfy a request for storage.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

If increasing the CSA size does not solve the problem, collect the items listed in “Storage manager problem determination” on page 882 and contact your IBM support center.

## **00E20026**

### **Explanation**

A request for storage indicated that 4K bytes of private area storage in subpool 229 was not available.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

There is probably a shortage of private area storage in the address space in which the problem occurred. Increase region size.

If increasing the region size does not solve the problem, collect the items listed in "Storage manager problem determination" and contact your IBM support center.

## **00E20027, 00E20028, 00E20029, 00E2002A**

### **Explanation**

An internal error has occurred.

### **System action**

The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

### **System programmer response**

Collect the items listed in "Storage manager problem determination" and contact your IBM support center.

## **00E2002B**

### **Explanation**

This reason code code is used to force percolation when an error is encountered while in storage manager code and the storage manager has been called recursively.

### **System programmer response**

Refer to the originating error code.

## **Storage manager problem determination**

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error
- System dump
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Timer services codes (X'E3')

### 00E30001

#### Explanation

An internal error has occurred.

#### System programmer response

Collect the system dump, any trace information gathered and the related SYS1.LOGREC entries, and contact your IBM support center.

### 00E30002

#### Explanation

This reason code was issued because an attempt to call the z/OS macro STIMERM was unsuccessful. The return code from STIMERM is in register 9.

#### System programmer response

Analyze the system dump, correct the problem from the information contained in the dump, and restart the queue manager.

For information about the STIMERM macro, see the *MVS Programming: Assembler Services Reference* manual.

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## Agent services codes (X'E5')

If an agent services reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

### 00E50001, 00E50002

#### Explanation

An internal error has occurred.

#### System action

The requesting execution unit is ended abnormally.

#### System programmer response

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

**00E50004, 00E50005, 00E50006, 00E50007, 00E50008,  
00E50009, 00E50012**

**Explanation**

An internal error has occurred.

**System action**

The requesting execution unit is ended abnormally. A record is written to SYS1.LOGREC and an SVC dump is requested.

**System programmer response**

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

**00E50013**

**Explanation**

An MQ execution unit has been ended abnormally.

**System action**

The agent CANCEL processing continues.

**System programmer response**

This reason code might be issued as a result of any abnormal termination of a connected task, or a STOP QMGR MODE(FORCE) command. No further action is required in such cases.

If the error results in the termination of the queue manager, and you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

**00E50014**

**Explanation**

An internal error has occurred.

**System action**

An entry is written to SYS1.LOGREC, and an SVC dump is requested.

**System programmer response**

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50015

### Explanation

An internal error has occurred.

### System action

The operation is retried once. If this is not successful, the queue manager is terminated with reason code X'00E50054'.

A SYS1.LOGREC entry and an SVC dump are taken.

### System programmer response

Restart the queue manager if necessary.

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50029

### Explanation

The agent services function which establishes the MQ tasking structure ends abnormally with this reason code following the detection of a load module which was loaded without the 31-bit addressing capability. This is preceded by message CSQV029E.

### System action

Queue manager start-up is terminated.

### System programmer response

See message CSQV029E.

## 00E50030, 00E50031, 00E50032, 00E50035, 00E50036

### Explanation

An internal error has occurred.

### System action

The requesting execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50040

### Explanation

Queue manager termination was invoked following an unrecoverable error while processing a terminate allied agent request at the *thread*, or *identify* level.

### System action

The queue manager is terminated.

### System programmer response

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50041

### Explanation

Queue manager termination was invoked following an unrecoverable error while processing a terminate agent request.

### System action

The queue manager is terminated.

### System programmer response

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50042, 00E50044

### Explanation

An internal error has occurred.

### System action

The current execution unit is ended abnormally. A record is written to SYS1.LOGREC and an SVC dump is requested.

## **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

### **00E50045**

#### **Explanation**

Queue manager termination was invoked following an unrecoverable error while processing a create allied agent service request at the *thread*, or *identify* level.

#### **System action**

The queue manager is terminated.

#### **System programmer response**

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

### **00E50046**

#### **Explanation**

Queue manager termination was invoked following an unrecoverable error while processing a create agent structure request.

#### **System action**

The queue manager is terminated.

#### **System programmer response**

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

### **00E50047**

#### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated.

### **System programmer response**

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## **00E50050**

### **Explanation**

An internal error has occurred.

### **System action**

The requesting execution unit is ended abnormally.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA, indicating that synchronization services was responsible for queue manager termination.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## **00E50051**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is ended abnormally with a X'5C6' completion code and this reason code.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for queue manager termination.

### **System programmer response**

Restart the queue manager.



Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## 00E50052

### Explanation

The z/OS cross-memory lock (CML) could not be released.

### System action

The queue manager is ended abnormally with a X'5C6' completion code and this reason code.

An X'00E50054' recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for queue manager termination.

A record is written to SYS1.LOGREC and an SVC dump is produced.

### System programmer response

Restart the queue manager.

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## 00E50054

### Explanation

The queue manager is ended abnormally by the synchronization services recovery routine when an unrecoverable error is encountered during recovery processing for the SUSPEND, CANCEL, RESUME, or SRB REDISPATCH functions. This is a queue manager termination reason code.

One of the following conditions was encountered during recovery processing for the requested function:

- Unable to complete resume processing for an SRB mode execution unit that was suspended at time of error
- Errors were encountered during primary recovery processing causing entry to the secondary recovery routine
- Recovery initiated retry to mainline suspend/resume code caused retry recursion entry into the functional recovery routine
- Unable to obtain or release the cross-memory lock (CML) of the queue manager address space either during mainline processing or during functional recovery processing (for example, reason code X'00E50052')

### System action

The queue manager is terminated. This reason code is associated with a X'6C6' completion code indicating that synchronization services was responsible for termination.

## System programmer response

Restart the queue manager.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50055

### Explanation

The synchronization services functional recovery routine was unable to successfully complete resume processing for a suspended TCB mode execution unit. The resume processing was requested by the CANCEL or RESUME functions.

### System action

Because the suspended TCB mode execution unit must not be permitted to remain in a suspended state, the recovery routine invokes the z/OS CALLRTM (TYPE=ABTERM) service to end the execution unit abnormally with a X'6C6' completion code. Depending upon which execution unit was terminated, the queue manager might be ended abnormally.

### System programmer response

Restart the queue manager if necessary.

Scan the system log and the contents of SYS1.LOGREC for MQ errors occurring immediately before the end of the execution unit. Follow the problem determination procedures for the specific errors. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50059

### Explanation

An internal error has occurred.

### System action

If the module detecting the error is CSQVSDC0, it will be retried once. If validation is unsuccessful, the queue manager is terminated abnormally with a X'00E50054' reason code.

A SYS1.LOGREC entry and an SVC dump are requested.

### System programmer response

Restart the queue manager.

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50062**

### **Explanation**

An internal error has occurred.

### **System action**

The allied task is ended abnormally.

### **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50063**

### **Explanation**

An internal error has occurred.

### **System action**

The task is ended abnormally.

### **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50065**

### **Explanation**

An internal error has occurred.

### **System action**

The execution unit is ended abnormally.

### **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50069**

### **Explanation**

This reason code is issued during recovery processing for the suspend function when executing in SRB mode under the recovery routine established by the z/OS SRBSTAT(SAVE) service. Because the recovery routine established by this service is

the only routine in the FRR stack at the time of error, normal RTM percolation to the invoking resource manager recovery routine is not possible.

After recovery processing for the initial error has successfully completed, the RTM environment is exited through retry to a routine that restores the original FRR stack. This routine terminates abnormally with completion code X'5C6' and this reason code. This causes entry into the original recovery routine established during suspend initialization.

### **System action**

After this is intercepted by the original suspend recovery routine, a SYS1.LOGREC entry and SVC dump are requested to document the original error. The original recovery reason code is placed in the SDWACOMU field of the SDWA indicating the actions performed during recovery processing of the initial error. Control is then returned to the invoking resource manager's recovery routine through RTM percolation.

### **System programmer response**

Because this is used only to permit the transfer of the initial recovery reason code to the invoking resource manager's recovery routine, no further recovery actions are required for this reason code. Diagnostic information for the initial error encountered can be obtained through the SYS1.LOGREC and SVC dump materials provided.

## **00E50070**

### **Explanation**

To enable an internal task to terminate itself, the task has ended abnormally. This is not necessarily an error.

### **System action**

The task is ended abnormally.

If the service task is ended abnormally with a completion code of X'6C6', no SVC dump is taken.

### **System programmer response**

The error should be ignored if it happens in isolation, however, if it occurs in conjunction with other problems, these problems should be resolved.

If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## **00E50071**

### **Explanation**

An internal error has occurred.

**System action**

The internal task is ended abnormally.

**System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

**00E50072****Explanation**

An internal error has occurred.

**System action**

The queue manager is ended abnormally.

**System programmer response**

Restart the queue manager.

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

**00E50073****Explanation**

An internal error has occurred.

**System action**

The current execution unit is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

**System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

**00E50074****Explanation**

This reason code is issued in response to a nonzero return code from ATTACH during an attempt to create an internal task.

**System action**

The ATTACH is retried. A record is written to SYS1.LOGREC, and an SVC dump is requested. If a problem occurs again, the queue manager is terminated.

## **System programmer response**

Restart the queue manager if necessary.

Register 2, in the SDWA, contains the return code from the ATTACH request. If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50075, 00E50076, 00E50077, 00E50078**

### **Explanation**

An internal error has occurred.

### **System action**

The requesting execution unit is terminated. The queue manager might also be terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager if necessary.

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50079**

### **Explanation**

An internal error has occurred. This can occur if the allied address space is undergoing termination.

### **System action**

The requesting execution unit is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50080, 00E50081**

### **Explanation**

An internal error has occurred.

### **System action**

An SVC dump is requested specifying a completion code of X'5C6' and this reason code. No record is written to SYS1.LOGREC. Execution continues.

## **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50094, 00E50095, 00E50096, 00E50097, 00E50100**

### **Explanation**

An internal error has occurred.

### **System action**

The requesting recovery routine is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50101**

### **Explanation**

MQ was unable to establish an ESTAE.

### **System action**

The error is passed on to a subsystem support subcomponent (SSS) ESTAE. Probably, the queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

The inability to establish an ESTAE is normally due to insufficient free space in the local system queue area (LSQA) for an ESTAE control block (SCB). If necessary, increase the size of the queue manager address space.

Restart the queue manager.

Review the associated SVC dump for usage and free areas in the LSQA subpools belonging to the system services address space. If you are unable to solve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50102**

### **Explanation**

An unrecoverable error occurred while canceling all active agents during processing of the STOP QMGR MODE(FORCE) command. This is a queue manager termination reason code.

### **System action**

The queue manager is ended abnormally. A record is written to SYS1.LOGREC.

### **System programmer response**

Restart the queue manager.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem. Review the SYS1.LOGREC entries for errors immediately preceding queue manager termination.

## **00E50500**

### **Explanation**

A z/OS LOCAL or CML lock could not be obtained during queue manager abnormal termination processing.

### **System action**

The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

### **System programmer response**

Restart the queue manager if necessary.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem.

## **00E50501**

### **Explanation**

A z/OS LOCAL or CML lock could not be released during queue manager abnormal termination processing.

### **System action**

The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC. Queue manager termination is completed under a different execution unit if possible.

### **System programmer response**

Restart the queue manager.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem.



## 00E50502

### Explanation

A z/OS LOCAL lock could not be obtained during queue manager abnormal termination processing.

### System action

The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

### System programmer response

Restart the queue manager.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem.

## 00E50503

### Explanation

A z/OS LOCAL lock could not be released during queue manager abnormal termination processing.

### System action

The execution unit is ended abnormally. The error is recorded on SYS1.LOGREC, and abnormal queue manager termination is completed under a different execution unit if possible.

### System programmer response

Restart the queue manager.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem.

## 00E50504

### Explanation

This reason code is used to define the format of the information recorded in the SDWA variable recording area (VRA) by the queue manager termination processor. The code identifies additional information provided in the VRA for errors encountered in module CSQVATRM.

### System action

Recording of the error encountered during queue manager termination continues.

## System programmer response

None.

## 00E50505

### Explanation

This reason code is used to define the format of the information recorded in the SDWA variable recording area (VRA). The code identifies additional information provided in the VRA for errors encountered in module CSQVATR4.

### System action

Recording of the error encountered during queue manager termination continues.

## System programmer response

None.

## 00E50701

### Explanation

A problem occurred during Commit Phase-1. This is used to effect backout, deallocation, and end-UR processing.

### System action

The queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

## System programmer response

Restart the queue manager.

If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50702

### Explanation

An error occurred while processing in SRB mode which could not be recovered. This error can occur because the log data sets have been reformatted, without reformatting the page sets (so they still contain active data).

### System action

The queue manager is ended abnormally with this reason code. An SVC dump of the original error was requested by the recovery routine for CSQVEUS2 and a record written to SYS1.LOGREC.

## **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination.

## **00E50703**

### **Explanation**

This queue manager termination reason code is used following an error while attempting to resume a suspended execution unit. The successful completion of resume processing was 'indoubt'.

### **System action**

The queue manager is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Agent services problem determination" on page 905 useful in resolving the problem.

## **00E50704**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a dump is requested.

### **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## **00E50705**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is ended abnormally.

### **System programmer response**

Restart the queue manager.

Collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50706**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a dump is requested. A record is written to SYS1.LOGREC.

### **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50707**

### **Explanation**

An ESTAE could not be established.

### **System action**

The queue manager is ended abnormally. A record is written to SYS1.LOGREC.

### **System programmer response**

Review the usage and the free areas in the LSQA subpool of the queue manager address space. If necessary, increase the private area size of the address space.

Restart the queue manager.

If queue manager termination was requested by module CSQVRCT, a standard SVC dump was requested. If insufficient private storage is the cause of the problem, other MQ resource managers might have ended abnormally.

If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## 00E50708

### Explanation

An error occurred while connecting an allied agent to the queue manager address space. The connection must complete so that the allied agent can be terminated.

### System action

The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

### System programmer response

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination.

## 00E50709

### Explanation

An internal error has occurred.

### System action

The queue manager is ended abnormally.

### System programmer response

Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50710

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

### System programmer response

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. If you are unable to resolve the problem,

collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50711**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated with this reason code. An SVC dump of the original error was requested and a record entered into SYS1.LOGREC.

### **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries looking for one or more MQ errors immediately prior to the queue manager termination. If you are unable to resolve the problem, collect the items listed in “Agent services problem determination” on page 905 and contact your IBM support center.

## **00E50712**

### **Explanation**

An error occurred in a latch manager function attempting to terminate the holder of an MQ latch. The holder’s task has been set nondispatchable by z/OS and a CALLRTM to terminate this task was unsuccessful.

### **System action**

The queue manager is terminated with this reason code. An SVC dump of the error is requested and a record entered into SYS1.LOGREC. Register 3 at time of error contains the latch-holder’s TCB address in the home address space and register 4 contains the return code from CALLRTM.

### **System programmer response**

Restart the queue manager.

You might find the items listed in “Agent services problem determination” on page 905 useful in resolving the problem. Scan the SYS1.LOGREC entries for one or more MQ errors immediately prior to the queue manager termination.

## **00E50713**

### **Explanation**

An internal error has occurred.

## **System action**

The queue manager is ended abnormally. An SVC dump is requested by the queue manager termination processor and a record is written to SYS1.LOGREC.

## **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. It might be necessary to analyze the SVC dump requested. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## **00E50715**

### **Explanation**

Queue manager termination was requested following an unrecoverable error in an SRB mode execution unit.

### **System action**

The SRB-related task was ended abnormally as a result of SRB to TCB percolation. The queue manager is ended abnormally.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Agent services problem determination" on page 905 useful in resolving the problem. Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination.

## **00E50717**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is ended abnormally.

### **System programmer response**

Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. If an error preceded the queue manager termination request, diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50719

### Explanation

An internal error has occurred.

### System action

The queue manager is ended abnormally.

### System programmer response

Restart the queue manager.

Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. If you are unable to resolve the problem, collect the items listed in "Agent services problem determination" on page 905 and contact your IBM support center.

## 00E50725

### Explanation

Queue manager termination was requested because of an unrecovered error in a scheduled SRB-mode execution unit.

### System action

The SRB-related task was ended abnormally, due to SRB to TCB percolation. The queue manager is ended abnormally.

### System programmer response

Restart the queue manager.

You might find the items listed in "Agent services problem determination" on page 905 useful in resolving the problem. Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination. If necessary, analyze the SVC dump requested by queue manager termination.

## 00E50727

### Explanation

A secondary error occurred during agent services functional recovery processing. This is a queue manager termination reason code.

### System action

The queue manager is ended abnormally.

### System programmer response

Restart the queue manager.



You might find the items listed in “Agent services problem determination” useful in resolving the problem. Scan the SYS1.LOGREC entries for one or more MQ errors occurring immediately prior to the queue manager termination.

## Agent services problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump, if any
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Instrumentation facilities codes (X'E6')

If an instrumentation facilities reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in “Instrumentation facilities problem determination” on page 907 and contact your IBM support center.

### 00E60008

#### Explanation

An internal error has occurred.

#### System action

The function being traced is ended abnormally. The queue manager remains operational.

#### System programmer response

Collect the items listed in “Instrumentation facilities problem determination” on page 907 and contact your IBM support center.

### 00E60017

#### Explanation

This code is an internal code used by the dump formatter.

#### System action

The request is ended abnormally.

#### System programmer response

Collect the items listed in “Instrumentation facilities problem determination” on page 907 and contact your IBM support center.

## **00E60085, 00E60086, 00E60087, 00E60088, 00E60089**

### **Explanation**

An internal error has occurred.

### **System action**

The request is end abnormally.

### **System programmer response**

Collect the items listed in "Instrumentation facilities problem determination" on page 907 and contact your IBM support center.

## **00E60100 through 00E60199**

### **Explanation**

The reason codes X'00E60100' through X'00E60199' are used by the instrumentation facility component (IFC) when a trace event occurs for which IBM service personnel have requested a dump using the IFC selective dump service aid.

### **System action**

The agent might be retried or terminated, depending upon the serviceability dump request.

### **System programmer response**

The reason code is issued on the occurrence of a specified trace event. An SVC dump is taken to the SYS1.DUMPxx data set. Problem determination methods depend on the condition that IBM service personnel are attempting to trap.

## **00E60701**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Instrumentation facilities problem determination" on page 907 and contact your IBM support center.

## **00E60702, 00E60703, 00E60704**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Instrumentation facilities problem determination" and contact your IBM support center.

## **Instrumentation facilities problem determination**

Collect the following diagnostic items:

- Console output for the period leading up to the error
- System dump, if any
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## **Distributed queuing codes (X'E7')**

If a distributed queuing reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

### **00E70001**

#### **Explanation**

An internal error has occurred.

#### **System action**

The current execution unit terminates with completion code X'5C6'.

#### **System programmer response**

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

### **00E70002**

#### **Explanation**

No adapter subtasks are active. They have failed many times and so have not been restarted.

#### **System action**

The channel initiator terminates.

#### **System programmer response**

Investigate the adapter subtask failure problems, as reported in the messages associated with each failure.

## 00E70003

### Explanation

No dispatchers are active. Either all the dispatchers failed to start, or all the dispatchers have failed many times and so have not been restarted.

### System action

The channel initiator terminates.

### System programmer response

Investigate the dispatcher failure problems, as reported in the messages associated with each failure.

## 00E70004

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## 00E70007

### Explanation

An attempt by an adapter subtask to obtain some storage failed.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Increase the size of the channel initiator address space, or reduce the number of dispatchers, adapter subtasks, SSL server subtasks, and active channels being used.

## 00E70008, 00E70009, 00E7000A

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

## **System programmer response**

Collect the items listed in “Distributed queuing problem determination” on page 914 and contact your IBM support center.

### **00E70011**

#### **Explanation**

The channel initiator was unable to load the module CSQXBENT.

#### **System action**

The current execution unit terminates with completion code X'5C6'.

#### **System programmer response**

Check the console for messages indicating why CSQXBENT was not loaded. Ensure that the module is in the required library, and that it is referenced correctly.

The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task JCL procedure xxxxCHIN.

### **00E70013**

#### **Explanation**

Some adapter subtasks were requested, but none could be attached.

#### **System action**

The current execution unit terminates with completion code X'5C6'.

#### **System programmer response**

Investigate the adapter subtask attach problems, as reported in the messages associated with each failure. If you cannot resolve the problems, collect the items listed in “Distributed queuing problem determination” on page 914 and contact your IBM support center.

### **00E70015**

#### **Explanation**

An internal error has occurred.

#### **System action**

The current execution unit terminates with completion code X'5C6'.

#### **System programmer response**

Collect the items listed in “Distributed queuing problem determination” on page 914 and contact your IBM support center.

## **00E7001D**

### **Explanation**

During startup, the channel initiator was unable obtain some storage below 16M.

### **System action**

The channel initiator ends.

### **System programmer response**

Investigate the cause of the problem.

## **00E7001E, 00E7001F**

### **Explanation**

An internal error has occurred.

### **System action**

The channel initiator terminates with completion code X'5C6'.

### **System programmer response**

Restart the channel initiator.

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E70020**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Check the console for preceding error messages. If the problem cannot be resolved, collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E70021, 00E70022, 00E70023, 00E70024, 00E70025**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E70031**

### **Explanation**

An internal error has occurred. A lock is currently held by a task that has terminated.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Determine why the terminated task did not free the lock. This might be due to a previous error. If you are unable to resolve the problem, collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E70032**

### **Explanation**

An internal error has occurred. An attempt to update information held in the Coupling Facility failed.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Distributed queuing problem determination" on page 914, together with details of the queue-sharing group and of the queue managers active, as well as the queue managers defined to the queue-sharing group at the time. This information can be obtained by entering the following z/OS commands:

```
D XCF,GRP
```

to display a list of all queue-sharing groups in the Coupling Facility

```
D XCF,GRP,qsg-name,ALL
```

to display status about the queue managers defined to the queue-sharing group.

Contact your IBM support center.

## 00E70052

### Explanation

No SSL server subtasks are active. They have failed many times and so have not been restarted.

### System action

The channel initiator terminates.

### System programmer response

Investigate the SSL server subtask failure problems, as reported in the messages associated with each failure.

## 00E70053

### Explanation

Some SSL server subtasks were requested, but none could be attached.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Investigate the SSL server subtask attach problems, as reported in the messages associated with each failure. If you cannot resolve the problems, collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## 00E7010C

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6'.

### System programmer response

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## 00E7010E

### Explanation

The dispatcher detected an inconsistency in the linkage stack.



### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

The most likely cause is incorrect use of the linkage stack by a user exit; exits must issue any MQ API calls and return to the caller at the same linkage stack level as they were entered. If exits are not being used, or if they do not use the linkage stack, collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E7010F, 00E7014A, 00E7014C, 00E7014D**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E7014F**

### **Explanation**

An internal error has occurred. This is normally as a result of some previous error.

### **System action**

The current execution unit terminates with completion code X'5C6'.

### **System programmer response**

Check the console for preceding error messages reporting a previous error, and take the appropriate action for resolving that error. If there is no previous error, collect the items listed in "Distributed queuing problem determination" on page 914 and contact your IBM support center.

## **00E7015A, 00E70214, 00E70216, 00E70226, 00E70231, 00E70232, 00E70233, 00E70501, 00E70522, 00E70543, 00E70546, 00E70553**

### **Explanation**

An internal error has occurred.

## System action

The current execution unit terminates with completion code X'5C6'.

## System programmer response

Collect the items listed in "Distributed queuing problem determination" and contact your IBM support center.

## Distributed queuing problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error and details of any command being issued at the time of the failure
- The channel definitions being used
- If the error affected a message channel agent, a listing of any user channel exit programs used by the message channel agent
- Console output for the period leading up to the error
- Queue manager job log
- Channel initiator job log
- System dump resulting from the error, if any
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Initialization procedure and general services codes (X'E8')

If an initialization procedure reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

### 00E80001

#### Explanation

An internal error has occurred.

#### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

#### System programmer response

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80002

### Explanation

The queue manager address space was not started correctly or an error occurred during z/OS IEFSSREQ processing.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of an 8-byte field that contains the following diagnostic information:

- Bytes 1 through 4 – subsystem name
- Bytes 5 through 8 – contents of register 15 that contains the return code set by the z/OS IEFSSREQ macro

### System programmer response

You might find the items listed in “Initialization procedures problem determination” on page 930 useful in resolving the problem.

## 00E80003, 00E80004, 00E80005, 00E80006

### Explanation

An internal error has occurred.

### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in “Initialization procedures problem determination” on page 930 and contact your IBM support center.

## 00E8000E

### Explanation

An ESTAE could not be established for the queue manager address space control task.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of a 4-byte field that contains the ESTAE macro return code.

### System programmer response

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## **00E8000F**

### **Explanation**

Invalid startup parameters were specified. This was probably caused by an attempt to start the queue manager by some means other than a START QMGR command.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

If you are unable to resolve the problem, collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E80011**

### **Explanation**

The address space could not be made non-swappable.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## **00E80012**

### **Explanation**

An internal error has occurred.

### **System programmer response**

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80013, 00E8001F, 00E8002F

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80031

### **Explanation**

An unsupported input parameter was detected for allied address space initialization.

### **System action**

The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80032

### **Explanation**

An unsupported input parameter was detected for allied address space termination.

### **System action**

The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80033

### Explanation

This reason code accompanies a X'6C6' completion code. This module detected that the queue manager was terminating.

### System action

The caller's task is ended abnormally with code X'6C6'. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## 00E8003C

### Explanation

An internal error has occurred.

### System action

The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E8003D

### Explanation

An internal error has occurred.

### System action

Abnormal termination of the queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E8003E

### Explanation

An ESTAE could not be established in an address space about to be initialized as an MQ allied address space.

### System action

The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

If you are unable to resolve the problem, collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E8003F

### Explanation

An internal error has occurred.

### System action

The caller's task is ended abnormally. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80041

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E80042, 00E8004F**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E80051**

### **Explanation**

An error was detected in the command that was used to start the queue manager.

### **System action**

The queue manager is terminated.

### **System programmer response**

Reenter the command if it was entered incorrectly.

If you are unable to resolve the problem, contact your IBM support center.

## **00E80052, 00E80053, 00E80054, 00E80055**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.



## 00E80057

### Explanation

An error occurred while trying to start a queue manager address space. A possible cause of this problem would be an error in the started task JCL procedure for the queue manager.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## 00E80058

### Explanation

An error occurred during command prefix registration.

### System action

The queue manager ends abnormally.

### System programmer response

See the accompanying CSQYxxx messages for information about the cause of the problem.

Restart the queue manager after correcting the problem.

## 00E8005F, 00E80061, 00E8006F, 00E8007F

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80081

### Explanation

An invalid load module was detected.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of an 8-byte field that contains the name of the module in error.

### System programmer response

Check that the installation process was successful.

Restart the queue manager after resolving the problem.

If you are unable to resolve the problem, collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## 00E80084

### Explanation

A resource manager provided notification of an error during queue manager startup notification processing.

### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of a 4-byte field that contains the RMID of the resource manager that requested queue manager termination.

### System programmer response

Look for error messages indicating the cause of the problem.

Restart the queue manager after resolving the problem.

If you are unable to solve the problem, collect the items listed in "Initialization procedures problem determination" on page 930, together with the contents of the BSDS and a GTF trace, and contact your IBM support center.

## 00E8008F, 00E80091, 00E8009F, 00E800AF, 00E800B1

### Explanation

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E800CE**

### **Explanation**

An ESTAE could not be established.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of a 4-byte field that contains the ESTAE macro return code.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## **00E800D1**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E800D2**

### **Explanation**

An error was encountered while attempting to obtain the z/OS LOCAL lock.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## **00E800D3**

### **Explanation**

An error was encountered while attempting to release the z/OS LOCAL lock.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

## **00E800DF**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E80100**

### **Explanation**

The queue manager was ended abnormally because the queue manager address space control task ESTAE was entered. This reason code is issued for all completion codes, except for the X'5C6' completion code.

The queue manager is unable to determine the cause of the error.

### **System action**

Termination of the queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager after resolving the problem.

The subcomponent that caused the error is unknown. This reason code might be returned if the queue manager is unable to find the system parameter load module you specified on the START QMGR command (the default name is CSQZPARM). Check that the module you specified is available.

This reason code is also issued if the queue manager is canceled by the z/OS command CANCEL. If this is the case, determine why the queue manager was canceled.

You might find the items listed in "Initialization procedures problem determination" on page 930, together with the contents of the BSDS and a GTF trace, useful in resolving the problem.

## **00E8011D**

### **Explanation**

An internal error has occurred.

### **System action**

Termination of queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E8011E**

### **Explanation**

The allied address space task primary ESTAE detected that the secondary ESTAE could not be established.

### **System action**

Abnormal termination of allied address space is continued. A record is written to SYS1.LOGREC, and an SVC dump is requested.

## **System programmer response**

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

### **00E8011F**

#### **Explanation**

The allied address space task primary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by z/OS RTM.

#### **System action**

Abnormal termination of the allied address space is continued. A record is written to SYS1.LOGREC, and an SVC dump is requested.

#### **System programmer response**

You might find the items listed in "Initialization procedures problem determination" on page 930 useful in resolving the problem.

### **00E8012D**

#### **Explanation**

An internal error has occurred.

#### **System action**

Abnormal termination of queue manager is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

#### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

### **00E8012F**

#### **Explanation**

The allied address space task secondary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by z/OS.

#### **System action**

Continue with the abnormal termination of the allied address space. A record is written to SYS1.LOGREC, and an SVC dump is requested.

## System programmer response

You might find the items listed in “Initialization procedures problem determination” on page 930 useful in resolving the problem.

### 00E80130

#### Explanation

The FRR that protects the START QMGR/STOP QMGR command processor function was entered while a valid STOP QMGR command was being processed.

#### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

#### System programmer response

You might find the items listed in “Initialization procedures problem determination” on page 930 useful in resolving the problem.

### 00E80140

#### Explanation

An internal error has occurred.

#### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

#### System programmer response

Restart the queue manager.

Collect the items listed in “Initialization procedures problem determination” on page 930 and contact your IBM support center.

### 00E80150, 00E80151

#### Explanation

An invalid module was detected.

#### System action

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested. Register 9 contains the address of a 12-byte field that contains the following diagnostic information:

- Bytes 1 through 8 contain the name of the load module that contains the initialization entry point list with the invalid entry

## **System programmer response**

Restart the queue manager after resolving the problem.

Check that the installation process was successful. If you are unable to resolve the problem, collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E8015F**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## **00E80160**

### **Explanation**

The queue manager initialization procedures found that a load module had an invalid AMODE or RMODE attribute.

### **System action**

Queue manager startup is terminated.

### **System programmer response**

See message CSQY006E.

## **00E80161**

### **Explanation**

The queue manager initialization procedures found that a load module was not at the correct level for the version of the queue manager that was being started.

### **System action**

Queue manager startup is terminated.

### **System programmer response**

See message CSQY010E.



## 00E80162

### Explanation

The queue manager initialization procedures found that the storage protect key was not 7. The most likely cause is that the program properties table (PPT) entry for CSQYASCP has not been specified correctly.

### System action

Queue manager startup is terminated.

### System programmer response

Restart the queue manager after resolving the problem.

See the WebSphere MQ for z/OS System Setup Guide for information about specifying the PPT entry for CSQYASCP.

## 00E80163

### Explanation

The queue manager initialization procedures found that they were not APF authorized. The most likely cause is that the MQ load libraries are not APF authorized.

### System action

Queue manager startup is terminated.

### System programmer response

Restart the queue manager after resolving the problem.

See the WebSphere MQ for z/OS System Setup Guide for information about APF authorization for the MQ load libraries.

## 00E80170

### Explanation

An internal error has occurred.

### System action

The request is ignored.

### System programmer response

Collect the items listed in "Initialization procedures problem determination" on page 930 and contact your IBM support center.

## Initialization procedures problem determination

Collect the following diagnostic items:

- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error, if any
- Printout of SYS1.LOGREC
- System parameter load module
- Initialization procedure
- Started task JCL procedure for this queue manager
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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### System parameter manager codes (X'E9')

If a system parameter manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Initialization procedures problem determination" and contact your IBM support center.

#### 00E90101

##### Explanation

An error has occurred while trying to open MQ resources. The most likely cause is that a customized system parameter load module specified on the START QMGR command is not available.

##### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

##### System programmer response

Check that the system parameter load module you specified on the START QMGR command (the default name is CSQZPARM) is available for use. If it is, collect the items listed in "System parameter manager problem determination" on page 932 and contact your IBM support center.

#### 00E90201

##### Explanation

An internal error has occurred while attempting to open MQ resources.

##### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

##### System programmer response

Collect the items listed in "System parameter manager problem determination" on page 932 and contact your IBM support center.

## 00E90202

### Explanation

An error has occurred while attempting to open MQ resources. The most likely cause is that a customized system parameter load module specified on the START QMGR command (the default name is CSQZPARM) has been built incorrectly.

### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Check that the system parameter load module that you specified is available, and that it was linked correctly. (See the WebSphere MQ for z/OS System Setup Guide for information about this, and see CSQ4ZPRM for sample link-edit JCL.)

Restart the queue manager. If the problem persists, collect the items listed in “System parameter manager problem determination” on page 932 and contact your IBM support center.

## 00E90203

### Explanation

An internal error has occurred while attempting to verify descriptor control information in MQ resources.

### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in “System parameter manager problem determination” on page 932 and contact your IBM support center.

## 00E90301

### Explanation

An internal error has occurred while attempting to close MQ resources.

### System action

A record is written to SYS1.LOGREC, and an SVC dump is requested.

### System programmer response

Collect the items listed in “System parameter manager problem determination” on page 932 and contact your IBM support center.

## System parameter manager problem determination

Collect the following diagnostic items:

- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error, if any
- Printout of SYS1.LOGREC
- System parameter load module
- Initialization procedure
- Started task JCL procedure for this queue manager
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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### Service facilities codes (X'F1')

**00F10001, 00F10002, 00F10003, 00F10004, 00F10005,  
00F10006, 00F10007, 00F10008, 00F10009, 00F10010,  
00F10011, 00F10012, 00F10013, 00F10014, 00F10015,  
00F10016, 00F10017, 00F10018**

#### Explanation

An internal error has been detected in the CSQ1LOGP log print utility.

#### System action

A dump is requested. The utility ends abnormally with completion code X'5C6'.

#### System programmer response

Collect the following diagnostic items and contact your IBM support center:

- Utility report output
- System dump resulting from the error, if any
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

### 00F10100

#### Explanation

An internal error has been detected in the CSQ1LOGP log print utility.

#### System action

A dump is requested. The utility ends abnormally with completion code X'5C6'.

#### System programmer response

Resubmit the job.

Contact your IBM support center if the problem persists.

## 00F10101

### Explanation

The stand-alone log read function returned an invalid RBA. See the explanation for message CSQ1211E.

### System action

A dump is requested. The utility ends abnormally with completion code X'5C6'.

### System programmer response

If you determine that the data set is a log data set and that it is not damaged, contact your IBM support center.

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## WebSphere MQ-IMS bridge codes (X'F2')

If a WebSphere MQ-IMS bridge reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

**00F20001, 00F20002, 00F20003, 00F20004, 00F20005,  
00F20006, 00F20007, 00F20008, 00F20009, 00F2000A,  
00F2000B, 00F2000C, 00F2000D, 00F2000E, 00F2000F,  
00F20010, 00F20011**

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

## 00F20012

### Explanation

The MQ-IMS bridge received a bad return code from IXCQUERY macro.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

## **System programmer response**

Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

### **00F20013**

#### **Explanation**

The MQ-IMS bridge received a bad return from IXCJOIN macro.

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

### **00F20014**

#### **Explanation**

The MQ-IMS bridge received a bad return from IXCCREAT macro.

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

### **00F20015, 00F20016**

#### **Explanation**

An internal error has occurred.

#### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

#### **System programmer response**

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

## 00F20017

### Explanation

The MQ-IMS bridge received a bad return from IXCLEAVE macro.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

## 00F20018

### Explanation

The MQ-IMS bridge received a bad return from IXCDELET macro.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes. Contact your IBM support center to report the problem.

## 00F20019, 00F2001A, 00F2001B, 00F2001C, 00F2001D, 00F2001E, 00F2001F, 00F20020, 00F20021, 00F20022

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

## 00F20023

### Explanation

The MQ-IMS bridge received a bad return code from IXCMSSGO.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

## 00F20024, 00F20026, 00F20027, 00F20029, 00F2002A, 00F2002B

### Explanation

An internal error has occurred.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

## 00F2002C

### Explanation

The MQ-IMS bridge received a bad return code from IXCMSSGO.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

## 00F2002D, 00F2002E

### Explanation

An internal error has occurred.



**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

**00F20030****Explanation**

The MQ-IMS bridge received a bad return code from IXCMSSGO.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

**00F20031****Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

**00F20032****Explanation**

The MQ-IMS bridge received a bad return code from IXCMSSGO.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

## **System programmer response**

Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

**00F20035, 00F20036, 00F20037, 00F20038, 00F20039,  
00F2003A, 00F2003B, 00F2003D, 00F2003E, 00F2003F,  
00F20040**

### **Explanation**

An internal error has occurred.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

**00F20041**

### **Explanation**

The MQ-IMS bridge received an MQOPEN error.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

**00F20042**

### **Explanation**

The MQ-IMS bridge received an MQCLOSE error.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

## 00F20043

### Explanation

The MQ-IMS bridge received an MQGET error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Contact your IBM support center to report the problem.

## 00F20044

### Explanation

The MQ-IMS bridge received an MQPUT error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Contact your IBM support center to report the problem.

## 00F20045

### Explanation

The MQ-IMS bridge received an MQOPEN error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### System programmer response

Contact your IBM support center to report the problem.

## 00F20046

### Explanation

The MQ-IMS bridge received an MQCLOSE error.

### System action

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

## **00F20047**

### **Explanation**

The MQ-IMS bridge received an MQGET error.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

## **00F20048**

### **Explanation**

The MQ-IMS bridge received an MQPUT error.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

## **00F20049**

### **Explanation**

The MQ-IMS bridge received an MQPUT1 error.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

**00F2004A, 00F2004B, 00F2004C, 00F2004D, 00F2004E,  
00F2004F, 00F20050, 00F20051, 00F20052, 00F20053,  
00F20054, 00F20055, 00F20056, 00F20057**

**Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Collect the items listed in "WebSphere MQ-IMS bridge problem determination" on page 942 and contact your IBM support center.

**00F20058**

**Explanation**

The MQ-IMS bridge received an MQPUT1 error.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

Contact your IBM support center to report the problem.

**00F20059**

**Explanation**

The MQ-IMS bridge received a severe sense code in an IMS negative response.

**System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

**System programmer response**

The IMS sense code is given in message CSQ2003I.

**00F20069**

**Explanation**

The MQ-IMS bridge received an error when trying to resolve an in-doubt unit of recovery.

### **System action**

The current execution unit terminates with completion code X'5C6', and a dump is produced.

### **System programmer response**

Contact your IBM support center to report the problem.

## **WebSphere MQ-IMS bridge problem determination**

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- IMS job logs
- System dump resulting from the error
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## **Subsystem support codes (X'F3')**

Many of the following reason codes are returned in register 15 at the time of an abnormal termination with completion code X'0Cx', and not as the reason code for a completion code of X'5C6'. This is indicated in the descriptions that follow.

If a subsystem support reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

### **00F30003, 00F30004, 00F30005**

#### **Explanation**

An internal error has occurred.

#### **System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

#### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

### **00F30006**

#### **Explanation**

An internal error has occurred.

**System action**

The request is not processed.

**System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

**00F30007, 00F30008****Explanation**

An internal error has occurred.

**System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

**System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

**00F30014****Explanation**

An internal error has occurred.

**System action**

The requester's task is ended abnormally with completion code X'5C6'. A dump is taken, and an entry is written in SYS1.LOGREC.

**System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

**00F30027, 00F30030 ,00F30032, 00F30033, 00F30038****Explanation**

An internal error has occurred.

**System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30042**

### **Explanation**

An internal error has occurred.

### **System action**

A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30048**

### **Explanation**

An internal error has occurred.

### **System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30052**

### **Explanation**

The recovery coordinator for the caller has already terminated, so the connection from the caller to MQ has been terminated.

### **System action**

The request is not processed. The connection from the caller to MQ is terminated.

The caller may reconnect to MQ when the recovery coordinator has been restarted.

### **System programmer response**

Identify and restart the recovery coordinator.



This abnormal termination is most commonly associated with a termination of RRS. There may be additional CSQ3009E messages on the console log associated with the termination of RRS.

## **00F30053**

### **Explanation**

An internal error has occurred.

### **System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30067**

### **Explanation**

An internal error has occurred.

### **System action**

The connection request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30070**

### **Explanation**

Functional recovery for the connection processing could not be established. The executing module could not establish its ESTAE. This can occur if the current address space has insufficient storage. This might lead to an abnormal termination of the queue manager.

### **System action**

The connection request is not processed. The caller is ended abnormally with completion code X'5C6' and this reason code.

### **System programmer response**

Restart the queue manager if necessary. A dump should be taken for problem analysis.

Examine the usage and free areas in the LSQA portion of the current address space private area. If necessary, have the size of the private areas expanded.

The caller should produce a SYS1.LOGREC entry and an SVC dump, so that you can examine the LSQA area. You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30071**

### **Explanation**

An internal error has occurred.

### **System action**

The connection request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30075**

### **Explanation**

An internal error has occurred.

### **System action**

A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30078**

### **Explanation**

An internal error has occurred.

### **System action**

The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30080

### Explanation

An internal error has occurred.

### System action

The application program is ended abnormally with completion code X'5C6' and this reason code. A dump is taken, and an entry is written in SYS1.LOGREC.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30091

### Explanation

The application program issued an RRSAF IDENTIFY function request, but RRS is not available.

### System action

The IDENTIFY request is not processed.

### User response

Retry the IDENTIFY request after RRS has been started.

## 00F30093

### Explanation

The application program issued an RRSAF TERMINATE THREAD or TERMINATE IDENTIFY function request, but the application has issued an MQ API request since the last invocation of SRRCMIT or SRRBACK and therefore is not at a point of consistency.

### System action

The function request is not processed.

### User response

You can continue processing with a corrected request.

## 00F30095

### Explanation

An internal error was detected in either MQ or RRS.

### **System action**

The application is ended abnormally. The error is recorded in the SYS1.LOGREC data set and an SVC dump is requested.

This error might, in many cases, eventually cause the queue manager to terminate abnormally.

### **System programmer response**

This is probably either an error in MQ or in RRS.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30096**

### **Explanation**

An internal error was detected in either MQ or RRS Context Services.

### **System action**

The application is ended abnormally. The error is recorded in the SYS1.LOGREC data set and an SVC dump is requested.

This error might, in many cases, eventually cause the queue manager to terminate abnormally.

### **System programmer response**

This is probably either an error in MQ or in RRS.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30101**

### **Explanation**

The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error. See message CSQ3101E for details.

### **System action**

See message CSQ3101E.

### **System programmer response**

See message CSQ3101E.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## 00F30102

### Explanation

The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error. The MQ command prefix (CPF) must not be blank. For details, see message CSQ3102E.

### System action

See message CSQ3102E.

### System programmer response

See message CSQ3102E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F30103

### Explanation

The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error or the named module is not resident in a library available during IPL. See message CSQ3103E for details.

### System action

See message CSQ3103E.

### System programmer response

See message CSQ3103E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F30104

### Explanation

Module CSQ3UR00 was unable to obtain the affinity table index for the named subsystem. z/OS did not recognize the named subsystem. See message CSQ3109E for details.

### System action

See message CSQ3109E.

### System programmer response

See message CSQ3109E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F30105

### Explanation

Module CSQ3UR00 was unable to load Early module CSQ3EPX. Either there was an I/O error, or the named module is not resident in a library available during IPL. See message CSQ3105E for details.

### System action

See message CSQ3105E.

### System programmer response

See message CSQ3105E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F30106

### Explanation

The parameter contained in the IEFSSNxx member used to initialize MQ (and other subsystems) is in error. The scope of the MQ command prefix (CPF) is not valid. For details, see message CSQ3112E.

### System action

See message CSQ3112E.

### System programmer response

See message CSQ3112E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F30107

### Explanation

An error occurred during command prefix registration.

### System action

The MQ subsystem ends abnormally.

### System programmer response

See the accompanying CSQ3xxx messages for information about the cause of the problem.

## 00F30210, 00F30211, 00F30212, 00F30213, 00F30214

### Explanation

An internal error has occurred.

### System action

The caller is ended abnormally. An SVC dump and associated SYS1.LOGREC entries are produced.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30216

### Explanation

An attempt to create a queue manager address space failed. This is probably because the user who issued the START QMGR command has insufficient authority.

### System action

The current START command processing is terminated. An SVC dump and associated SYS1.LOGREC entries are produced.

### System programmer response

Check the authority of users and consoles to issue commands. Retry the command.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## 00F30217

### Explanation

The console ID for the z/OS console that entered the current command is not found in the z/OS unit control module (UCM) structure. An internal z/OS command might have been incorrectly issued by an application program that provided invalid input parameters.

### System action

The caller is ended abnormally.

### System programmer response

Retry the START QMGR command. If the command was unsuccessful, collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30218

### Explanation

An internal error has occurred.

### System action

The current task is ended abnormally. The calling task might have requested an SVC dump or created associated SYS1.LOGREC entries.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30219

### Explanation

An internal error has occurred.

### System action

The calling task is ended abnormally. The calling task might have requested an SVC dump or created associated SYS1.LOGREC entries.

### System programmer response

Cancel the queue manager. (End-of-task processing might still work, and it does a more complete clean-up than end-of-memory processing does.) If this does not work, issue the z/OS command FORCE for the queue manager. If the problem is still unresolved, re-IPL z/OS.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F3021A

### Explanation

An internal error has occurred.

### System action

The calling task is ended abnormally. An SVC dump and associated SYS1.LOGREC entries are produced.

### System programmer response

Stop the queue manager and reissue the START QMGR command.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.



## 00F3021C

### Explanation

An ESTAE could not be established. This can occur if the z/OS system address space that is broadcasting the command has insufficient storage.

### System action

The caller is ended abnormally (without a dump). The current START command processing is terminated.

### System programmer response

Retry the command. If the error persists, re-IPL z/OS.

Examine the LOGREC entries, and the console log for indications of a z/OS error, and try increasing the storage.

If you are unable to resolve the problem, collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F3021D

### Explanation

An ESTAE could not be established during either the initialization or termination of the queue manager.

This can occur during initialization if the z/OS system address space that is broadcasting the first command (assumed to be the START command) has insufficient storage. e

This can occur during termination if the current address space (usually the queue manager, or in the case of EOM broadcast, a z/OS system address space) has insufficient storage.

### System action

The caller is ended abnormally (without a dump). The initialization stops, but termination proceeds.

### System programmer response

Retry the command after the queue manager has terminated. If the problem persists, a re-IPL of z/OS might be necessary.

Examine the LOGREC entries, and the console log for indications of a z/OS error, and try increasing the storage.

If you are unable to resolve the problem, collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F3021E

### Explanation

An ESTAE could not be established while in the process of routing control to the actual ESTAE routine. The caller (RTM) is ended abnormally. This causes the original error to percolate to a higher-level recovery routine and causes this reason code to be shown in an RTM recovery environment.

This can occur if the current address space (usually an allied address space) has insufficient storage.

### System action

The caller is ended abnormally and a dump is produced.

### System programmer response

Examine the usage and free areas in the LSQA portion of the current address space private area. If necessary, have the size of the private area expanded.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## 00F3021F, 00F30220

### Explanation

An internal error has occurred.

### System action

The caller is not ended abnormally. A dump is taken, and an entry is written in SYS1.LOGREC.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30230

### Explanation

An internal error has occurred.

### System action

The connection between the allied address space and the queue manager terminated. A dump is taken, and an entry is written in SYS1.LOGREC.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30310

### Explanation

An internal error has occurred.

### System action

The invoker is ended abnormally. A dump is taken, and an entry is written in SYS1.LOGREC.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30311

### Explanation

An ESTAE could not be established during the processing of a resolve-indoubt request. This can occur if the current address space has insufficient storage. This will probably cause an abnormal termination of the queue manager.

### System action

The caller is ended abnormally.

### System programmer response

Restart the queue manager if necessary.

Examine the usage and free areas in the local system queue area (LSQA) portion of the current address space private area. If necessary, have the size of the private area expanded.

The caller should produce a SYS1.LOGREC entry and an SVC dump, so that you can examine the LSQA area.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## 00F30312

### Explanation

An ESTAE could not be established during the processing of a resolve-indoubt-UR request. This can occur if the current address space has insufficient storage.

### System action

The caller is ended abnormally.

## **System programmer response**

Examine the usage and free areas in the local system queue area (LSQA) portion of the current address space private area. If necessary, have the size of the private area expanded.

The caller should produce a SYS1.LOGREC entry and an SVC dump.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30313**

### **Explanation**

A control block could not be allocated. This could occur when the storage pool has no more free space available.

### **System action**

The request is not processed. The application program is ended abnormally with completion code X'5C6' and this reason code.

### **System programmer response**

A dump should be taken for problem analysis.

Check that you are running with the recommended region size, and if not, reset your system and retry. If you are unable to resolve the problem, collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30400, 00F30401, 00F30402**

### **Explanation**

An internal error has occurred.

### **System action**

The program which made the request might produce diagnostics to report the error.

### **System programmer response**

Collect the diagnostics produced by the application program reporting the error, if any, and contact your IBM support center.

## **00F30406**

### **Explanation**

The queue manager has gone to EOM (end-of-memory). This is probably because the z/OS command FORCE has been issued.

**System action**

The queue manager is terminated, and a dump is taken.

**System programmer response**

The queue manager can be restarted after termination completes.

Determine why the z/OS command FORCE was issued.

**00F30409, 00F3040A****Explanation**

An internal error has occurred.

**System action**

The queue manager is terminated with an SVC dump.

**System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

**00F3040B****Explanation**

See message CSQ3001E.

**System action**

See message CSQ3001E.

**System programmer response**

See message CSQ3001E.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

**00F3040C, 00F3040D****Explanation**

An internal error has occurred.

**System action**

The queue manager is terminated with an SVC dump.

### **System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F3040E**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated.

### **System programmer response**

The queue manager should be restarted.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F3040F, 00F30410**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated.

### **System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30411, 00F30412, 00F30413**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated.

### **System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F30414

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated.

### System programmer response

The queue manager can be started again after it terminates. If the problem persists, request a stand-alone dump, and re-IPL z/OS.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F30415

### Explanation

An ESTAE could not be established during the processing of an EOM SSI broadcast. This is probably a z/OS problem, because these modules are executing in the z/OS master scheduler address space.

### System action

The queue manager is terminated.

### System programmer response

The queue manager can be started again after it terminates. If the problem persists, re-IPL z/OS.

This can occur if the z/OS master scheduler address space has insufficient free storage. If such is the case, MQ is unable to write a SYS1.LOGREC record or request a dump. The z/OS master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in z/OS or MQ. Other unrelated errors in the z/OS Master Scheduler address space would indicate a z/OS problem.

If the problem appears to be an MQ problem, collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F30416

### Explanation

An ESTAE could not be established during the processing of an EOM for an allied address space.

### **System action**

The queue manager is terminated.

### **System programmer response**

The queue manager can be started again after it terminates. If the problem persists, re-IPL z/OS.

This can occur if the z/OS master scheduler address space has insufficient free storage. If such is the case, MQ is unable to write a SYS1.LOGREC record or request a dump. The z/OS master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in z/OS or MQ. Other unrelated errors in the z/OS Master Scheduler address space would indicate a z/OS problem.

If the problem appears to be an MQ problem, collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30417, 00F30418**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated.

### **System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30419**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated with an SVC dump.

### **System programmer response**

The queue manager can be started again after it terminates.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.



## 00F3041A

### Explanation

An ESTAE could not be established by the deferred end-of-task (EOT) processor. This error could occur only during queue manager startup. Probably, an ESTAE could not be established because of a shortage of LSQA space.

### System action

The queue manager is terminated.

### System programmer response

Restart the queue manager.

If the problem persists, increase the size of the queue manager address space private area.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## 00F3041B, 00F30420

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated. A SYS1.LOGREC entry and associated SVC dump were requested.

### System programmer response

Restart the queue manager.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## 00F30429

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated with an SVC dump.

### System programmer response

Restart the queue manager.

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

## **00F30450**

### **Explanation**

An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

### **System action**

The allied address space is ended abnormally (without a dump). A dump should be produced by the allied task.

### **System programmer response**

The user can retry the identify request. If a dump is available, review the storage manager’s control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## **00F30451**

### **Explanation**

An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

### **System action**

The allied task is ended abnormally (without a dump). A dump should be produced by the allied task.

### **System programmer response**

The user can retry the identify request. If a dump is available, review the storage manager’s control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

## **00F30452**

### **Explanation**

An ESTAE could not be established during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

### **System action**

The allied task is ended abnormally (without a dump). A dump should be produced by the allied task.

### **System programmer response**

The user can retry the identify request. If a dump is available, review the storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30453**

### **Explanation**

ESTAEs could not be established during the processing of a n SSI call other than FEOT, EOM, HELP, COMMAND, and IDENTIFY. This can occur if the current address space has insufficient storage.

### **System action**

The allied task is ended abnormally (without a dump). A dump should be produced by the allied task.

### **System programmer response**

The user can retry the request. If a dump is available, review the storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30454**

### **Explanation**

An internal error has occurred.

### **System action**

The allied task is ended abnormally.

### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30455

### Explanation

An ESTAE could not be established during the processing of an identify termination request. This can occur if the current address space has insufficient storage.

### System action

The allied task is ended abnormally (without a dump). A dump should be produced by the allied task.

### System programmer response

The user can retry the request. If a dump is available, review the storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## 00F30456

### Explanation

An internal error has occurred.

### System action

The calling task is ended abnormally.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30457

### Explanation

An internal error has occurred.

### System action

The caller is ended abnormally. The error might, in many cases, eventually terminate the queue manager.

### System programmer response

Restart the queue manager if necessary.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30459

### Explanation

An internal error has occurred.

### System action

The queue manager is terminated with a reason code of X'00F30420'.

### System programmer response

Restart the queue manager.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30461

### Explanation

The queue manager was unable to successfully restart with RRS because of an internal error in either MQ or RRS.

### System action

The queue manager is not connected to RRS and all services dependent on that connection are unavailable. This means that applications might not connect to the queue manager using RRSAF and that WLM-established address spaces might not be used for MQ stored procedures until the queue manager successfully restarts with RRS.

### System programmer response

Stop and then start RRS. Stop and then start the queue manager. If the problem persists, perform an RRS cold start.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30501, 00F30502

### Explanation

An internal error has occurred.

### System action

The requester is ended abnormally, and the request is not processed.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30503

### Explanation

CSQ6SYSP is missing from the system parameter load module.

### System action

Queue manager start-up is terminated.

### System programmer response

Recreate your system parameter load module (if a customized version is being used) and restart the queue manager. For information about the coding procedure for system parameter modules, see the WebSphere MQ for z/OS System Setup Guide.

## 00F30573, 00F30574

### Explanation

An internal error has occurred.

### System action

The requester is ended abnormally, and the request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30580

### Explanation

An internal error has occurred.

### System action

The requester is ended abnormally.

### System programmer response

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## 00F30581

### Explanation

An internal error has occurred.

### **System action**

The queue manager ends abnormally. The startup/shutdown ESTAE creates a SYS1.LOGREC entry and takes an SVC dump.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30597, 00F30598**

### **Explanation**

An internal error has occurred.

### **System action**

The allied task is ended abnormally, and the request is not processed.

### **System programmer response**

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30599**

### **Explanation**

An internal error has occurred.

### **System action**

The connection name associated with the error is probably unable to continue communication with MQ until the queue manager is terminated and restarted.

### **System programmer response**

If necessary, stop and restart the queue manager.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30601**

### **Explanation**

Asynchronous events occurred which caused the premature termination of the thread. The thread could not be recovered.

There might be other errors or messages concerning this allied user indicating what the asynchronous events were.

### **System action**

The allied user is ended abnormally with completion code X'5C6' and this reason code.

### **System programmer response**

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30610**

### **Explanation**

An ESTAE could not be established during the processing of an 'end stop-work force' notification. This can occur if there is insufficient storage. This might lead to abnormal termination of the queue manager.

### **System action**

The caller is ended abnormally. An SVC dump and related SYS1.LOGREC entry are requested.

### **System programmer response**

If necessary, restart the queue manager.

If necessary, increase the private area size of the address space.

You might find the items listed in "Subsystem support problem determination" on page 971 useful in resolving the problem.

## **00F30801**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager is terminated. An SVC dump is requested.

### **System programmer response**

Restart the queue manager.

Collect the items listed in "Subsystem support problem determination" on page 971 and contact your IBM support center.

## **00F30802**

### **Explanation**

An internal error has occurred.



**System action**

The task is not ended abnormally.

**System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

**00F30803****Explanation**

An ESTAE could not be established during the processing of an application program support call. This can occur if the current address space has insufficient storage.

**System action**

The allied task is ended abnormally. The allied task might have requested an SVC dump.

**System programmer response**

The user can retry the request. If necessary, increase the private area size of the application address space.

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

**00F30805****Explanation**

An internal error has occurred.

**System action**

The request might have been processed or rejected.

**System programmer response**

Collect the items listed in “Subsystem support problem determination” on page 971 and contact your IBM support center.

**00F30901****Explanation**

MQ has lost its cross-memory authority to an allied address space because the ally has released its authorization index.

**System action**

The allied address space is terminated.

## **System programmer response**

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

### **00F30902**

#### **Explanation**

MQ has detected a recursive error condition while processing End-of-Task for a task in an allied address space.

#### **System action**

The allied address space is terminated.

#### **System programmer response**

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

### **00F30903**

#### **Explanation**

An error has occurred while processing End-of-Task for the queue manager address space.

#### **System action**

The address space is forced to ‘end-of-memory’ with this reason code.

#### **System programmer response**

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

### **00F30904**

#### **Explanation**

End-of-Task occurred for the queue manager address space, and MQ could not establish an ESTAE to protect its processing. Insufficient storage might be the reason the ESTAE could not be established.

#### **System action**

The address space is forced to ‘end-of-memory’ with this reason code.

#### **System programmer response**

You might find the items listed in “Subsystem support problem determination” on page 971 useful in resolving the problem.

Attempt to determine if one or more MQ address spaces is storage-constrained. Examination of the console output for the time period preceding this condition might reveal other messages or indications that the terminating address space was storage-constrained.

## **00F30905**

### **Explanation**

End-of-Task occurred for the job step task in an allied address space. MQ would normally attempt to terminate the address space's connection to the queue manager but was unable to protect its processing by establishing an ESTAE. Insufficient storage might be the reason the ESTAE could not be established.

### **System action**

The address space is forced to 'end-of-memory' with this reason code.

### **System programmer response**

You might find the items listed in "Subsystem support problem determination" useful in resolving the problem.

Attempt to determine if one or more allied address spaces is storage-constrained. Examination of the console output for the time period preceding this condition might reveal other messages or indications that the terminating allied address space was storage-constrained.

## **00F33100**

### **Explanation**

The MQ thread is read-only.

### **System action**

A prepare issued by the application program was processed through Phase-1. MQ discovered there were no resources modified and no need for COMMIT or BACKOUT to be subsequently issued.

### **System programmer response**

This might create a path length saving by not issuing the subsequent commit or backout which normally follows prepare. No further action is required to complete the unit of recovery; the unit of recovery is complete.

## **Subsystem support problem determination**

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log

- System dump resulting from the error, if any
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## DB2 manager codes (X'F5')

If a DB2 manager reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

### 00F50000

#### Explanation

An internal error has occurred.

#### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

#### System programmer response

Ensure that the QSGDATA system parameter is specified correctly and restart the queue manager.

If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

### 00F50001

#### Explanation

An internal error has occurred.

#### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

#### System programmer response

Restart the queue manager.

If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

### 00F50002

#### Explanation

An internal error has occurred.

### **System action**

The task ends abnormally. Queue manager processing continues but the queue manager may not terminate normally and may not register DB2 termination.

### **System programmer response**

Refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50003**

### **Explanation**

An internal error has occurred.

### **System action**

The task ends abnormally. Queue manager processing continues.

### **System programmer response**

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50004**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### **System programmer response**

Ensure that the following modules are available through the linklist or the steplib concatenation: DSNRLI, DSNHLIR, DSNWLIR, ATRCMIT and ATRBACK. Restart the queue manager.

If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50006**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### **System programmer response**

All queue managers that are members of the same queue-sharing group must connect to the same DB2 data-sharing group. Check that all queue managers in the queue-sharing group have the same DB2 data-sharing group specified in the QSGDATA system parameter. Restart the queue manager.

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50007**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### **System programmer response**

Ensure that the DB2 subsystem(s) specified on the QSGDATA system parameter are members of the DB2 data-sharing group that is also specified on the QSGDATA system parameter. Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50008**

### **Explanation**

An internal error has occurred.

### **System action**

The task ends abnormally and processing continues.

### **System programmer response**

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50009

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Restart the queue manager.

Refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50010

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Restart the queue manager.

Refer to *z/OS MVS Programming: Sysplex Services Reference* for an explanation of the error and the diagnostic information, if any, that you must collect. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50013

### Explanation

No queue manager entry was found in the CSQ.ADMIN\_B\_QMGR table for this combination of queue manager and queue-sharing group, or the entry was incorrect.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

## System programmer response

Check the CSQ.ADMIN\_B\_QMGR table in the DB2 data-sharing group and ensure that an entry has been defined for the queue manager and it relates to the correct queue-sharing group.

If you are migrating from a previous release of MQ, check also that you have updated the DB2 tables to the format for the current release. See the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for information about migration and compatibility between releases.

Restart the queue manager. If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50014

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Check that the DB2 related installation and customization tasks have all completed successfully. Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50015

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect



the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50016

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Restart the queue manager.

If the problem persists, refer to *DB2 for z/OS Messages and Codes* for information about the completion and reason code in the accompanying message and collect the diagnostic data requested in the manual. In addition, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50017

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50018

### Explanation

An internal error has occurred.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

## **System programmer response**

See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50019**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### **System programmer response**

See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50021**

### **Explanation**

An internal error has occurred.

### **System action**

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### **System programmer response**

See *z/OS MVS Programming: Sysplex Services Reference* for information about the completion and reason code in the accompanying message.

Restart the queue manager. If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## **00F50024**

### **Explanation**

An internal error has occurred.

**System action**

The task ends abnormally and a dump is taken.

**System programmer response**

If the problem persists, collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

**00F50025****Explanation**

An internal error has occurred.

**System action**

The task ends abnormally and a dump is taken.

**System programmer response**

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

**00F50026****Explanation**

An internal error has occurred.

**System action**

The task ends abnormally and a dump is taken.

**System programmer response**

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

**00F50027****Explanation**

An internal error has occurred.

**System action**

The task ends abnormally and a dump is taken.

**System programmer response**

Collect the items listed in “DB2 manager problem determination” on page 981 and contact your IBM support center.

## 00F50028

### Explanation

An internal error has occurred.

### System action

The task ends abnormally and a dump is taken.

### System programmer response

This may be a temporary condition if DB2 or RRS has just failed. If the problem persists, collect the items listed in "DB2 manager problem determination" on page 981, together with output from DB2 command DISPLAY THREAD(\*), and contact your IBM support center.

## 00F50029

### Explanation

The queue manager has detected a mismatch between its supported versions of MQ and those of other members of the queue-sharing group.

### System action

The queue manager terminates, a record is written to SYS1.LOGREC and a dump is taken.

### System programmer response

Verify the started task JCL procedure for the queue manager (xxxxMSTR) is executing the correct version of MQ. Restart the queue manager. If the correct version is being executed, collect the items listed in "DB2 manager problem determination" on page 981, together with a printout of the CSQ.ADMIN\_B\_QMGR table from the DB2 data-sharing group to which the queue manager connected, and contact your IBM support center.

## 00F50901

### Explanation

An internal error has occurred.

### System action

The job ends abnormally with a X'5C6' completion code and a dump is taken.

### System programmer response

Collect the items listed in "DB2 manager problem determination" on page 981 and contact your IBM support center.

## 00F51030

### Explanation

An internal error has occurred.

### System action

The task ends abnormally and a dump is taken.

### System programmer response

Restart RRS if it has terminated. If RRS has not terminated, collect the items listed in “DB2 manager problem determination” and contact your IBM support center.

## DB2 manager problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error, if any
- Printout of SYS1.LOGREC
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels

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## Generalized command preprocessor codes (X'F9')

If a command preprocessor reason code occurs that is not listed here, an internal error has occurred. Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## 00F90000

### Explanation

An internal error has occurred.

### System action

Command execution was ended abnormally. If the command was properly entered, it might have been partially or completely executed.

### System programmer response

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

It might be necessary to restart the CICS or IMS adapter.

## 00F90001

### Explanation

An internal error has occurred.

### System action

Command execution was ended abnormally. If the command was properly entered, it might have been partially or completely executed.

### System programmer response

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

It might be necessary to restart the CICS or IMS adapter.

## 00F90002

### Explanation

The routines of the multiple console support (MCS) service of z/OS. were unable to initialize. This condition might indicate an error in the address space.

### System action

Initialization is stopped, causing the queue manager to terminate.

### System programmer response

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

Restart the queue manager.

## 00F90003

### Explanation

The routines of the multiple console support (MCS) service of z/OS were unable to initialize.

### System action

If the error was issued by module CSQ9SCNM, queue manager initialization is stopped, causing the queue manager to terminate. If the error was issued by module CSQ9SCN6, the command from the associated console is executed, and should proceed normally.

### System programmer response

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

## 00F90004

### Explanation

The routines of the multiple console support (MCS) service of z/OS detected a logic error.

### System action

The command was not executed.

### System programmer response

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## 00F90005

### Explanation

A routine of the multiple console support (MCS) service of z/OS was not able to create an ESTAE recovery environment. This condition is detected when the ESTAE service of z/OS returns a nonzero return code. The command from the associated z/OS console is not executed. See the *MVS Programming: Assembler Services Reference* manual for an explanation of ESTAE return codes.

### System action

Command processing is terminated.

### System programmer response

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## 00F90006

### Explanation

An internal error has occurred.

### System action

Agent allocation is terminated.

### System programmer response

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## 00F90007

### Explanation

An internal error has occurred.

### **System action**

The statistical update is not completed. The statistics block address is cleared from the CGDA to prevent future problems. No further command statistical counts are maintained. Processing for the command is retried and should complete normally.

### **System programmer response**

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

## **00F90008**

### **Explanation**

An internal error has occurred.

### **System action**

The function is ended abnormally.

### **System programmer response**

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

## **00F90009**

### **Explanation**

This reason code is used to document that module CSQ9SCN9 has added information to the SDWA variable recording area (VRA) following the data provided by the CSQWRCD service. If CSQ9SCN9 records an error in SYS1.LOGREC and the reason code in the VRA is not of the form X'00F9xxxx', the reason code is changed to X'00F90009'. This is done so that anyone examining a SYS1.LOGREC entry can determine, from the reason code, what additional data has been placed in the VRA. The reason code is the first data item in the VRA, as mapped by macro IHAVRA.

### **System programmer response**

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

## **00F9000A**

### **Explanation**

An internal error has occurred.

### **System action**

Command execution was ended abnormally. The command was not executed.



## **System programmer response**

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## **00F9000B**

### **Explanation**

An internal error occurred while attempting to obtain CSA storage. The storage request could not be satisfied, either because no CSA storage was available or because an unreasonably large amount of storage was requested. The amount of storage requested is determined by the length of the command being parsed. Normally, it is several hundred bytes.

### **System action**

Command execution is ended abnormally.

### **System programmer response**

It might be necessary to restart the CICS or IMS adapter, or the queue manager.

If the problem persists, collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## **00F9000C**

### **Explanation**

An internal error has occurred.

The command processor invoked attempted to return a message formatted for inclusion in a z/OS multiple line WTO (write to operator).

### **System action**

Command execution is ended abnormally.

### **System programmer response**

The command in error is identified by message CSQ9017E. It might be necessary to restart the CICS or IMS adapter, or the queue manager.

Collect the items listed in “Command preprocessor problem determination” on page 987 and contact your IBM support center.

## **00F9000D**

### **Explanation**

An internal error has occurred.

**System action**

The queue manager start-up is terminated.

**System programmer response**

Restart the queue manager.

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

**00F9000E****Explanation**

An internal error has occurred.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Collect the items listed in "Command preprocessor problem determination" on page 987 and contact your IBM support center.

**00F9000F****Explanation**

MQ was unable to locate the default userid to be used on a command check. This indicates that CSQ6SYSP is not in the system parameter load module.

**System action**

The current execution unit terminates with completion code X'5C6'.

**System programmer response**

Ensure that CSQ6SYSP is in the system parameter load module. Restart the queue manager if necessary.

**00F90010****Explanation**

An internal error has occurred while processing a command.

**System action**

Command execution was ended abnormally. The command was not executed.

## System programmer response

Collect the items listed in “Command preprocessor problem determination” and contact your IBM support center.

## Command preprocessor problem determination

Collect the following diagnostic items:

- A description of the action(s) that led to the error, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the error
- Console output for the period leading up to the error
- Queue manager job log
- System dump resulting from the error, if any
- The WebSphere MQ, z/OS, DB2, CICS, and IMS service levels
- ISPF panel name, if using the MQ Operations and Control panels
- The command issued prior to the error



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## Chapter 3. WebSphere MQ CICS abend codes

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### WebSphere MQ CICS bridge abend codes

#### CKB0

##### Explanation

This abend code is issued because the WebSphere MQ CICS adapter error handler is unable to load the message text module CSQFCTAB or CSQCMTXT. This module must be defined as a program entry in CICS, and exists in the WebSphere MQ library under the DFHRPL DD statement in the CICS JCL.

##### System action

The task invoking the message handler is ended abnormally.

##### System programmer response

Check that the installation process was followed correctly.

#### CKB1

##### Explanation

An internal logic error has been detected in the CICS bridge monitor.

##### System action

Message CSQC750E is written to the CICS CSMT transient data queue and the CICS bridge monitor task is ended abnormally.

##### Programmer response

See the description of message CSQC750E for more information.

#### CKB2

##### Explanation

The CICS bridge monitor has terminated with CICS bridge tasks still active.

##### System action

Message CSQC744E is written to the CICS CSMT transient data queue and the CICS bridge monitor task is ended abnormally.

##### Programmer response

See the description of message CSQC744E for more information.

## CKB3

### Explanation

The CICS DPL bridge program has detected an error in a request message for this unit of work.

### System action

All request messages for this unit of work are copied to the dead-letter queue with an MQFB\_CICS\_\* reason code. Corresponding error messages are written to the CICS CSMT transient data queue. An MQCRC\_BRIDGE\_ERROR reply is sent to the reply-to queue if requested. The CICS bridge task is ended abnormally.

### Programmer response

See the description of the accompanying messages for more information.

## CKB4

### Explanation

The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an EXEC CICS API call.

### System action

Message CSQC704E is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

### Programmer response

See the description of message CSQC704E for more information.

## CKB5

### Explanation

The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an MQ API call.

### System action

Message CSQC710E is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

### Programmer response

See the description of message CSQC710E for more information.

## **CKB6**

### **Explanation**

The CICS bridge message handling program is unable to proceed because its COMMAREA is too small.

### **System action**

The CICS bridge monitor is abnormally terminated.

### **Programmer response**

Check that you are running consistent versions of the CICS bridge monitor program CSQCBR00, and the message handling program CSQCBTX.

## **CKB7**

### **Explanation**

The CICS DPL bridge program abended before processing any messages for the unit of work.

### **System action**

All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor.

### **Programmer response**

See the description of the accompanying messages for more information.

## **CKB8**

### **Explanation**

The CICS DPL bridge program abended during error processing.

### **System action**

An unexpected error occurred during CICS DPL bridge error processing.

### **Programmer response**

See the description of the accompanying messages for more information. If the problem reoccurs, contact your IBM support center.

## **MBRA**

### **Explanation**

The type of EXEC CICS RECEIVE request does not match the next BRMQ vector.

**System action**

The transaction is abnormally terminated.

**Programmer response**

This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests. Check whether the RECEIVE requests are TC or BMS.

**MBRB****Explanation**

The size of the EXEC CICS SEND MAP request is too large for the output buffer (the maximum size is 20 KB).

**System action**

The transaction is abnormally terminated.

**Programmer response**

This transaction cannot be run using this version of the CICS bridge exit. If ADSDs were requested, it might be possible to run the transaction using the bridge without ADSDs.

**MBRC****Explanation**

An error occurred issuing an EXEC CICS SYNCPOINT request.

**System action**

The transaction is abnormally terminated.

**Programmer response**

This is probably a failure in a CICS resource. Look at the accompanying CICS messages.

**MBRD****Explanation**

An error occurred issuing an EXEC CICS SYNCPOINT ROLLBACK request.

**System action**

The transaction is abnormally terminated.



### **Programmer response**

This is probably a failure in a CICS resource. Look at the accompanying CICS messages.

## **MBRE, MBRF, MBRG**

### **Explanation**

The CICS bridge exit received an unexpected return code from an MQ API call.

### **System action**

The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### **Programmer response**

See the description of any accompanying MQ error messages for more information.

## **MBRH**

### **Explanation**

MQCIH field *ConversationalTask* was set to MQCCT\_NO, but the task was conversational.

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

Either set this field to MQCCT\_YES, or supply a BRMQ vector with the input data.

## **MBRI**

### **Explanation**

The size of the request message is too large for the input buffer (the maximum size is 20 KB).

### **System action**

The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### **Programmer response**

Split the message into multiple messages.

## MBRJ

### Explanation

The contents of the MQCIH or BRMQ vectors are incorrect.

### System action

The transaction is abnormally terminated.

### Programmer response

Look at the *AbendCode* and the *ErrorOffset* in the MQCIH of the reply.

## MBRK

### Explanation

The start data received by the CICS bridge exit is incorrect.

### System action

The transaction is abnormally terminated.

### Programmer response

This either indicates a storage overwrite, or an error in CKBR. Look at the dump to determine if this is a storage overwrite. If not, contact your IBM support center.

## MBRM

### Explanation

The CICS bridge exit received invalid calling parameters from CICS.

### System action

The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### Programmer response

This is probably the result of a storage overwrite. Look at the accompanying CICS dump to investigate the cause of the storage overwrite.

## MBRN

### Explanation

The request message was truncated.

### System action

The transaction is abnormally terminated.

### **Programmer response**

Check the program that put the message onto the bridge queue.

## **MBRO, MBRP**

### **Explanation**

The contents of the MQCIH or BRMQ vectors are incorrect.

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

Look at the *AbendCode* and the *ErrorOffset* in the MQCIH of the reply.

## **MBRQ**

### **Explanation**

A requested map did not have an associated ADSD.

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

Look at the transaction dump to find the map in error. Regenerate the map using CICS Transaction Server Version 1.2 or later. If the source of the map is not available, it can be regenerated. See the CICS Transaction Server documentation for more details.

## **MBRS**

### **Explanation**

The CICS bridge exit received an unexpected return code from an MQ API call to open a queue.

### **System action**

The transaction is abnormally terminated. All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor.

### **Programmer response**

See the description of any accompanying MQ error messages for more information.

## **MBR1, MBR2, MBR3, MBR6**

### **Explanation**

The CICS bridge exit received invalid calling parameters from CICS.

### **System action**

The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### **Programmer response**

This is probably the result of a storage overwrite. Look at the accompanying CICS dump to investigate the cause of the storage overwrite.

## **MBR7**

### **Explanation**

The size of the EXEC CICS TC output request is too large for the output buffer (the maximum size is 20 KB).

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

This transaction cannot be run using this version of the CICS bridge exit. The CICS bridge exit received invalid calling parameters from CICS.

## **MBR8**

### **Explanation**

The mapset name in the next BRMQ vector does not match the CICS request.

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests.

## **MBR9**

### **Explanation**

The map name in the next BRMQ vector does not match the CICS request.

### **System action**

The transaction is abnormally terminated.

### **Programmer response**

This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests.

## **MQB1**

### **Explanation**

The CICS bridge exit received an unexpected return code from an MQ API call when processing a backout request.

### **System action**

The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### **Programmer response**

See the description of any accompanying MQ error messages for more information.

## **MQB2**

### **Explanation**

The CICS bridge exit received an unexpected return code from an MQ API call when processing a commit request.

### **System action**

The data is not committed. The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

### **Programmer response**

See the description of any accompanying MQ error messages for more information.

## **MQB4**

### **Explanation**

The CICS bridge exit was unable to reread messages from the bridge request queue during backout processing.

### **System action**

The request messages are left on the CICS bridge queue with MQMD.BackoutCount set to 1.

## Programmer response

See the description of any accompanying MQ error messages for more information.

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## WebSphere MQ CICS adapter abend codes

### QAPI

#### Explanation

Unrecognizable API call. All supported API calls are documented in the WebSphere MQ Application Programming Reference.

#### System action

The task is ended abnormally.

#### Programmer response

See the WebSphere MQ Application Programming Reference manual for details of the API calls.

### QCAL

#### Explanation

The WebSphere MQ CICS adapter has been invoked by CICS for an unknown reason.

#### System action

The invoking task is ended abnormally.

#### System programmer response

Contact your IBM support center.

### QCMG

#### Explanation

This abend code is issued because the WebSphere MQ CICS adapter error handler is unable to load the message text module CSQFCTAB or CSQCMTXT. This module must be defined as a program entry in CICS, and exists in the WebSphere MQ library under the DFHRPL DD statement in the CICS JCL.

#### System action

The task invoking the message handler is ended abnormally.

#### System programmer response

Check that the installation process was followed correctly.

## QDCL

### Explanation

An attempt to EXEC CICS LOAD the data conversion service modules was unsuccessful.

### System action

The task is ended abnormally.

### Programmer response

Ensure that the correct library concatenation has been specified in the CICS DFHRPL. Ensure that you have updated your CICS CSD to include CSQAVICM.

## QGAL

### Explanation

CSQCCON had enabled CSQCTRUE with a global area smaller than that needed by CSQCTRUE. This could be due to a mismatch of version level between CSQCCON and CSQCTRUE.

### System action

The task is ended abnormally.

### Programmer response

Check that the versions of CSQCCON and CSQCTRUE are compatible. If you are unable to solve the problem, contact your IBM support center.

## QLOP

### Explanation

A task has issued more than one API call after they have been returned with completion code MQCC\_FAILED and one of the following reason codes:

- MQRC\_CONNECTION\_BROKEN
- MQRC\_CONNECTION\_NOT\_AUTHORIZED
- MQRC\_CONNECTION\_STOPPING
- MQRC\_Q\_MGR\_NAME\_ERROR
- MQRC\_Q\_MGR\_NOT\_AVAILABLE
- MQRC\_Q\_MGR\_STOPPING

### Note:

1. This runaway mechanism can be activated only after the WebSphere MQ CICS adapter has been enabled once (the adapter is enabled if an attempt is made to connect to MQ). Before the adapter has been enabled, such a task will loop with completion code set to MQCC\_FAILED and reason code MQRC\_ADAPTER\_NOT\_AVAILABLE.

2. The task will end abnormally even if a syncpoint is issued between successive MQ API calls.

### **System action**

The task is ended abnormally.

### **Programmer response**

Ensure that applications respond to this reason code by abending.

## **QNST**

### **Explanation**

A task has issued an API call that requires task switching, but there are no server subtasks available. This is because the subtasks have not yet started, or were not started successfully. (Message CSQC472I is issued for each subtask started; there should be eight of these.)

### **System action**

The task is ended abnormally.

This abend can also cause CICS to abend. This happens if either:

- In-doubt units of work are being resolved at connect time. The connection process requires a server subtask to execute the resolutions, so if there are no subtasks available, the process abends with this reason code. This abend during the resynchronization process causes CICS to abend.
- The abend occurs in a program list table (PLT) program.

### **System programmer response**

Check the value of the CTHREAD parameter in CSQ6SYSP, and increase it if it is not large enough. If this is not the cause of the problem, investigate why your system is running so slowly that the subtasks have not yet started. See the WebSphere MQ for z/OS System Setup Guide for information about setting a value for CTHREAD.

## **QTAL**

### **Explanation**

CSQCCON had enabled CSQCTRUE with a task area smaller than that needed by CSQCTRUE. This could be due to a mismatch of version level between CSQCCON and CSQCTRUE.

### **System action**

The task is ended abnormally.

### **Programmer response**

Check that the versions of CSQCCON and CSQCTRUE are compatible. If you are unable to solve the problem, contact your IBM support center.



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## Chapter 4. API completion and reason codes

For each call, a completion code and a reason code are returned by the queue manager or by an exit routine, to indicate the success or failure of the call.

For more information about the WebSphere MQ API, see the WebSphere MQ Application Programming Guide and the WebSphere MQ Application Programming Reference manual.

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### Completion codes

The following is a list of the completion codes (MQCC) returned by WebSphere MQ

#### 0: Successful completion (MQCC\_OK)

The call completed fully; all output parameters have been set.

The *Reason* parameter always has the value MQRC\_NONE in this case.

#### 1: Warning (partial completion) (MQCC\_WARNING)

The call completed partially. Some output parameters might have been set in addition to the *CompCode* and *Reason* output parameters.

The *Reason* parameter gives additional information.

#### 2: Call failed (MQCC\_FAILED)

The processing of the call did not complete, and the state of the queue manager is normally unchanged; exceptions are specifically noted. Only the *CompCode* and *Reason* output parameters have been set; all other parameters are unchanged.

The reason might be a fault in the application program, or it might be a result of some situation external to the program, for example the application's authority might have been revoked. The *Reason* parameter gives additional information.

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### Reason codes

The reason code parameter (*Reason*) is a qualification to the completion code parameter (*CompCode*).

If there is no special reason to report, MQRC\_NONE is returned. A successful call returns MQCC\_OK and MQRC\_NONE.

If the completion code is either MQCC\_WARNING or MQCC\_FAILED, the queue manager always reports a qualifying reason; details are given under each call description.

Where user exit routines set completion codes and reasons, they should adhere to these rules. In addition, any special reason values defined by user exits should be less than zero, to ensure that they do not conflict with values defined by the queue manager. Exits can set reasons already defined by the queue manager, where these are appropriate.

Reason codes also occur in:

- The *Reason* field of the MQDLH structure
- The *Feedback* field of the MQMD structure

## Reason code list

The following is a list of reason codes, in numeric order, providing detailed information to help you understand them, including:

- An explanation of the circumstances that have caused the code to be raised
- The associated completion code
- Suggested programmer actions in response to the code

See “Reason code cross reference” on page 1198 for a list of reason codes in alphabetic order.

### **0 (0000) (RC0): MQRC\_NONE**

#### **Explanation**

The call completed normally. The completion code (*CompCode*) is MQCC\_OK.

#### **Completion Code**

MQCC\_OK

#### **Programmer response**

None.

### **900 (0384) (RC900): MQRC\_APPL\_FIRST**

#### **Explanation**

This is the lowest value for an application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC\_APPL\_FIRST through MQRC\_APPL\_LAST to indicate particular conditions that the exit has detected.

#### **Completion Code**

MQCC\_WARNING or MQCC\_FAILED

#### **Programmer response**

As defined by the writer of the data-conversion exit.

### **999 (03E7) (RC999): MQRC\_APPL\_LAST**

#### **Explanation**

This is the highest value for an application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC\_APPL\_FIRST through MQRC\_APPL\_LAST to indicate particular conditions that the exit has detected.

## Completion Code

MQCC\_WARNING or MQCC\_FAILED

## Programmer response

As defined by the writer of the data-conversion exit.

## 2001 (07D1) (RC2001): MQRC\_ALIAS\_BASE\_Q\_TYPE\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the *BaseQName* in the alias queue definition resolves to a queue that is not a local queue, a local definition of a remote queue, or a cluster queue.

## Completion Code

MQCC\_FAILED

## Programmer response

Correct the queue definitions.

## 2002 (07D2) (RC2002): MQRC\_ALREADY\_CONNECTED

### Explanation

An MQCONN or MQCONNX call was issued, but the application is already connected to the queue manager.

- On z/OS, this reason code occurs for batch and IMS applications only; it does not occur for CICS applications.
- On AIX®, HP-UX, i5/OS®, Solaris, Windows®, this reason code occurs if the application attempts to create a nonshared handle when a nonshared handle already exists for the thread. A thread can have no more than one nonshared handle.
- On Windows, MTS objects do not receive this reason code, as additional connections to the queue manager are allowed.

## Completion Code

MQCC\_WARNING

## Programmer response

None. The *Hconn* parameter returned has the same value as was returned for the previous MQCONN or MQCONNX call.

An MQCONN or MQCONNX call that returns this reason code does *not* mean that an additional MQDISC call must be issued in order to disconnect from the queue manager. If this reason code is returned because the application has been called in a situation where the connect has already been done, a corresponding MQDISC should *not* be issued, because this will cause the application that issued the original MQCONN or MQCONNX call to be disconnected as well.

## 2003 (07D3) (RC2003): MQRC\_BACKED\_OUT

### Explanation

The current unit of work encountered a fatal error or was backed out. This occurs in the following cases:

- On an MQCMIT or MQDISC call, when the commit operation has failed and the unit of work has been backed out. All resources that participated in the unit of work have been returned to their state at the start of the unit of work. The MQCMIT or MQDISC call completes with MQCC\_WARNING in this case.
  - On z/OS, this reason code occurs only for batch applications.
- On an MQGET, MQPUT, or MQPUT1 call that is operating within a unit of work, when the unit of work has already encountered an error that prevents the unit of work being committed (for example, when the log space is exhausted). The application must issue the appropriate call to back out the unit of work. (For a unit of work coordinated by the queue manager, this call is the MQBACK call, although the MQCMIT call has the same effect in these circumstances.) The MQGET, MQPUT, or MQPUT1 call completes with MQCC\_FAILED in this case.
  - On z/OS, this case does not occur.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Check the returns from previous calls to the queue manager. For example, a previous MQPUT call may have failed.

## 2004 (07D4) (RC2004): MQRC\_BUFFER\_ERROR

### Explanation

The *Buffer* parameter is not valid for one of the following reasons:

- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The parameter pointer points to storage that cannot be accessed for the entire length specified by *BufferLength*.
- For calls where *Buffer* is an output parameter: the parameter pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the parameter.

## 2005 (07D5) (RC2005): MQRC\_BUFFER\_LENGTH\_ERROR

### Explanation

The *BufferLength* parameter is not valid, or the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason can also be returned to an MQ client program on the MQCONN or MQCONNX call if the negotiated maximum message size for the channel is smaller than the fixed part of any call structure.

This reason should also be returned by the MQZ\_ENUMERATE\_AUTHORITY\_DATA installable service component when the *AuthorityBuffer* parameter is too small to accommodate the data to be returned to the invoker of the service component.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value that is zero or greater. For the `mqAddString` and `mqSetString` calls, the special value `MQBL_NULL_TERMINATED` is also valid.

## 2006 (07D6) (RC2006): MQRC\_CHAR\_ATTR\_LENGTH\_ERROR

### Explanation

*CharAttrLength* is negative (for MQINQ or MQSET calls), or is not large enough to hold all selected attributes (MQSET calls only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value large enough to hold the concatenated strings for all selected attributes.

## 2007 (07D7) (RC2007): MQRC\_CHAR\_ATTRS\_ERROR

### Explanation

*CharAttrs* is not valid. The parameter pointer is not valid, or points to read-only storage for MQINQ calls or to storage that is not as long as implied by *CharAttrLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

## Programmer response

Correct the parameter.

### 2008 (07D8) (RC2008): MQRC\_CHAR\_ATTRS\_TOO\_SHORT

#### Explanation

For MQINQ calls, *CharAttrLength* is not large enough to contain all of the character attributes for which MQCA\_\* selectors are specified in the *Selectors* parameter.

The call still completes, with the *CharAttrs* parameter string filled in with as many character attributes as there is room for. Only complete attribute strings are returned: if there is insufficient space remaining to accommodate an attribute in its entirety, that attribute and subsequent character attributes are omitted. Any space at the end of the string not used to hold an attribute is unchanged.

An attribute that represents a set of values (for example, the namelist *Names* attribute) is treated as a single entity—either all of its values are returned, or none.

#### Completion Code

MQCC\_WARNING

## Programmer response

Specify a large enough value, unless only a subset of the values is needed.

### 2009 (07D9) (RC2009): MQRC\_CONNECTION\_BROKEN

#### Explanation

Connection to the queue manager has been lost. This can occur because the queue manager has ended. If the call is an MQGET call with the MQGMO\_WAIT option, the wait has been canceled. All connection and object handles are now invalid.

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC\_FAILED.

#### Completion Code

MQCC\_FAILED

## Programmer response

Applications can attempt to reconnect to the queue manager by issuing the MQCONN or MQCONNX call. It may be necessary to poll until a successful response is received.

- On z/OS for CICS applications, it is not necessary to issue the MQCONN or MQCONNX call, because CICS applications are connected automatically.

Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

## 2010 (07DA) (RC2010): MQRC\_DATA\_LENGTH\_ERROR

### Explanation

The *DataLength* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason can also be returned to an MQ client program on the MQGET, MQPUT, or MQPUT1 call, if the *BufferLength* parameter exceeds the maximum message size that was negotiated for the client channel.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the parameter.

If the error occurs for an MQ client program, also check that the maximum message size for the channel is big enough to accommodate the message being sent; if it is not big enough, increase the maximum message size for the channel.

## 2011 (07DB) (RC2011): MQRC\_DYNAMIC\_Q\_NAME\_ERROR

### Explanation

On the MQOPEN call, a model queue is specified in the *ObjectName* field of the *ObjDesc* parameter, but the *DynamicQName* field is not valid, for one of the following reasons:

- *DynamicQName* is completely blank (or blank up to the first null character in the field).
- Characters are present that are not valid for a queue name.
- An asterisk is present beyond the 33rd position (and before any null character).
- An asterisk is present followed by characters that are not null and not blank.

This reason code can also sometimes occur when a server application opens the reply queue specified by the *ReplyToQ* and *ReplyToQMGr* fields in the MQMD of a message that the server has just received. In this case the reason code indicates that the application that sent the original message placed incorrect values into the *ReplyToQ* and *ReplyToQMGr* fields in the MQMD of the original message.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid name.

## 2012 (07DC) (RC2012): MQRC\_ENVIRONMENT\_ERROR

### Explanation

The call is not valid for the current environment.

- On z/OS, one of the following applies:
  - An MQCONN or MQCONNX call was issued, but the application has been linked with an adapter that is not supported in the environment in which the application is running. For example, this can arise when the application is linked with the MQ RRS adapter, but the application is running in a DB2 Stored Procedure address space. RRS is not supported in this environment. Stored Procedures wishing to use the MQ RRS adapter must run in a DB2 WLM-managed Stored Procedure address space.
  - An MQCMIT or MQBACK call was issued, but the application has been linked with the RRS batch adapter CSQBRSTB. This adapter does not support the MQCMIT and MQBACK calls.
  - An MQCMIT or MQBACK call was issued in the CICS or IMS environment.
  - The RRS subsystem is not up and running on the z/OS system that ran the application.
- On HP OpenVMS, OS/2®, i5/OS, Compaq NonStop Kernel, UNIX® systems, and Windows, one of the following applies:
  - The application is linked to the wrong libraries (threaded or nonthreaded).
  - An MQBEGIN, MQCMIT, or MQBACK call was issued, but an external unit-of-work manager is in use. For example, this reason code occurs on Windows when an MTS object is running as a DTC transaction. This reason code also occurs if the queue manager does not support units of work.
  - The MQBEGIN call was issued in an MQ client environment.
  - An MQXCLWLN call was issued, but the call did not originate from a cluster workload exit.

### Completion Code

MQCC\_FAILED

### Programmer response

Do one of the following (as appropriate):

- On z/OS:
  - Link the application with the correct adapter.
  - Modify the application to use the SRRCMIT and SRRBACK calls in place of the MQCMIT and MQBACK calls. Alternatively, link the application with the RRS batch adapter CSQBRRSI. This adapter supports MQCMIT and MQBACK in addition to SRRCMIT and SRRBACK.
  - For a CICS or IMS application, issue the appropriate CICS or IMS call to commit or backout the unit of work.
  - Start the RRS subsystem on the z/OS system that is running the application.
- In the other environments:
  - Link the application with the correct libraries (threaded or nonthreaded).
  - Remove from the application the call that is not supported.



## **2013 (07DD) (RC2013): MQRC\_EXPIRY\_ERROR**

### **Explanation**

On an MQPUT or MQPUT1 call, the value specified for the *Expiry* field in the message descriptor MQMD is not valid.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a value that is greater than zero, or the special value MQEI\_UNLIMITED.

## **2014 (07DE) (RC2014): MQRC\_FEEDBACK\_ERROR**

### **Explanation**

On an MQPUT or MQPUT1 call, the value specified for the *Feedback* field in the message descriptor MQMD is not valid. The value is not MQFB\_NONE, and is outside both the range defined for system feedback codes and the range defined for application feedback codes.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQFB\_NONE, or a value in the range MQFB\_SYSTEM\_FIRST through MQFB\_SYSTEM\_LAST, or MQFB\_APPL\_FIRST through MQFB\_APPL\_LAST.

## **2016 (07E0) (RC2016): MQRC\_GET\_INHIBITED**

### **Explanation**

MQGET calls are currently inhibited for the queue, or for the queue to which this queue resolves.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

If the system design allows get requests to be inhibited for short periods, retry the operation later.

## **2017 (07E1) (RC2017): MQRC\_HANDLE\_NOT\_AVAILABLE**

### **Explanation**

An MQOPEN, MQPUT1 or MQSUB call was issued, but the maximum number of open handles allowed for the current task has already been reached. Be aware that when a distribution list is specified on the MQOPEN or MQPUT1 call, each queue in the distribution list uses one handle.

- On z/OS, “task” means a CICS task, a z/OS task, or an IMS-dependent region.

### Completion Code

MQCC\_FAILED

### Programmer response

Check whether the application is issuing MQOPEN calls without corresponding MQCLOSE calls. If it is, modify the application to issue the MQCLOSE call for each open object as soon as that object is no longer needed.

Also check whether the application is specifying a distribution list containing a large number of queues that are consuming all of the available handles. If it is, increase the maximum number of handles that the task can use, or reduce the size of the distribution list. The maximum number of open handles that a task can use is given by the *MaxHandles* queue manager attribute.

### 2018 (07E2) (RC2018): MQRC\_HCONN\_ERROR

#### Explanation

The connection handle *Hconn* is not valid, for one of the following reasons:

- The parameter pointer is not valid, or (for the MQCONN or MQCONNX call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The value specified was not returned by a preceding MQCONN or MQCONNX call.
- The value specified has been made invalid by a preceding MQDISC call.
- The handle is a shared handle that has been made invalid by another thread issuing the MQDISC call.
- The handle is a shared handle that is being used on the MQBEGIN call (only nonshared handles are valid on MQBEGIN).
- The handle is a nonshared handle that is being used a thread that did not create the handle.
- The call was issued in the MTS environment in a situation where the handle is not valid (for example, passing the handle between processes or packages; note that passing the handle between library packages *is* supported).

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that a successful MQCONN or MQCONNX call is performed for the queue manager, and that an MQDISC call has not already been performed for it. Ensure that the handle is being used within its valid scope (see the description of MQCONN in the WebSphere MQ Application Programming Reference).

- On z/OS, also check that the application has been linked with the correct stub; this is CSQCSTUB for CICS applications, CSQBSTUB for batch applications, and CSQQSTUB for IMS applications. Also, the stub used must not belong to a release of the queue manager that is more recent than the release on which the application will run.

## 2019 (07E3) (RC2019): MQRC\_HOBJ\_ERROR

### Explanation

The object handle *Hobj* is not valid, for one of the following reasons:

- The parameter pointer is not valid, or (for the MQOPEN call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The value specified was not returned by a preceding MQOPEN call.
- The value specified has been made invalid by a preceding MQCLOSE call.
- The handle is a shared handle that has been made invalid by another thread issuing the MQCLOSE call.
- The handle is a nonshared handle that is being used by a thread that did not create the handle.
- The call is MQGET or MQPUT, but the object represented by the handle is not a queue.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that a successful MQOPEN call is performed for this object, and that an MQCLOSE call has not already been performed for it. Ensure that the handle is being used within its valid scope (see the description of MQOPEN in the WebSphere MQ Application Programming Reference).

## 2020 (07E4) (RC2020): MQRC\_INHIBIT\_VALUE\_ERROR

### Explanation

On an MQSET call, the value specified for either the MQIA\_INHIBIT\_GET attribute or the MQIA\_INHIBIT\_PUT attribute is not valid.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid value for the *InhibitGet* or *InhibitPut* queue attribute.

## 2021 (07E5) (RC2021): MQRC\_INT\_ATTR\_COUNT\_ERROR

### Explanation

On an MQINQ or MQSET call, the *IntAttrCount* parameter is negative (MQINQ or MQSET), or smaller than the number of integer attribute selectors (MQIA\_\*) specified in the *Selectors* parameter (MQSET only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

## Completion Code

MQCC\_FAILED

## Programmer response

Specify a value large enough for all selected integer attributes.

## 2022 (07E6) (RC2022): MQRC\_INT\_ATTR\_COUNT\_TOO\_SMALL

### Explanation

On an MQINQ call, the *IntAttrCount* parameter is smaller than the number of integer attribute selectors (MQIA\_\*) specified in the *Selectors* parameter.

The call completes with MQCC\_WARNING, with the *IntAttrs* array filled in with as many integer attributes as there is room for.

## Completion Code

MQCC\_WARNING

## Programmer response

Specify a large enough value, unless only a subset of the values is needed.

## 2023 (07E7) (RC2023): MQRC\_INT\_ATTRS\_ARRAY\_ERROR

### Explanation

On an MQINQ or MQSET call, the *IntAttrs* parameter is not valid. The parameter pointer is not valid (MQINQ and MQSET), or points to read-only storage or to storage that is not as long as indicated by the *IntAttrCount* parameter (MQINQ only). (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

## Completion Code

MQCC\_FAILED

## Programmer response

Correct the parameter.

## 2024 (07E8) (RC2024): MQRC\_SYNCPOINT\_LIMIT\_REACHED

### Explanation

An MQGET, MQPUT, or MQPUT1 call failed because it would have caused the number of uncommitted messages in the current unit of work to exceed the limit defined for the queue manager (see the *MaxUncommittedMsgs* queue-manager attribute). The number of uncommitted messages is the sum of the following since the start of the current unit of work:

- Messages put by the application with the MQPMO\_SYNCPOINT option
- Messages retrieved by the application with the MQGMO\_SYNCPOINT option

- Trigger messages and COA report messages generated by the queue manager for messages put with the MQPMO\_SYNCPOINT option
- COD report messages generated by the queue manager for messages retrieved with the MQGMO\_SYNCPOINT option
- On Compaq NonStop Kernel, this reason code occurs when the maximum number of I/O operations in a single TM/MP transaction has been exceeded.

### Completion Code

MQCC\_FAILED

### Programmer response

Check whether the application is looping. If it is not, consider reducing the complexity of the application. Alternatively, increase the queue-manager limit for the maximum number of uncommitted messages within a unit of work.

- On z/OS, the limit for the maximum number of uncommitted messages can be changed by using the ALTER QMGR command.
- On i5/OS, the limit for the maximum number of uncommitted messages can be changed by using the CHGMQM command.
- On Compaq NonStop Kernel, the application should cancel the transaction and retry with a smaller number of operations in the unit of work. See the *MQSeries® for Tandem NonStop Kernel System Management Guide* for more details.

## 2025 (07E9) (RC2025): MQRC\_MAX\_CONNS\_LIMIT\_REACHED

### Explanation

The MQCONN or MQCONNX call was rejected because the maximum number of concurrent connections has been exceeded.

- On z/OS, connection limits are applicable only to TSO and batch requests. The limits are determined by the customer using the following parameters of the CSQ6SYSP macro:
  - For TSO: IDFORE
  - For batch: IDBACK

For more information, see the *Tailor your system parameter module in the WebSphere MQ for z/OS System Setup Guide*.

- On HP OpenVMS, OS/2, i5/OS, Compaq NonStop Kernel, UNIX systems, and Windows, this reason code can also occur on the MQOPEN call.
- When using Java™ applications, a limit to the number of concurrent connections may be defined by the connection manager.

### Completion Code

MQCC\_FAILED

### Programmer response

Either increase the size of the appropriate parameter value, or reduce the number of concurrent connections.

## 2026 (07EA) (RC2026): MQRC\_MD\_ERROR

### Explanation

The MQMD structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQMD\_STRUC\_ID.
- The *Version* field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQMD structure are set correctly.

## 2027 (07EB) (RC2027): MQRC\_MISSING\_REPLY\_TO\_Q

### Explanation

On an MQPUT or MQPUT1 call, the *ReplyToQ* field in the message descriptor MQMD is blank, but one or both of the following is true:

- A reply was requested (that is, MQMT\_REQUEST was specified in the *MsgType* field of the message descriptor).
- A report message was requested in the *Report* field of the message descriptor.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify the name of the queue to which the reply message or report message is to be sent.

## 2029 (07ED) (RC2029): MQRC\_MSG\_TYPE\_ERROR

### Explanation

Either:

- On an MQPUT or MQPUT1 call, the value specified for the *MsgType* field in the message descriptor (MQMD) is not valid.
- A message processing program received a message that does not have the expected message type. For example, if the WebSphere MQ command server receives a message which is not a request message (MQMT\_REQUEST) then it rejects the request with this reason code.

## Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid value for the *MsgType* field. In the case where a request is rejected by a message processing program, refer to the documentation for that program for details of the message types that it supports.

## 2030 (07EE) (RC2030): MQRC\_MSG\_TOO\_BIG\_FOR\_Q

### Explanation

An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue and MQMF\_SEGMENTATION\_ALLOWED was not specified in the *MsgFlags* field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue *MaxMsgLength* attribute and queue-manager *MaxMsgLength* attribute.

- On z/OS, the queue manager does not support the segmentation of messages; if MQMF\_SEGMENTATION\_ALLOWED is specified, it is accepted but ignored.

This reason code can also occur when MQMF\_SEGMENTATION\_ALLOWED is specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough to place on the queue:

- For a user-defined format, the smallest segment that the queue manager can create is 16 bytes.
- For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT\_STRING (for MQFMT\_STRING the minimum segment size is 16 bytes).

MQRC\_MSG\_TOO\_BIG\_FOR\_Q can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

## Completion Code

MQCC\_FAILED

### Programmer response

Check whether the *BufferLength* parameter is specified correctly; if it is, do one of the following:

- Increase the value of the queue's *MaxMsgLength* attribute; the queue-manager's *MaxMsgLength* attribute may also need increasing.
- Break the message into several smaller messages.
- Specify MQMF\_SEGMENTATION\_ALLOWED in the *MsgFlags* field in MQMD; this will allow the queue manager to break the message into segments.

## 2031 (07EF) (RC2031): MQRC\_MSG\_TOO\_BIG\_FOR\_Q\_MGR

### Explanation

An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue manager and MQMF\_SEGMENTATION\_ALLOWED was not specified in the *MsgFlags* field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue-manager *MaxMsgLength* attribute and queue *MaxMsgLength* attribute.

This reason code can also occur when MQMF\_SEGMENTATION\_ALLOWED is specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough for the queue-manager limit:

- For a user-defined format, the smallest segment that the queue manager can create is 16 bytes.
- For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT\_STRING (for MQFMT\_STRING the minimum segment size is 16 bytes).

MQRC\_MSG\_TOO\_BIG\_FOR\_Q\_MGR can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

This reason also occurs if a channel, through which the message is to pass, has restricted the maximum message length to a value that is actually less than that supported by the queue manager, and the message length is greater than this value.

- On z/OS, this return code is issued only if you are using CICS for distributed queuing. Otherwise, MQRC\_MSG\_TOO\_BIG\_FOR\_CHANNEL is issued.

### Completion Code

MQCC\_FAILED

### Programmer response

Check whether the *BufferLength* parameter is specified correctly; if it is, do one of the following:

- Increase the value of the queue-manager's *MaxMsgLength* attribute; the queue's *MaxMsgLength* attribute may also need increasing.
- Break the message into several smaller messages.
- Specify MQMF\_SEGMENTATION\_ALLOWED in the *MsgFlags* field in MQMD; this will allow the queue manager to break the message into segments.
- Check the channel definitions.



## 2033 (07F1) (RC2033): MQRC\_NO\_MSG\_AVAILABLE

### Explanation

An MQGET call was issued, but there is no message on the queue satisfying the selection criteria specified in MQMD (the *MsgId* and *CorrelId* fields), and in MQGMO (the *Options* and *MatchOptions* fields). Either the MQGMO\_WAIT option was not specified, or the time interval specified by the *WaitInterval* field in MQGMO has expired. This reason is also returned for an MQGET call for browse, when the end of the queue has been reached.

This reason code can also be returned by the mqGetBag and mqExecute calls. mqGetBag is similar to MQGET. For the mqExecute call, the completion code can be either MQCC\_WARNING or MQCC\_FAILED:

- If the completion code is MQCC\_WARNING, some response messages were received during the specified wait interval, but not all. The response bag contains system-generated nested bags for the messages that were received.
- If the completion code is MQCC\_FAILED, no response messages were received during the specified wait interval.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

If this is an expected condition, no corrective action is required.

If this is an unexpected condition, check that:

- The message was put on the queue successfully.
- The unit of work (if any) used for the MQPUT or MQPUT1 call was committed successfully.
- The options controlling the selection criteria are specified correctly. All of the following can affect the eligibility of a message for return on the MQGET call:
  - MQGMO\_LOGICAL\_ORDER
  - MQGMO\_ALL\_MSGS\_AVAILABLE
  - MQGMO\_ALL\_SEGMENTS\_AVAILABLE
  - MQGMO\_COMPLETE\_MSG
  - MQMO\_MATCH\_MSG\_ID
  - MQMO\_MATCH\_CORREL\_ID
  - MQMO\_MATCH\_GROUP\_ID
  - MQMO\_MATCH\_MSG\_SEQ\_NUMBER
  - MQMO\_MATCH\_OFFSET
  - Value of *MsgId* field in MQMD
  - Value of *CorrelId* field in MQMD

Consider waiting longer for the message.

## 2034 (07F2) (RC2034): MQRC\_NO\_MSG\_UNDER\_CURSOR

### Explanation

An MQGET call was issued with either the MQGMO\_MSG\_UNDER\_CURSOR or the MQGMO\_BROWSE\_MSG\_UNDER\_CURSOR option. However, the browse cursor is not positioned at a retrievable message. This is caused by one of the following:

- The cursor is positioned logically before the first message (as it is before the first MQGET call with a browse option has been successfully performed).
- The message the browse cursor was positioned on has been locked or removed from the queue (probably by some other application) since the browse operation was performed.
- The message the browse cursor was positioned on has expired.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the application logic. This may be an expected reason if the application design allows multiple servers to compete for messages after browsing. Consider also using the MQGMO\_LOCK option with the preceding browse MQGET call.

## 2035 (07F3) (RC2035): MQRC\_NOT\_AUTHORIZED

### Explanation

The user is not authorized to perform the operation attempted:

- On an MQCONN or MQCONNX call, the user is not authorized to connect to the queue manager.
  - On z/OS, for CICS applications, MQRC\_CONNECTION\_NOT\_AUTHORIZED is issued instead.
- On an MQOPEN or MQPUT1 call, the user is not authorized to open the object for the option(s) specified.
  - On z/OS, if the object being opened is a model queue, this reason also arises if the user is not authorized to create a dynamic queue with the required name.
- On an MQCLOSE call, the user is not authorized to delete the object, which is a permanent dynamic queue, and the *Hobj* parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue.
- On a command, the user is not authorized to issue the command, or to access the object it specifies.

This reason code can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

### Completion Code

MQCC\_FAILED

### **Programmer response**

Ensure that the correct queue manager or object was specified, and that appropriate authority exists.

### **2036 (07F4) (RC2036): MQRC\_NOT\_OPEN\_FOR\_BROWSE**

#### **Explanation**

An MQGET call was issued with one of the following options:

- MQGMO\_BROWSE\_FIRST
- MQGMO\_BROWSE\_NEXT
- MQGMO\_BROWSE\_MSG\_UNDER\_CURSOR
- MQGMO\_MSG\_UNDER\_CURSOR

but the queue had not been opened for browse.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_BROWSE when the queue is opened.

### **2037 (07F5) (RC2037): MQRC\_NOT\_OPEN\_FOR\_INPUT**

#### **Explanation**

An MQGET call was issued to retrieve a message from a queue, but the queue had not been opened for input.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify one of the following when the queue is opened:

- MQOO\_INPUT\_SHARED
- MQOO\_INPUT\_EXCLUSIVE
- MQOO\_INPUT\_AS\_Q\_DEF

### **2038 (07F6) (RC2038): MQRC\_NOT\_OPEN\_FOR\_INQUIRE**

#### **Explanation**

An MQINQ call was issued to inquire object attributes, but the object had not been opened for inquire.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_INQUIRE when the object is opened.

### **2039 (07F7) (RC2039): MQRC\_NOT\_OPEN\_FOR\_OUTPUT**

#### **Explanation**

An MQPUT call was issued to put a message on a queue, but the queue had not been opened for output.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_OUTPUT when the queue is opened.

### **2040 (07F8) (RC2040): MQRC\_NOT\_OPEN\_FOR\_SET**

#### **Explanation**

An MQSET call was issued to set queue attributes, but the queue had not been opened for set.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_SET when the object is opened.

### **2041 (07F9) (RC2041): MQRC\_OBJECT\_CHANGED**

#### **Explanation**

Object definitions that affect this object have been changed since the *Hobj* handle used on this call was returned by the MQOPEN call. See the description of MQOPEN in the WebSphere MQ Application Programming Reference for more information.

This reason does not occur if the object handle is specified in the *Context* field of the *PutMsgOpts* parameter on the MQPUT or MQPUT1 call.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Issue an MQCLOSE call to return the handle to the system. It is then usually sufficient to reopen the object and retry the operation. However, if the object definitions are critical to the application logic, an MQINQ call can be used after reopening the object, to obtain the new values of the object attributes.

## 2042 (07FA) (RC2042): MQRC\_OBJECT\_IN\_USE

### Explanation

An MQOPEN call was issued, but the object in question has already been opened by this or another application with options that conflict with those specified in the *Options* parameter. This arises if the request is for shared input, but the object is already open for exclusive input; it also arises if the request is for exclusive input, but the object is already open for input (of any sort).

MCAs for receiver channels, or the intra-group queuing agent (IGQ agent), may keep the destination queues open even when messages are not being transmitted; this results in the queues appearing to be “in use”. Use the MQSC command DISPLAY QSTATUS to find out who is keeping the queue open.

- On z/OS, this reason can also occur for an MQOPEN or MQPUT1 call, if the object to be opened (which can be a queue, or for MQOPEN a namelist or process object) is in the process of being deleted.

### Completion Code

MQCC\_FAILED

### Programmer response

System design should specify whether an application is to wait and retry, or take other action.

## 2043 (07FB) (RC2043): MQRC\_OBJECT\_TYPE\_ERROR

### Explanation

On the MQOPEN or MQPUT1 call, the *ObjectType* field in the object descriptor MQOD specifies a value that is not valid. For the MQPUT1 call, the object type must be MQOT\_Q.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid object type.

## 2044 (07FC) (RC2044): MQRC\_OD\_ERROR

### Explanation

On the MQOPEN or MQPUT1 call, the object descriptor MQOD is not valid, for one of the following reasons:

- The *StrucId* field is not MQOD\_STRUC\_ID.
- The *Version* field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQOD structure are set correctly.

## 2045 (07FD) (RC2045): MQRC\_OPTION\_NOT\_VALID\_FOR\_TYPE

### Explanation

On an MQOPEN or MQCLOSE call, an option is specified that is not valid for the type of object or queue being opened or closed.

For the MQOPEN call, this includes the following cases:

- An option that is inappropriate for the object type (for example, MQOO\_OUTPUT for an MQOT\_PROCESS object).
- An option that is unsupported for the queue type (for example, MQOO\_INQUIRE for a remote queue that has no local definition).
- One or more of the following options:
  - MQOO\_INPUT\_AS\_Q\_DEF
  - MQOO\_INPUT\_SHARED
  - MQOO\_INPUT\_EXCLUSIVE
  - MQOO\_BROWSE
  - MQOO\_INQUIRE
  - MQOO\_SET

when either:

- the queue name is resolved through a cell directory, or
- *ObjectQMgrName* in the object descriptor specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and the queue named in the *RemoteQMgrName* attribute of the definition is the name of the local queue manager.

For the MQCLOSE call, this includes the following case:

- The MQCO\_DELETE or MQCO\_DELETE\_PURGE option when the queue is not a dynamic queue.

This reason code can also occur on the MQOPEN call when the object being opened is of type MQOT\_NAMELIST, MQOT\_PROCESS, or MQOT\_Q\_MGR, but the *ObjectQMgrName* field in MQOD is neither blank nor the name of the local queue manager.

### Completion Code

MQCC\_FAILED

## Programmer response

Specify the correct option. For the MQOPEN call, ensure that the *ObjectQMgrName* field is set correctly. For the MQCLOSE call, either correct the option or change the definition type of the model queue that is used to create the new queue.

### 2046 (07FE) (RC2046): MQRC\_OPTIONS\_ERROR

#### Explanation

The *Options* parameter or field contains options that are not valid, or a combination of options that is not valid.

- For the MQOPEN, MQCLOSE, MQXCNVC, mqBagToBuffer, mqBufferToBag, mqCreateBag, and mqExecute calls, *Options* is a separate parameter on the call. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- For the MQBEGIN, MQCONN, MQGET, MQPUT, and MQPUT1 calls, *Options* is a field in the relevant options structure (MQBO, MQCNO, MQGMO, or MQPMO).

#### Completion Code

MQCC\_FAILED

## Programmer response

Specify valid options. Check the description of the *Options* parameter or field to determine which options and combinations of options are valid. If multiple options are being set by adding the individual options together, ensure that the same option is not added twice.

### 2047 (07FF) (RC2047): MQRC\_PERSISTENCE\_ERROR

#### Explanation

On an MQPUT or MQPUT1 call, the value specified for the *Persistence* field in the message descriptor MQMD is not valid.

#### Completion Code

MQCC\_FAILED

## Programmer response

Specify one of the following values:

- MQPER\_PERSISTENT
- MQPER\_NOT\_PERSISTENT
- MQPER\_PERSISTENCE\_AS\_Q\_DEF

## 2048 (0800) (RC2048): MQRC\_PERSISTENT\_NOT\_ALLOWED

### Explanation

On an MQPUT or MQPUT1 call, the value specified for the *Persistence* field in MQMD (or obtained from the *DefPersistence* queue attribute) specifies MQPER\_PERSISTENT, but the queue on which the message is being placed does not support persistent messages. Persistent messages cannot be placed on temporary dynamic queues.

This reason code can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify MQPER\_NOT\_PERSISTENT if the message is to be placed on a temporary dynamic queue. If persistence is required, use a permanent dynamic queue or predefined queue in place of a temporary dynamic queue.

Be aware that server applications are recommended to send reply messages (message type MQMT\_REPLY) with the same persistence as the original request message (message type MQMT\_REQUEST). If the request message is persistent, the reply queue specified in the *ReplyToQ* field in the message descriptor MQMD cannot be a temporary dynamic queue. Use a permanent dynamic queue or predefined queue as the reply queue in this situation.

On z/OS, you cannot put persistent messages to a shared queue if the CFSTRUCT that the queue uses is defined with RECOVER(NO). Either put only non-persistent messages to this queue or change the queue definition to RECOVER(YES). If you put a persistent message to a queue that uses a CFSTRUCT with RECOVER(NO) the put will fail with MQRC\_PERSISTENT\_NOT\_ALLOWED.

## 2049 (0801) (RC2049): MQRC\_PRIORITY\_EXCEEDS\_MAXIMUM

### Explanation

An MQPUT or MQPUT1 call was issued, but the value of the *Priority* field in the message descriptor MQMD exceeds the maximum priority supported by the local queue manager, as shown by the *MaxPriority* queue-manager attribute. The message is accepted by the queue manager, but is placed on the queue at the queue manager's maximum priority. The *Priority* field in the message descriptor retains the value specified by the application that put the message.

### Completion Code

MQCC\_WARNING

### Programmer response

None required, unless this reason code was not expected by the application that put the message.



## 2050 (0802) (RC2050): MQRC\_PRIORITY\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the value of the *Priority* field in the message descriptor MQMD is not valid. The maximum priority supported by the queue manager is given by the *MaxPriority* queue-manager attribute.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value in the range zero through *MaxPriority*, or the special value MQPRI\_PRIORITY\_AS\_Q\_DEF.

## 2051 (0803) (RC2051): MQRC\_PUT\_INHIBITED

### Explanation

MQPUT and MQPUT1 calls are currently inhibited for the queue, or for the queue to which this queue resolves.

This reason code can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

### Completion Code

MQCC\_FAILED

### Programmer response

If the system design allows put requests to be inhibited for short periods, retry the operation later.

## 2052 (0804) (RC2052): MQRC\_Q\_DELETED

### Explanation

An *Hobj* queue handle specified on a call refers to a dynamic queue that has been deleted since the queue was opened. (See the description of MQCLOSE in the WebSphere MQ Application Programming Reference for information about the deletion of dynamic queues.)

- On z/OS, this can also occur with the MQOPEN and MQPUT1 calls if a dynamic queue is being opened, but the queue is in a logically-deleted state. See MQCLOSE for more information about this.

### Completion Code

MQCC\_FAILED

## Programmer response

Issue an MQCLOSE call to return the handle and associated resources to the system (the MQCLOSE call will succeed in this case). Check the design of the application that caused the error.

### 2053 (0805) (RC2053): MQRC\_Q\_FULL

#### Explanation

An MQPUT or MQPUT1 call, or a command, failed because the queue is full, that is, it already contains the maximum number of messages possible, as specified by the *MaxQDepth* queue attribute.

This reason code can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

#### Completion Code

MQCC\_FAILED

## Programmer response

Retry the operation later. Consider increasing the maximum depth for this queue, or arranging for more instances of the application to service the queue.

### 2055 (0807) (RC2055): MQRC\_Q\_NOT\_EMPTY

#### Explanation

An MQCLOSE call was issued for a permanent dynamic queue, but the call failed because the queue is not empty or still in use. One of the following applies:

- The MQCO\_DELETE option was specified, but there are messages on the queue.
- The MQCO\_DELETE or MQCO\_DELETE\_PURGE option was specified, but there are uncommitted get or put calls outstanding against the queue.

See the usage notes pertaining to dynamic queues for the MQCLOSE call for more information.

This reason code is also returned from a command to clear or delete or move a queue, if the queue contains uncommitted messages (or committed messages in the case of delete queue without the purge option).

#### Completion Code

MQCC\_FAILED

## Programmer response

Check why there might be messages on the queue. Be aware that the *CurrentQDepth* queue attribute might be zero even though there are one or more messages on the queue; this can happen if the messages have been retrieved as part of a unit of work that has not yet been committed. If the messages can be discarded, try using the MQCLOSE call with the MQCO\_DELETE\_PURGE option. Consider retrying the call later.

## 2056 (0808) (RC2056): MQRC\_Q\_SPACE\_NOT\_AVAILABLE

### Explanation

An MQPUT or MQPUT1 call was issued, but there is no space available for the queue on disk or other storage device.

This reason code can also occur in the *Feedback* field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

Check whether an application is putting messages in an infinite loop. If not, make more disk space available for the queue.

## 2057 (0809) (RC2057): MQRC\_Q\_TYPE\_ERROR

### Explanation

One of the following occurred:

- On an MQOPEN call, the *ObjectQMgrName* field in the object descriptor MQOD or object record MQOR specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and in that local definition the *RemoteQMgrName* attribute is the name of the local queue manager. However, the *ObjectName* field in MQOD or MQOR specifies the name of a model queue on the local queue manager; this is not allowed. See the WebSphere MQ Application Programming Guide for more information.
- On an MQPUT1 call, the object descriptor MQOD or object record MQOR specifies the name of a model queue.
- On a previous MQPUT or MQPUT1 call, the *ReplyToQ* field in the message descriptor specified the name of a model queue, but a model queue cannot be specified as the destination for reply or report messages. Only the name of a predefined queue, or the name of the *dynamic* queue created from the model queue, can be specified as the destination. In this situation the reason code MQRC\_Q\_TYPE\_ERROR is returned in the *Reason* field of the MQDLH structure when the reply message or report message is placed on the dead-letter queue.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid queue.

## 2058 (080A) (RC2058): MQRC\_Q\_MGR\_NAME\_ERROR

### Explanation

On an MQCONN or MQCONNX call, the value specified for the *QMgrName* parameter is not valid or not known. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

- On z/OS for CICS applications, this reason can occur on *any* call if the original connect specified an incorrect or unrecognized name.

This reason code can also occur if an MQ client application attempts to connect to a queue manager within an MQ-client queue-manager group (see the *QMgrName* parameter of MQCONN), and either:

- Queue-manager groups are not supported.
- There is no queue-manager group with the specified name.

### Completion Code

MQCC\_FAILED

### Programmer response

Use an all-blank name if possible, or verify that the name used is valid.

## 2059 (080B) (RC2059): MQRC\_Q\_MGR\_NOT\_AVAILABLE

### Explanation

This occurs:

1. On an MQCONN or MQCONNX call, the queue manager identified by the *QMgrName* parameter is not available for connection.
  - On z/OS:
    - For batch applications, this reason can be returned to applications running in LPARs that do not have a queue manager installed.
    - For CICS applications, this reason can occur on *any* call if the original connect specified a queue manager whose name was recognized, but which is not available.
  - On i5/OS, this reason can also be returned by the MQOPEN and MQPUT1 calls, when MQHC\_DEF\_HCONN is specified for the *Hconn* parameter by an application running in compatibility mode.
2. On an MQCONN or MQCONNX call from an MQ client application:
  - Attempting to connect to a queue manager within an MQ-client queue-manager group when none of the queue managers in the group is available for connection (see the *QMgrName* parameter of the MQCONN call).
  - If there is an error with the client-connection or the corresponding server-connection channel definitions.
  - On z/OS, if the optional OS/390 Client Attachment feature has not been installed.
3. If a command uses the *CommandScope* parameter specifying a queue manager that is not active in the queue-sharing group.

## Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the queue manager has been started. If the connection is from a client application, check the channel definitions.

## 2061 (080D) (RC2061): MQRC\_REPORT\_OPTIONS\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the *Report* field in the message descriptor MQMD contains one or more options that are not recognized by the local queue manager. The options that cause this reason code to be returned depend on the destination of the message; see the description of REPORT in the WebSphere MQ Application Programming Reference for more details.

This reason code can also occur in the *Feedback* field in the MQMD of a report message, or in the *Reason* field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the report options specified by the sender of the message.

## Completion Code

MQCC\_FAILED

### Programmer response

Do the following:

- Ensure that the *Report* field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQRO\_NONE if no report options are required.
- Ensure that the report options specified are valid; see the *Report* field described in the description of MQMD in the WebSphere MQ Application Programming Reference for valid report options.
- If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice.
- Check that conflicting report options are not specified. For example, do not add both MQRO\_EXCEPTION and MQRO\_EXCEPTION\_WITH\_DATA to the *Report* field; only one of these can be specified.

## 2062 (080E) (RC2062): MQRC\_SECOND\_MARK\_NOT\_ALLOWED

### Explanation

An MQGET call was issued specifying the MQGMO\_MARK\_SKIP\_BACKOUT option in the *Options* field of MQGMO, but a message has already been marked within the current unit of work. Only one marked message is allowed within each unit of work.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application so that no more than one message is marked within each unit of work.

### **2063 (080F) (RC2063): MQRC\_SECURITY\_ERROR**

#### **Explanation**

An MQCONN, MQCONNX, MQOPEN, MQPUT1, or MQCLOSE call was issued, but it failed because a security error occurred.

- On z/OS, the security error was returned by the External Security Manager.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Note the error from the security manager, and contact your system programmer or security administrator.

- On i5/OS, the FFST log will contain the error information.

### **2065 (0811) (RC2065): MQRC\_SELECTOR\_COUNT\_ERROR**

#### **Explanation**

On an MQINQ or MQSET call, the *SelectorCount* parameter specifies a value that is not valid. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a value in the range 0 through 256.

### **2066 (0812) (RC2066): MQRC\_SELECTOR\_LIMIT\_EXCEEDED**

#### **Explanation**

On an MQINQ or MQSET call, the *SelectorCount* parameter specifies a value that is larger than the maximum supported (256).

### **Completion Code**

MQCC\_FAILED

## Programmer response

Reduce the number of selectors specified on the call; the valid range is 0 through 256.

### 2067 (0813) (RC2067): MQRC\_SELECTOR\_ERROR

#### Explanation

An MQINQ or MQSET call was issued, but the *Selectors* array contains a selector that is not valid for one of the following reasons:

- The selector is not supported or out of range.
- The selector is not applicable to the type of object whose attributes are being inquired or set.
- The selector is for an attribute that cannot be set.

This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

#### Completion Code

MQCC\_FAILED

## Programmer response

Ensure that the value specified for the selector is valid for the object type represented by *Hobj*. For the MQSET call, also ensure that the selector represents an integer attribute that can be set.

### 2068 (0814) (RC2068): MQRC\_SELECTOR\_NOT\_FOR\_TYPE

#### Explanation

On the MQINQ call, one or more selectors in the *Selectors* array is not applicable to the type of the queue whose attributes are being inquired.

This reason also occurs when the queue is a cluster queue that resolved to a remote instance of the queue. In this case only a subset of the attributes that are valid for local queues can be inquired. See the usage notes in the description of MQINQ in the WebSphere MQ Application Programming Reference for further details.

The call completes with MQCC\_WARNING, with the attribute values for the inapplicable selectors set as follows:

- For integer attributes, the corresponding elements of *IntAttrs* are set to MQIAV\_NOT\_APPLICABLE.
- For character attributes, the appropriate parts of the *CharAttrs* string are set to a character string consisting entirely of asterisks (\*).

#### Completion Code

MQCC\_WARNING

## Programmer response

Verify that the selector specified is the one that was intended.

If the queue is a cluster queue, specifying one of the MQOO\_BROWSE, MQOO\_INPUT\_\*, or MQOO\_SET options in addition to MQOO\_INQUIRE forces the queue to resolve to the local instance of the queue. However, if there is no local instance of the queue the MQOPEN call fails.

## 2069 (0815) (RC2069): MQRC\_SIGNAL\_OUTSTANDING

### Explanation

An MQGET call was issued with either the MQGMO\_SET\_SIGNAL or MQGMO\_WAIT option, but there is already a signal outstanding for the queue handle *Hobj*.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

### Completion Code

MQCC\_FAILED

## Programmer response

Check the application logic. If it is necessary to set a signal or wait when there is a signal outstanding for the same queue, a different object handle must be used.

## 2070 (0816) (RC2070): MQRC\_SIGNAL\_REQUEST\_ACCEPTED

### Explanation

An MQGET call was issued specifying MQGMO\_SET\_SIGNAL in the *GetMsgOpts* parameter, but no suitable message was available; the call returns immediately. The application can now wait for the signal to be delivered.

- On z/OS, the application should wait on the Event Control Block pointed to by the *Signal1* field.
- On Windows 95, Windows 98, the application should wait for the signal Windows message to be delivered.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

### Completion Code

MQCC\_WARNING

## Programmer response

Wait for the signal; when it is delivered, check the signal to ensure that a message is now available. If it is, reissue the MQGET call.

- On z/OS, wait on the ECB pointed to by the *Signal1* field and, when it is posted, check it to ensure that a message is now available.



- On Windows 95, Windows 98, the application (thread) should continue executing its message loop.

## **2071 (0817) (RC2071): MQRC\_STORAGE\_NOT\_AVAILABLE**

### **Explanation**

The call failed because there is insufficient main storage available.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that active applications are behaving correctly, for example, that they are not looping unexpectedly. If no problems are found, make more main storage available.

- On z/OS, if no application problems are found, ask your system programmer to increase the size of the region in which the queue manager runs.

## **2072 (0818) (RC2072): MQRC\_SYNCPOINT\_NOT\_AVAILABLE**

### **Explanation**

Either MQGMO\_SYNCPOINT was specified on an MQGET call or MQPMO\_SYNCPOINT was specified on an MQPUT or MQPUT1 call, but the local queue manager was unable to honor the request. If the queue manager does not support units of work, the *SyncPoint* queue-manager attribute will have the value MQSP\_NOT\_AVAILABLE.

This reason code can also occur on the MQGET, MQPUT, and MQPUT1 calls when an external unit-of-work coordinator is being used. If that coordinator requires an explicit call to start the unit of work, but the application has not issued that call prior to the MQGET, MQPUT, or MQPUT1 call, reason code MQRC\_SYNCPOINT\_NOT\_AVAILABLE is returned.

- On i5/OS, this reason codes means that i5/OS Commitment Control is not started, or is unavailable for use by the queue manager.
- On z/OS, this reason code does not occur.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the specification of MQGMO\_SYNCPOINT or MQPMO\_SYNCPOINT, as appropriate.

- On i5/OS, ensure that Commitment Control has been started. If this reason code occurs after Commitment Control has been started, contact your system programmer.

## **2075 (081B) (RC2075): MQRC\_TRIGGER\_CONTROL\_ERROR**

### **Explanation**

On an MQSET call, the value specified for the MQIA\_TRIGGER\_CONTROL attribute selector is not valid.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a valid value.

## **2076 (081C) (RC2076): MQRC\_TRIGGER\_DEPTH\_ERROR**

### **Explanation**

On an MQSET call, the value specified for the MQIA\_TRIGGER\_DEPTH attribute selector is not valid.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a value that is greater than zero.

## **2077 (081D) (RC2077): MQRC\_TRIGGER\_MSG\_PRIORITY\_ERR**

### **Explanation**

On an MQSET call, the value specified for the MQIA\_TRIGGER\_MSG\_PRIORITY attribute selector is not valid.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a value in the range zero through the value of *MaxPriority* queue-manager attribute.

## **2078 (081E) (RC2078): MQRC\_TRIGGER\_TYPE\_ERROR**

### **Explanation**

On an MQSET call, the value specified for the MQIA\_TRIGGER\_TYPE attribute selector is not valid.

### **Completion Code**

MQCC\_FAILED

### Programmer response

Specify a valid value.

### **2079 (081F) (RC2079): MQRC\_TRUNCATED\_MSG\_ACCEPTED**

#### Explanation

On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO\_ACCEPT\_TRUNCATED\_MSG option was specified, so the call completes. The message is removed from the queue (subject to unit-of-work considerations), or, if this was a browse operation, the browse cursor is advanced to this message.

The *DataLength* parameter is set to the length of the message before truncation, the *Buffer* parameter contains as much of the message as fits, and the MQMD structure is filled in.

#### Completion Code

MQCC\_WARNING

### Programmer response

None, because the application expected this situation.

### **2080 (0820) (RC2080): MQRC\_TRUNCATED\_MSG\_FAILED**

#### Explanation

On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO\_ACCEPT\_TRUNCATED\_MSG option was *not* specified, so the message has not been removed from the queue. If this was a browse operation, the browse cursor remains where it was before this call, but if MQGMO\_BROWSE\_FIRST was specified, the browse cursor is positioned logically before the highest-priority message on the queue.

The *DataLength* field is set to the length of the message before truncation, the *Buffer* parameter contains as much of the message as fits, and the MQMD structure is filled in.

#### Completion Code

MQCC\_WARNING

### Programmer response

Supply a buffer that is at least as large as *DataLength*, or specify MQGMO\_ACCEPT\_TRUNCATED\_MSG if not all of the message data is required.

### **2082 (0822) (RC2082): MQRC\_UNKNOWN\_ALIAS\_BASE\_Q**

#### Explanation

An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the *BaseQName* in the alias queue attributes is not recognized as a queue name.

This reason code can also occur when *BaseQName* is the name of a cluster queue that cannot be resolved successfully.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the queue definitions.

## 2085 (0825) (RC2085): MQRC\_UNKNOWN\_OBJECT\_NAME

### Explanation

An MQOPEN or MQPUT1 call was issued, but the object identified by the *ObjectName* and *ObjectQMgrName* fields in the object descriptor MQOD cannot be found. One of the following applies:

- The *ObjectQMgrName* field is one of the following:
  - Blank
  - The name of the local queue manager
  - The name of a local definition of a remote queue (a queue-manager alias) in which the *RemoteQMgrName* attribute is the name of the local queue manager but no object with the specified *ObjectName* and *ObjectType* exists on the local queue manager.
- The object being opened is a cluster queue that is hosted on a remote queue manager, but the local queue manager does not have a defined route to the remote queue manager.
- The object being opened is a queue definition that has QSGDISP(GROUP). Such definitions cannot be used with the MQOPEN and MQPUT1 calls.

This can also occur in response to a command that specifies the name of an object or other item that does not exist.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid object name. Ensure that the name is padded to the right with blanks if necessary. If this is correct, check the object definitions.

## 2086 (0826) (RC2086): MQRC\_UNKNOWN\_OBJECT\_Q\_MGR

### Explanation

On an MQOPEN or MQPUT1 call, the *ObjectQMgrName* field in the object descriptor MQOD does not satisfy the naming rules for objects. For more information, see the WebSphere MQ Application Programming Guide.

This reason also occurs if the *ObjectType* field in the object descriptor has the value MQOT\_Q\_MGR, and the *ObjectQMgrName* field is not blank, but the name specified is not the name of the local queue manager.

## Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid queue manager name. To refer to the local queue manager, a name consisting entirely of blanks or beginning with a null character can be used. Ensure that the name is padded to the right with blanks or terminated with a null character if necessary.

## 2087 (0827) (RC2087): MQRC\_UNKNOWN\_REMOTE\_Q\_MGR

### Explanation

On an MQOPEN or MQPUT1 call, an error occurred with the queue-name resolution, for one of the following reasons:

- *ObjectQMgrName* is blank or the name of the local queue manager, *ObjectName* is the name of a local definition of a remote queue (or an alias to one), and one of the following is true:
  - *RemoteQMgrName* is blank or the name of the local queue manager. Note that this error occurs even if *XmitQName* is not blank.
  - *XmitQName* is blank, but there is no transmission queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
  - *RemoteQMgrName* and *RemoteQName* specify a cluster queue that cannot be resolved successfully, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is the name of a local definition of a remote queue (containing a queue-manager alias definition), and one of the following is true:
  - *RemoteQName* is not blank.
  - *XmitQName* is blank, but there is no transmission queue defined with the name of *RemoteQMgrName*, and the *DefXmitQName* queue-manager attribute is blank.
- *ObjectQMgrName* is not:
  - Blank
  - The name of the local queue manager
  - The name of a transmission queue
  - The name of a queue-manager alias definition (that is, a local definition of a remote queue with a blank *RemoteQName*)

but the *DefXmitQName* queue-manager attribute is blank and the queue manager is not part of a queue-sharing group with intra-group queuing enabled.

- *ObjectQMgrName* is the name of a model queue.
- The queue name is resolved through a cell directory. However, there is no queue defined with the same name as the remote queue manager name obtained from the cell directory, and the *DefXmitQName* queue-manager attribute is blank.

## Completion Code

MQCC\_FAILED

### Programmer response

Check the values specified for *ObjectQMgrName* and *ObjectName*. If these are correct, check the queue definitions.

## 2090 (082A) (RC2090): MQRC\_WAIT\_INTERVAL\_ERROR

### Explanation

On the MQGET call, the value specified for the *WaitInterval* field in the *GetMsgOpts* parameter is not valid.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value greater than or equal to zero, or the special value MQWL\_UNLIMITED if an indefinite wait is required.

## 2091 (082B) (RC2091): MQRC\_XMIT\_Q\_TYPE\_ERROR

### Explanation

On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The *ObjectName* or *ObjectQMGrName* field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the *XmitQName* attribute of the definition:

- *XmitQName* is not blank, but specifies a queue that is not a local queue
- *XmitQName* is blank, but *RemoteQMGrName* specifies a queue that is not a local queue

This reason also occurs if the queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a queue, but this is not a local queue.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the values specified for *ObjectName* and *ObjectQMGrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the WebSphere MQ Application Programming Guide.

## 2092 (082C) (RC2092): MQRC\_XMIT\_Q\_USAGE\_ERROR

### Explanation

On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred:

- *ObjectQMGrName* specifies the name of a local queue, but it does not have a *Usage* attribute of MQUS\_TRANSMISSION.
- The *ObjectName* or *ObjectQMGrName* field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the *XmitQName* attribute of the definition:
  - *XmitQName* is not blank, but specifies a queue that does not have a *Usage* attribute of MQUS\_TRANSMISSION

- *XmitQName* is blank, but *RemoteQMgrName* specifies a queue that does not have a *Usage* attribute of MQUS\_TRANSMISSION
- *XmitQName* specifies the queue SYSTEM.QSG.TRANSMIT.QUEUE the IGQ queue manager attribute indicates that IGQ is DISABLED.
- The queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a local queue, but it does not have a *Usage* attribute of MQUS\_TRANSMISSION.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the values specified for *ObjectName* and *ObjectQMgrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the WebSphere MQ Application Programming Guide.

## 2093 (082D) (RC2093): MQRC\_NOT\_OPEN\_FOR\_PASS\_ALL

### Explanation

An MQPUT call was issued with the MQPMO\_PASS\_ALL\_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO\_PASS\_ALL\_CONTEXT option.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify MQOO\_PASS\_ALL\_CONTEXT (or another option that implies it) when the queue is opened.

## 2094 (082E) (RC2094): MQRC\_NOT\_OPEN\_FOR\_PASS\_IDENT

### Explanation

An MQPUT call was issued with the MQPMO\_PASS\_IDENTITY\_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO\_PASS\_IDENTITY\_CONTEXT option.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify MQOO\_PASS\_IDENTITY\_CONTEXT (or another option that implies it) when the queue is opened.

## **2095 (082F) (RC2095): MQRC\_NOT\_OPEN\_FOR\_SET\_ALL**

### **Explanation**

An MQPUT call was issued with the MQPMO\_SET\_ALL\_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO\_SET\_ALL\_CONTEXT option.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_SET\_ALL\_CONTEXT when the queue is opened.

## **2096 (0830) (RC2096): MQRC\_NOT\_OPEN\_FOR\_SET\_IDENT**

### **Explanation**

An MQPUT call was issued with the MQPMO\_SET\_IDENTITY\_CONTEXT option specified in the *PutMsgOpts* parameter, but the queue had not been opened with the MQOO\_SET\_IDENTITY\_CONTEXT option.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_SET\_IDENTITY\_CONTEXT (or another option that implies it) when the queue is opened.

## **2097 (0831) (RC2097): MQRC\_CONTEXT\_HANDLE\_ERROR**

### **Explanation**

On an MQPUT or MQPUT1 call, MQPMO\_PASS\_IDENTITY\_CONTEXT or MQPMO\_PASS\_ALL\_CONTEXT was specified, but the handle specified in the *Context* field of the *PutMsgOpts* parameter is either not a valid queue handle, or it is a valid queue handle but the queue was not opened with MQOO\_SAVE\_ALL\_CONTEXT.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQOO\_SAVE\_ALL\_CONTEXT when the queue referred to is opened.

## **2098 (0832) (RC2098): MQRC\_CONTEXT\_NOT\_AVAILABLE**

### **Explanation**

On an MQPUT or MQPUT1 call, MQPMO\_PASS\_IDENTITY\_CONTEXT or MQPMO\_PASS\_ALL\_CONTEXT was specified, but the queue handle specified in



the *Context* field of the *PutMsgOpts* parameter has no context associated with it. This arises if no message has yet been successfully retrieved with the queue handle referred to, or if the last successful MQGET call was a browse.

This condition does not arise if the message that was last retrieved had no context associated with it.

- On z/OS, if a message is received by a message channel agent that is putting messages with the authority of the user identifier in the message, this code is returned in the *Feedback* field of an exception report if the message has no context associated with it.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that a successful nonbrowse get call has been issued with the queue handle referred to.

## 2099 (0833) (RC2099): MQRC\_SIGNAL1\_ERROR

### Explanation

An MQGET call was issued, specifying MQGMO\_SET\_SIGNAL in the *GetMsgOpts* parameter, but the *Signal1* field is not valid.

- On z/OS, the address contained in the *Signal1* field is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- On Windows 95, Windows 98, the window handle in the *Signal1* field is not valid.

This reason code occurs only in the following environments: z/OS, Windows 95, Windows 98.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the setting of the *Signal1* field.

## 2100 (0834) (RC2100): MQRC\_OBJECT\_ALREADY\_EXISTS

### Explanation

An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists.

- On z/OS, a rare “race condition” can also give rise to this reason code; see the description of reason code MQRC\_NAME\_IN\_USE for more details.

### Completion Code

MQCC\_FAILED

## Programmer response

If supplying a dynamic queue name in full, ensure that it obeys the naming conventions for dynamic queues; if it does, either supply a different name, or delete the existing queue if it is no longer required. Alternatively, allow the queue manager to generate the name.

If the queue manager is generating the name (either in part or in full), reissue the MQOPEN call.

## 2101 (0835) (RC2101): MQRC\_OBJECT\_DAMAGED

### Explanation

The object accessed by the call is damaged and cannot be used. For example, this may be because the definition of the object in main storage is not consistent, or because it differs from the definition of the object on disk, or because the definition on disk cannot be read. The object can be deleted, although it may not be possible to delete the associated user space.

- On z/OS, this reason occurs when the DB2 list header or structure number associated with a shared queue is zero. This situation arises as a result of using the MQSC command DELETE CFSTRUCT to delete the DB2 structure definition. The command resets the list header and structure number to zero for each of the shared queues that references the deleted CF structure.

### Completion Code

MQCC\_FAILED

## Programmer response

It may be necessary to stop and restart the queue manager, or to restore the queue-manager data from back-up storage.

- On HP OpenVMS, OS/2, i5/OS, Compaq NonStop Kernel, and UNIX systems, consult the FFST™ record to obtain more detail about the problem.
- On z/OS, delete the shared queue and redefine it using the MQSC command DEFINE QLOCAL. This will automatically define a CF structure and allocate list headers for it.

## 2102 (0836) (RC2102): MQRC\_RESOURCE\_PROBLEM

### Explanation

There are insufficient system resources to complete the call successfully.

### Completion Code

MQCC\_FAILED

## Programmer response

Run the application when the machine is less heavily loaded.

- On z/OS, check the operator console for messages that may provide additional information.

- On HP OpenVMS, OS/2, i5/OS, Compaq NonStop Kernel, and UNIX systems, consult the FFST record to obtain more detail about the problem.

## **2103 (0837) (RC2103): MQRC\_ANOTHER\_Q\_MGR\_CONNECTED**

### **Explanation**

An MQCONN or MQCONNX call was issued, but the thread or process is already connected to a different queue manager. The thread or process can connect to only one queue manager at a time.

- On z/OS, this reason code does not occur.
- On Windows, MTS objects do not receive this reason code, as connections to other queue managers are allowed.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Use the MQDISC call to disconnect from the queue manager that is already connected, and then issue the MQCONN or MQCONNX call to connect to the new queue manager.

Disconnecting from the existing queue manager will close any queues that are currently open; it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is issued.

## **2104 (0838) (RC2104): MQRC\_UNKNOWN\_REPORT\_OPTION**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the *Report* field in the message descriptor MQMD contains one or more options that are not recognized by the local queue manager. The options are accepted.

The options that cause this reason code to be returned depend on the destination of the message; see the description of REPORT in the WebSphere MQ Application Programming Reference for more details.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

If this reason code is expected, no corrective action is required. If this reason code is not expected, do the following:

- Ensure that the *Report* field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call.
- Ensure that the report options specified are valid; see the *Report* field described in the description of MQMD in the WebSphere MQ Application Programming Reference for valid report options.

- If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice.
- Check that conflicting report options are not specified. For example, do not add both MQRO\_EXCEPTION and MQRO\_EXCEPTION\_WITH\_DATA to the *Report* field; only one of these can be specified.

## **2105 (0839) (RC2105): MQRC\_STORAGE\_CLASS\_ERROR**

### **Explanation**

The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Create the storage-class object required by the queue, or modify the queue definition to use an existing storage class. The name of the storage-class object used by the queue is given by the *StorageClass* queue attribute.

## **2106 (083A) (RC2106): MQRC\_COD\_NOT\_VALID\_FOR\_XCF\_Q**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the *Report* field in the message descriptor MQMD specifies one of the MQRO\_COD\_\* options and the target queue is an XCF queue. MQRO\_COD\_\* options cannot be specified for XCF queues.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the relevant MQRO\_COD\_\* option.

## **2107 (083B) (RC2107): MQRC\_XWAIT\_CANCELED**

### **Explanation**

An MQXWAIT call was issued, but the call has been canceled because a STOP CHINIT command has been issued (or the queue manager has been stopped, which causes the same effect). Refer to the WebSphere MQ Intercommunication book for details of the MQXWAIT call.

This reason code occurs only on z/OS.

## Completion Code

MQCC\_FAILED

## Programmer response

Tidy up and terminate.

## 2108 (083C) (RC2108): MQRC\_XWAIT\_ERROR

### Explanation

An MQXWAIT call was issued, but the invocation was not valid for one of the following reasons:

- The wait descriptor MQXWD contains data that is not valid.
- The linkage stack level is not valid.
- The addressing mode is not valid.
- There are too many wait events outstanding.

This reason code occurs only on z/OS.

## Completion Code

MQCC\_FAILED

## Programmer response

Obey the rules for using the MQXWAIT call. Refer to the WebSphere MQ Intercommunication book for details of this call.

## 2109 (083D) (RC2109): MQRC\_SUPPRESSED\_BY\_EXIT

### Explanation

On any call other than MQCONN or MQDISC, the API crossing exit suppressed the call.

This reason code occurs only on z/OS.

## Completion Code

MQCC\_FAILED

## Programmer response

Obey the rules for MQI calls that the exit enforces. To find out the rules, see the writer of the exit.

## 2110 (083E) (RC2110): MQRC\_FORMAT\_ERROR

### Explanation

An MQGET call was issued with the MQGMO\_CONVERT option specified in the *GetMsgOpts* parameter, but the message cannot be converted successfully due to an error associated with the message format. Possible errors include:

- The format name in the message is MQFMT\_NONE.
- A user-written exit with the name specified by the *Format* field in the message cannot be found.
- The message contains data that is not consistent with the format definition.

The message is returned unconverted to the application issuing the MQGET call, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

### Completion Code

MQCC\_WARNING

### Programmer response

Check the format name that was specified when the message was put. If this is not one of the built-in formats, check that a suitable exit with the same name as the format is available for the queue manager to load. Verify that the data in the message corresponds to the format expected by the exit.

## 2111 (083F) (RC2111): MQRC\_SOURCE\_CCSID\_ERROR

### Explanation

The coded character-set identifier from which character data is to be converted is not valid or not supported.

This can occur on the MQGET call when the MQGMO\_CONVERT option is included in the *GetMsgOpts* parameter; the coded character-set identifier in error is the *CodedCharSetId* field in the message being retrieved. In this case, the message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

This reason can also occur on the MQGET call when the message contains one or more MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the *CodedCharSetId* field in the message specifies a character set that does not have SBCS characters for the characters that are valid in queue names. MQ header structures containing such characters are not valid, and so the message is returned unconverted. The Unicode character set UCS-2 is an example of such a character set.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This reason can also occur on the MQXCNVC call; the coded character-set identifier in error is the *SourceCCSID* parameter. Either the *SourceCCSID* parameter specifies a value that is not valid or not supported, or the *SourceCCSID* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Check the character-set identifier that was specified when the message was put, or that was specified for the *SourceCCSID* parameter on the MQXCNVC call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.

## 2112 (0840) (RC2112): MQRC\_SOURCE\_INTEGER\_ENC\_ERROR

### Explanation

On an MQGET call, with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the message being retrieved specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This reason code can also occur on the MQXCNVC call, when the *Options* parameter contains an unsupported MQDCC\_SOURCE\_\* value, or when MQDCC\_SOURCE\_ENC\_UNDEFINED is specified for a UCS-2 code page.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Check the integer encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required integer encoding, conversion must be carried out by the application.

## 2113 (0841) (RC2113): MQRC\_SOURCE\_DECIMAL\_ENC\_ERROR

### Explanation

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the message being retrieved specifies

a decimal encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Check the decimal encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.

## **2114 (0842) (RC2114): MQRC\_SOURCE\_FLOAT\_ENC\_ERROR**

### **Explanation**

On an MQGET call, with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the message being retrieved specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Check the floating-point encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.

## **2115 (0843) (RC2115): MQRC\_TARGET\_CCSD\_ERROR**

### **Explanation**

The coded character-set identifier to which character data is to be converted is not valid or not supported.



This can occur on the MQGET call when the MQGMO\_CONVERT option is included in the *GetMsgOpts* parameter; the coded character-set identifier in error is the *CodedCharSetId* field in the *MsgDesc* parameter. In this case, the message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

This reason can also occur on the MQGET call when the message contains one or more MQ header structures (MQCIH, MQDLH, MQIIH, MQRMH), and the *CodedCharSetId* field in the *MsgDesc* parameter specifies a character set that does not have SBCS characters for the characters that are valid in queue names. The Unicode character set UCS-2 is an example of such a character set.

This reason can also occur on the MQXCNVC call; the coded character-set identifier in error is the *TargetCCSID* parameter. Either the *TargetCCSID* parameter specifies a value that is not valid or not supported, or the *TargetCCSID* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Check the character-set identifier that was specified for the *CodedCharSetId* field in the *MsgDesc* parameter on the MQGET call, or that was specified for the *SourceCCSID* parameter on the MQXCNVC call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.

## 2116 (0844) (RC2116): MQRC\_TARGET\_INTEGER\_ENC\_ERROR

### Explanation

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message being retrieved, and the call completes with MQCC\_WARNING.

This reason code can also occur on the MQXCNVC call, when the *Options* parameter contains an unsupported MQDCC\_TARGET\_\* value, or when MQDCC\_TARGET\_ENC\_UNDEFINED is specified for a UCS-2 code page.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Check the integer encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is

not supported for the required integer encoding, conversion must be carried out by the application.

### **2117 (0845) (RC2117): MQRC\_TARGET\_DECIMAL\_ENC\_ERROR**

#### **Explanation**

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

#### **Completion Code**

MQCC\_WARNING

#### **Programmer response**

Check the decimal encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.

### **2118 (0846) (RC2118): MQRC\_TARGET\_FLOAT\_ENC\_ERROR**

#### **Explanation**

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the *Encoding* value in the *MsgDesc* parameter specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

#### **Completion Code**

MQCC\_WARNING

#### **Programmer response**

Check the floating-point encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.

### **2119 (0847) (RC2119): MQRC\_NOT\_CONVERTED**

#### **Explanation**

An MQGET call was issued with the MQGMO\_CONVERT option specified in the *GetMsgOpts* parameter, but an error occurred during conversion of the data in the message. The message data is returned unconverted, the values of the *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter are set to those of the message returned, and the call completes with MQCC\_WARNING.

If the message consists of several parts, each of which is described by its own *CodedCharSetId* and *Encoding* fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various *CodedCharSetId* and *Encoding* fields always correctly describe the relevant message data.

This error may also indicate that a parameter to the data-conversion service is not supported.

### Completion Code

MQCC\_WARNING

### Programmer response

Check that the message data is correctly described by the *Format*, *CodedCharSetId* and *Encoding* parameters that were specified when the message was put. Also check that these values, and the *CodedCharSetId* and *Encoding* specified in the *MsgDesc* parameter on the MQGET call, are supported for queue-manager conversion. If the required conversion is not supported, conversion must be carried out by the application.

## 2120 (0848) (RC2120): MQRC\_CONVERTED\_MSG\_TOO\_BIG

### Explanation

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, the message data expanded during data conversion and exceeded the size of the buffer provided by the application. However, the message had already been removed from the queue because prior to conversion the message data could be accommodated in the application buffer without truncation.

The message is returned unconverted, with the *CompCode* parameter of the MQGET call set to MQCC\_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.

This reason can also occur on the MQXCNVC call, when the *TargetBuffer* parameter is too small to accommodate the converted string, and the string has been truncated to fit in the buffer. The length of valid data returned is given by the *DataLength* parameter; in the case of a DBCS string or mixed SBCS/DBCS string, this length may be *less than* the length of *TargetBuffer*.

### Completion Code

MQCC\_WARNING

### Programmer response

For the MQGET call, check that the exit is converting the message data correctly and setting the output length *DataLength* to the appropriate value. If it is, the application issuing the MQGET call must provide a larger buffer for the *Buffer* parameter.

For the MQXCNCV call, if the string must be converted without truncation, provide a larger output buffer.

## **2121 (0849) (RC2121): MQRC\_NO\_EXTERNAL\_PARTICIPANTS**

### **Explanation**

An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but no participating resource managers have been registered with the queue manager. As a result, only changes to MQ resources can be coordinated by the queue manager in the unit of work.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

If the application does not require non-MQ resources to participate in the unit of work, this reason code can be ignored or the MQBEGIN call removed. Otherwise consult your system programmer to determine why the required resource managers have not been registered with the queue manager; the queue manager's configuration file may be in error.

## **2122 (084A) (RC2122): MQRC\_PARTICIPANT\_NOT\_AVAILABLE**

### **Explanation**

An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but one or more of the participating resource managers that had been registered with the queue manager is not available. As a result, changes to those resources cannot be coordinated by the queue manager in the unit of work.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

If the application does not require non-MQ resources to participate in the unit of work, this reason code can be ignored. Otherwise consult your system programmer to determine why the required resource managers are not available. The resource manager may have been halted temporarily, or there may be an error in the queue manager's configuration file.

## **2123 (084B) (RC2123): MQRC\_OUTCOME\_MIXED**

### **Explanation**

The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, but one of the following occurred:

- An MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers backed-out the unit of work instead of committing it. As a result, the outcome of the unit of work is mixed.
- An MQBACK call was issued to back out a unit of work, but one or more of the participating resource managers had already committed the unit of work.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, Solaris, Windows.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Examine the queue-manager error logs for messages relating to the mixed outcome; these messages identify the resource managers that are affected. Use procedures local to the affected resource managers to resynchronize the resources.

This reason code does not prevent the application initiating further units of work.

## **2124 (084C) (RC2124): MQRC\_OUTCOME\_PENDING**

### **Explanation**

The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, and an MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers has not confirmed that the unit of work was committed successfully.

The completion of the commit operation will happen at some point in the future, but there remains the possibility that the outcome will be mixed.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, Solaris, Windows.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Use the normal error-reporting mechanisms to determine whether the outcome was mixed. If it was, take appropriate action to resynchronize the resources.

This reason code does not prevent the application initiating further units of work.

## **2125 (084D) (RC2125): MQRC\_BRIDGE\_STARTED**

### **Explanation**

The IMS bridge has been started.

### **Completion Code**

MQCC\_WARNING

**Programmer response**

None. This reason code is only used to identify the corresponding event message.

**2126 (084E) (RC2126): MQRC\_BRIDGE\_STOPPED****Explanation**

The IMS bridge has been stopped.

**Completion Code**

MQCC\_WARNING

**Programmer response**

None. This reason code is only used to identify the corresponding event message.

**2127 (084F) (RC2127): MQRC\_ADAPTER\_STORAGE\_SHORTAGE****Explanation**

On an MQCONN call, the adapter was unable to acquire storage.

This reason code occurs only on z/OS.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Notify the system programmer. The system programmer should determine why the system is short on storage, and take appropriate action, for example, increase the region size on the step or job card.

**2128 (0850) (RC2128): MQRC\_UOW\_IN\_PROGRESS****Explanation**

An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but a unit of work is already in existence for the connection handle specified. This may be a global unit of work started by a previous MQBEGIN call, or a unit of work that is local to the queue manager or one of the cooperating resource managers. No more than one unit of work can exist concurrently for a connection handle.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows.

**Completion Code**

MQCC\_FAILED

### **Programmer response**

Review the application logic to determine why there is a unit of work already in existence. Move the MQBEGIN call to the appropriate place in the application.

### **2129 (0851) (RC2129): MQRC\_ADAPTER\_CONN\_LOAD\_ERROR**

#### **Explanation**

On an MQCONN call, the connection handling module (CSQBICON for batch and CSQQCONN for IMS) could not be loaded, so the adapter could not link to it.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

### **2130 (0852) (RC2130): MQRC\_ADAPTER\_SERV\_LOAD\_ERROR**

#### **Explanation**

On an MQI call, the batch adapter could not load the API service module CSQBSRV, and so could not link to it.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

### **2131 (0853) (RC2131): MQRC\_ADAPTER\_DEFS\_ERROR**

#### **Explanation**

On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) does not contain the required control block identifier.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### Programmer response

Check your library concatenation. If this is correct, check that the CSQBDEFV or CSQQDEFV module contains the required subsystem ID.

### 2132 (0854) (RC2132): MQRC\_ADAPTER\_DEFS\_LOAD\_ERROR

#### Explanation

On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) could not be loaded.

This reason code occurs only on z/OS.

#### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue-manager startup JCL.

### 2133 (0855) (RC2133): MQRC\_ADAPTER\_CONV\_LOAD\_ERROR

#### Explanation

On an MQGET call, the adapter (batch or IMS) could not load the data conversion services modules.

This reason code occurs only on z/OS.

#### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the queue-manager startup JCL.

### 2134 (0856) (RC2134): MQRC\_BO\_ERROR

#### Explanation

On an MQBEGIN call, the begin-options structure MQBO is not valid, for one of the following reasons:

- The *StrucId* field is not MQBO\_STRUC\_ID.
- The *Version* field is not MQBO\_VERSION\_1.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.



This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQBO structure are set correctly.

## 2135 (0857) (RC2135): MQRC\_DH\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQDH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQDH\_STRUC\_ID.
- The *Version* field is not MQDH\_VERSION\_1.
- The *StrucLength* field specifies a value that is too small to include the structure plus the arrays of MQOR and MQPMR records.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

## 2136 (0858) (RC2136): MQRC\_MULTIPLE\_REASONS

### Explanation

An MQOPEN, MQPUT or MQPUT1 call was issued to open a distribution list or put a message to a distribution list, but the result of the call was not the same for all of the destinations in the list. One of the following applies:

- The call succeeded for some of the destinations but not others. The completion code is MQCC\_WARNING in this case.
- The call failed for all of the destinations, but for differing reasons. The completion code is MQCC\_FAILED in this case.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

## Completion Code

MQCC\_WARNING or MQCC\_FAILED

## Programmer response

Examine the MQRR response records to identify the destinations for which the call failed, and the reason for the failure. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined. For the MQPUT1 call, the response records must be specified using the MQOD structure, and not the MQPMO structure.

## 2137 (0859) (RC2137): MQRC\_OPEN\_FAILED

### Explanation

A queue or other MQ object could not be opened successfully, for one of the following reasons:

- An MQCONN or MQCONNX call was issued, but the queue manager was unable to open an object that is used internally by the queue manager. As a result, processing cannot continue. The error log will contain the name of the object that could not be opened.
- An MQPUT call was issued to put a message to a distribution list, but the message could not be sent to the destination to which this reason code applies because that destination was not opened successfully by the MQOPEN call. This reason occurs only in the *Reason* field of the MQRR response record.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

## Completion Code

MQCC\_FAILED

## Programmer response

Do one of the following:

- If the error occurred on the MQCONN or MQCONNX call, ensure that the required objects exist by running the following command and then retrying the application:

```
STRMQM -c qmgr
```

where qmgr should be replaced by the name of the queue manager.

- If the error occurred on the MQPUT call, examine the MQRR response records specified on the MQOPEN call to determine the reason that the queue failed to open. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined.

## 2138 (085A) (RC2138): MQRC\_ADAPTER\_DISC\_LOAD\_ERROR

### Explanation

On an MQDISC call, the disconnect handling module (CSQBDSC for batch and CSQQDISC for IMS) could not be loaded, so the adapter could not link to it.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue-manager startup JCL. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

### 2139 (085B) (RC2139): MQRC\_CNO\_ERROR

#### Explanation

On an MQCONN call, the connect-options structure MQCNO is not valid, for one of the following reasons:

- The *StrucId* field is not MQCNO\_STRUC\_ID.
- The *Version* field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the parameter pointer points to read-only storage.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQCNO structure are set correctly.

### 2140 (085C) (RC2140): MQRC\_CICS\_WAIT\_FAILED

#### Explanation

On any MQI call, the CICS adapter issued an EXEC CICS WAIT request, but the request was rejected by CICS.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Examine the CICS trace data for actual response codes. The most likely cause is that the task has been canceled by the operator or by the system.

## 2141 (085D) (RC2141): MQRC\_DLH\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQDLH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQDLH\_STRUC\_ID.
- The *Version* field is not MQDLH\_VERSION\_1.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

## 2142 (085E) (RC2142): MQRC\_HEADER\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQ header structure that is not valid. Possible errors include the following:

- The *StrucId* field is not valid.
- The *Version* field is not valid.
- The *StrucLength* field specifies a value that is too small.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

## 2143 (085F) (RC2143): MQRC\_SOURCE\_LENGTH\_ERROR

### Explanation

On the MQXCNVC call, the *SourceLength* parameter specifies a length that is less than zero or not consistent with the string's character set or content (for example, the character set is a double-byte character set, but the length is not a multiple of two). This reason also occurs if the *SourceLength* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the MQGET call when the MQGMO\_CONVERT option is specified. In this case it indicates that the MQRC\_SOURCE\_LENGTH\_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Specify a length that is zero or greater. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

## 2144 (0860) (RC2144): MQRC\_TARGET\_LENGTH\_ERROR

### Explanation

On the MQXCNVC call, the *TargetLength* parameter is not valid for one of the following reasons:

- *TargetLength* is less than zero.
- The *TargetLength* parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The MQDCC\_FILL\_TARGET\_BUFFER option is specified, but the value of *TargetLength* is such that the target buffer cannot be filled completely with valid characters. This can occur when *TargetCCSID* is a pure DBCS character set (such as UCS-2), but *TargetLength* specifies a length that is an odd number of bytes.

This reason code can also occur on the MQGET call when the MQGMO\_CONVERT option is specified. In this case it indicates that the MQRC\_TARGET\_LENGTH\_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Specify a length that is zero or greater. If the MQDCC\_FILL\_TARGET\_BUFFER option is specified, and *TargetCCSID* is a pure DBCS character set, ensure that *TargetLength* specifies a length that is a multiple of two.

If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

## **2145 (0861) (RC2145): MQRC\_SOURCE\_BUFFER\_ERROR**

### **Explanation**

On the MQXCNVC call, the *SourceBuffer* parameter pointer is not valid, or points to storage that cannot be accessed for the entire length specified by *SourceLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the MQGET call when the MQGMO\_CONVERT option is specified. In this case it indicates that the MQRC\_SOURCE\_BUFFER\_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.

### **Completion Code**

MQCC\_WARNING or MQCC\_FAILED

### **Programmer response**

Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

## **2146 (0862) (RC2146): MQRC\_TARGET\_BUFFER\_ERROR**

### **Explanation**

On the MQXCNVC call, the *TargetBuffer* parameter pointer is not valid, or points to read-only storage, or to storage that cannot be accessed for the entire length specified by *TargetLength*. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

This reason code can also occur on the MQGET call when the MQGMO\_CONVERT option is specified. In this case it indicates that the MQRC\_TARGET\_BUFFER\_ERROR reason was returned by an MQXCNVC call issued by the data conversion exit.

### **Completion Code**

MQCC\_WARNING or MQCC\_FAILED

### **Programmer response**

Specify a valid buffer. If the reason code occurs on the MQGET call, check that the logic in the data-conversion exit is correct.

## **2148 (0864) (RC2148): MQRC\_IIH\_ERROR**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQIIH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQIIH\_STRUC\_ID.

- The *Version* field is not MQIIH\_VERSION\_1.
- The *StrucLength* field is not MQIIH\_LENGTH\_1.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly.

## 2149 (0865) (RC2149): MQRC\_PCF\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued to put a message containing PCF data, but the length of the message does not equal the sum of the lengths of the PCF structures present in the message. This can occur for messages with the following format names:

- MQFMT\_ADMIN
- MQFMT\_EVENT
- MQFMT\_PCF

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the length of the message specified on the MQPUT or MQPUT1 call equals the sum of the lengths of the PCF structures contained within the message data.

## 2150 (0866) (RC2150): MQRC\_DBCS\_ERROR

### Explanation

An error was encountered attempting to convert a double-byte character set (DBCS) string. This can occur in the following cases:

- On the MQXCNVC call, when the *SourceCCSID* parameter specifies the coded character-set identifier of a double-byte character set, but the *SourceBuffer* parameter does not contain a valid DBCS string. This may be because the string contains characters that are not valid DBCS characters, or because the string is a mixed SBCS/DBCS string and the shift-out/shift-in characters are not correctly paired. The completion code is MQCC\_FAILED in this case.

- On the MQGET call, when the MQGMO\_CONVERT option is specified. In this case it indicates that the MQRC\_DBCS\_ERROR reason code was returned by an MQXCNVC call issued by the data conversion exit. The completion code is MQCC\_WARNING in this case.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Specify a valid string.

If the reason code occurs on the MQGET call, check that the data in the message is valid, and that the logic in the data-conversion exit is correct.

## 2152 (0868) (RC2152): MQRC\_OBJECT\_NAME\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the *ObjectName* field is neither blank nor the null string.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

If it is intended to open a distribution list, set the *ObjectName* field to blanks or the null string. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

## 2153 (0869) (RC2153): MQRC\_OBJECT\_Q\_MGR\_NAME\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the *ObjectQMgrName* field is neither blank nor the null string.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED



## Programmer response

If it is intended to open a distribution list, set the *ObjectQMgrName* field to blanks or the null string. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

### 2154 (086A) (RC2154): MQRC\_RECS\_PRESENT\_ERROR

#### Explanation

An MQOPEN or MQPUT1 call was issued, but the call failed for one of the following reasons:

- *RecsPresent* in MQOD is less than zero.
- *ObjectType* in MQOD is not MQOT\_Q, and *RecsPresent* is not zero. *RecsPresent* must be zero if the object being opened is not a queue.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### Completion Code

MQCC\_FAILED

## Programmer response

If it is intended to open a distribution list, set the *ObjectType* field to MQOT\_Q and *RecsPresent* to the number of destinations in the list. If it is not intended to open a distribution list, set the *RecsPresent* field to zero.

### 2155 (086B) (RC2155): MQRC\_OBJECT\_RECORDS\_ERROR

#### Explanation

An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the MQOR object records are not specified correctly. One of the following applies:

- *ObjectRecOffset* is zero and *ObjectRecPtr* is zero or the null pointer.
- *ObjectRecOffset* is not zero and *ObjectRecPtr* is not zero and not the null pointer.
- *ObjectRecPtr* is not a valid pointer.
- *ObjectRecPtr* or *ObjectRecOffset* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### Completion Code

MQCC\_FAILED

## Programmer response

Ensure that one of *ObjectRecOffset* and *ObjectRecPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

## 2156 (086C) (RC2156): MQRC\_RESPONSE\_RECORDS\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the *RecsPresent* field in MQOD is greater than zero), but the MQRR response records are not specified correctly. One of the following applies:

- *ResponseRecOffset* is not zero and *ResponseRecPtr* is not zero and not the null pointer.
- *ResponseRecPtr* is not a valid pointer.
- *ResponseRecPtr* or *ResponseRecOffset* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that at least one of *ResponseRecOffset* and *ResponseRecPtr* is zero. Ensure that the field used points to accessible storage.

## 2157 (086D) (RC2157): MQRC\_ASID\_MISMATCH

### Explanation

On any MQI call, the caller's primary ASID was found to be different from the home ASID.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the application (MQI calls cannot be issued in cross-memory mode). Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

## 2158 (086E) (RC2158): MQRC\_PMO\_RECORD\_FLAGS\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued to put a message, but the *PutMsgRecFields* field in the MQPMO structure is not valid, for one of the following reasons:

- The field contains flags that are not valid.
- The message is being put to a distribution list, and put message records have been provided (that is, *RecsPresent* is greater than zero, and one of *PutMsgRecOffset* or *PutMsgRecPtr* is nonzero), but *PutMsgRecFields* has the value MQPMRF\_NONE.

- MQPMRF\_ACCOUNTING\_TOKEN is specified without either MQPMO\_SET\_IDENTITY\_CONTEXT or MQPMO\_SET\_ALL\_CONTEXT.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that *PutMsgRecFields* is set with the appropriate MQPMRF\_\* flags to indicate which fields are present in the put message records. If MQPMRF\_ACCOUNTING\_TOKEN is specified, ensure that either MQPMO\_SET\_IDENTITY\_CONTEXT or MQPMO\_SET\_ALL\_CONTEXT is also specified. Alternatively, set both *PutMsgRecOffset* and *PutMsgRecPtr* to zero.

## 2159 (086F) (RC2159): MQRC\_PUT\_MSG\_RECORDS\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued to put a message to a distribution list, but the MQPMR put message records are not specified correctly. One of the following applies:

- *PutMsgRecOffset* is not zero and *PutMsgRecPtr* is not zero and not the null pointer.
- *PutMsgRecPtr* is not a valid pointer.
- *PutMsgRecPtr* or *PutMsgRecOffset* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that at least one of *PutMsgRecOffset* and *PutMsgRecPtr* is zero. Ensure that the field used points to accessible storage.

## 2160 (0870) (RC2160): MQRC\_CONN\_ID\_IN\_USE

### Explanation

On an MQCONN call, the connection identifier assigned by the queue manager to the connection between a CICS or IMS allied address space and the queue manager conflicts with the connection identifier of another connected CICS or IMS system. The connection identifier assigned is as follows:

- For CICS, the applid
- For IMS, the IMSID parameter on the IMSCTRL (sysgen) macro, or the IMSID parameter on the execution parameter (EXEC card in IMS control region JCL)
- For batch, the job name
- For TSO, the user ID

A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the naming conventions used in different systems that might connect to the queue manager do not conflict.

## **2161 (0871) (RC2161): MQRC\_Q\_MGR QUIESCING**

### **Explanation**

An MQI call was issued, but the call failed because the queue manager is quiescing (preparing to shut down).

When the queue manager is quiescing, the MQOPEN, MQPUT, MQPUT1, and MQGET calls can still complete successfully, but the application can request that they fail by specifying the appropriate option on the call:

- MQOO\_FAIL\_IF QUIESCING on MQOPEN
- MQPMO\_FAIL\_IF QUIESCING on MQPUT or MQPUT1
- MQGMO\_FAIL\_IF QUIESCING on MQGET

Specifying these options enables the application to become aware that the queue manager is preparing to shut down.

- On z/OS:
  - For batch applications, this reason can be returned to applications running in LPARs that do not have a queue manager installed.
  - For CICS applications, this reason can be returned when no connection was established.
- On i5/OS for applications running in compatibility mode, this reason can be returned when no connection was established.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

The application should tidy up and end. If the application specified the MQOO\_FAIL\_IF QUIESCING, MQPMO\_FAIL\_IF QUIESCING, or MQGMO\_FAIL\_IF QUIESCING option on the failing call, the relevant option can be removed and the call reissued. By omitting these options, the application can continue working in order to complete and commit the current unit of work, but the application should not start a new unit of work.

## 2162 (0872) (RC2162): MQRC\_Q\_MGR\_STOPPING

### Explanation

An MQI call was issued, but the call failed because the queue manager is shutting down. If the call was an MQGET call with the MQGMO\_WAIT option, the wait has been canceled. No more MQI calls can be issued.

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC\_FAILED.

- On z/OS, the MQRC\_CONNECTION\_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.

### Completion Code

MQCC\_FAILED

### Programmer response

The application should tidy up and end. If the application is in the middle of a unit of work coordinated by an external unit-of-work coordinator, the application should issue the appropriate call to back out the unit of work. Any unit of work that is coordinated by the queue manager is backed out automatically.

## 2163 (0873) (RC2163): MQRC\_DUPLICATE\_RECOV\_COORD

### Explanation

On an MQCONN or MQCONNX call, a recovery coordinator already exists for the connection name specified on the connection call issued by the adapter.

A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the naming conventions used in different systems that might connect to the queue manager do not conflict.

## 2173 (087D) (RC2173): MQRC\_PMO\_ERROR

### Explanation

On an MQPUT or MQPUT1 call, the MQPMO structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQPMO\_STRUC\_ID.
- The *Version* field specifies a value that is not valid or not supported.

- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQPMO structure are set correctly.

### 2183 (0887) (RC2183): MQRC\_API\_EXIT\_LOAD\_ERROR

#### Explanation

The API crossing exit module could not be linked. If this reason is returned when the API crossing exit is invoked *after* the call has been executed, the call itself may have executed correctly.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the correct library concatenation has been specified, and that the API crossing exit module is executable and correctly named. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

### 2184 (0888) (RC2184): MQRC\_REMOTE\_Q\_NAME\_ERROR

#### Explanation

On an MQOPEN or MQPUT1 call, one of the following occurred:

- A local definition of a remote queue (or an alias to one) was specified, but the *RemoteQName* attribute in the remote queue definition is entirely blank. Note that this error occurs even if the *XmitQName* in the definition is not blank.
- The *ObjectQMgrName* field in the object descriptor is not blank and not the name of the local queue manager, but the *ObjectName* field is blank.

### Completion Code

MQCC\_FAILED

### Programmer response

Alter the local definition of the remote queue and supply a valid remote queue name, or supply a nonblank *ObjectName* in the object descriptor, as appropriate.

## 2185 (0889) (RC2185): MQRC\_INCONSISTENT\_PERSISTENCE

### Explanation

An MQPUT call was issued to put a message in a group or a segment of a logical message, but the value specified or defaulted for the *Persistence* field in MQMD is not consistent with the current group and segment information retained by the queue manager for the queue handle. All messages in a group and all segments in a logical message must have the same value for persistence, that is, all must be persistent, or all must be nonpersistent.

If the current call specifies MQPMO\_LOGICAL\_ORDER, the call fails. If the current call does not specify MQPMO\_LOGICAL\_ORDER, but the previous MQPUT call for the queue handle did, the call succeeds with completion code MQCC\_WARNING.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Modify the application to ensure that the same value of persistence is used for all messages in the group, or all segments of the logical message.

## 2186 (088A) (RC2186): MQRC\_GMO\_ERROR

### Explanation

On an MQGET call, the MQGMO structure is not valid, for one of the following reasons:

- The *StrucId* field is not MQGMO\_STRUC\_ID.
- The *Version* field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that input fields in the MQGMO structure are set correctly.

## **2187 (088B) (RC2187): MQRC\_CICS\_BRIDGE\_RESTRICTION**

### **Explanation**

It is not permitted to issue MQI calls from user transactions that are run in an MQ/CICS-bridge environment where the bridge exit also issues MQI calls. The MQI call fails. If this occurs in the bridge exit, it will result in a transaction abend. If it occurs in the user transaction, this may result in a transaction abend.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

The transaction cannot be run using the MQ/CICS bridge. Refer to the appropriate CICS manual for information about restrictions in the MQ/CICS bridge environment.

## **2188 (088C) (RC2188): MQRC\_STOPPED\_BY\_CLUSTER\_EXIT**

### **Explanation**

An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit rejected the call.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the cluster workload exit to ensure that it has been written correctly. Determine why it rejected the call and correct the problem.

## **2189 (088D) (RC2189): MQRC\_CLUSTER\_RESOLUTION\_ERROR**

### **Explanation**

An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the queue definition could not be resolved correctly because a response was required from the repository manager but none was available.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED



## Programmer response

Check that the repository manager is operating and that the queue and channel definitions are correct.

### **2190 (088E) (RC2190): MQRC\_CONVERTED\_STRING\_TOO\_BIG**

#### **Explanation**

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, a string in a fixed-length field in the message expanded during data conversion and exceeded the size of the field. When this happens, the queue manager tries discarding trailing blank characters and characters following the first null character in order to make the string fit, but in this case there were insufficient characters that could be discarded.

This reason code can also occur for messages with a format name of MQFMT\_IMS\_VAR\_STRING. When this happens, it indicates that the IMS variable string expanded such that its length exceeded the capacity of the 2-byte binary length field contained within the structure of the IMS variable string. (The queue manager never discards trailing blanks in an IMS variable string.)

The message is returned unconverted, with the *CompCode* parameter of the MQGET call set to MQCC\_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT\_DEAD\_LETTER\_HEADER), some parts may be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.

This reason code does not occur if the string could be made to fit by discarding trailing blank characters.

#### **Completion Code**

MQCC\_WARNING

## Programmer response

Check that the fields in the message contain the correct values, and that the character-set identifiers specified by the sender and receiver of the message are correct. If they are, the layout of the data in the message must be modified to increase the lengths of the field(s) so that there is sufficient space to allow the string(s) to expand when converted.

### **2191 (088F) (RC2191): MQRC\_TMC\_ERROR**

#### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQTMC2 structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQTMC\_STRUC\_ID.
- The *Version* field is not MQTMC\_VERSION\_2.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the fields in the structure are set correctly.

### **2192 (0890) (RC2192): MQRC\_PAGESET\_FULL**

#### **Explanation**

Former name for MQRC\_STORAGE\_MEDIUM\_FULL.

### **2192 (0890) (RC2192): MQRC\_STORAGE\_MEDIUM\_FULL**

#### **Explanation**

An MQI call or command was issued to operate on an object, but the call failed because the external storage medium is full. One of the following applies:

- A page-set data set is full (nonshared queues only).
- A coupling-facility structure is full (shared queues only).

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check which queues contain messages and look for applications that might be filling the queues unintentionally. Be aware that the queue that has caused the page set or coupling-facility structure to become full is not necessarily the queue referenced by the MQI call that returned MQRC\_STORAGE\_MEDIUM\_FULL.

Check that all of the usual server applications are operating correctly and processing the messages on the queues.

If the applications and servers are operating correctly, increase the number of server applications to cope with the message load, or request the system programmer to increase the size of the page-set data sets.

### **2193 (0891) (RC2193): MQRC\_PAGESET\_ERROR**

#### **Explanation**

An error was encountered with the page set while attempting to access it for a locally defined queue. This could be because the queue is on a page set that does not exist. A console message is issued that tells you the number of the page set in error. For example if the error occurred in the TEST job, and your user identifier is ABCDEFG, the message is:

```
CSQI041I CSQIALLC JOB TEST USER ABCDEFG HAD ERROR ACCESSING PAGE SET 27
```

If this reason code occurs while attempting to delete a dynamic queue with MQCLOSE, the dynamic queue has not been deleted.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the storage class for the queue maps to a valid page set using the DISPLAY Q(xx) STGCLASS, DISPLAY STGCLASS(xx), and DISPLAY USAGE PSID commands. If you are unable to resolve the problem, notify the system programmer who should:

- Collect the following diagnostic information:
  - A description of the actions that led to the error
  - A listing of the application program being run at the time of the error
  - Details of the page sets defined for use by the queue manager
- Attempt to re-create the problem, and take a system dump immediately after the error occurs
- Contact your IBM Support Center

## 2194 (0892) (RC2194): MQRC\_NAME\_NOT\_VALID\_FOR\_TYPE

### Explanation

An MQOPEN call was issued to open the queue manager definition, but the *ObjectName* field in the *ObjDesc* parameter is not blank.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the *ObjectName* field is set to blanks.

## 2195 (0893) (RC2195): MQRC\_UNEXPECTED\_ERROR

### Explanation

The call was rejected because an unexpected error occurred.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the application's parameter list to ensure, for example, that the correct number of parameters was passed, and that data pointers and storage keys are valid. If the problem cannot be resolved, contact your system programmer.

- On z/OS, check whether any information has been displayed on the console. If this error occurs on an MQCONN or MQCONNX call, check that the subsystem

named is an active MQ subsystem. In particular, check that it is not a DB2™ subsystem. If the problem cannot be resolved, rerun the application with a CSQSNAP DD card (if you have not already got a dump) and send the resulting dump to IBM.

- On OS/2 and i5/OS, consult the FFST record to obtain more detail about the problem.
- On HP OpenVMS, Compaq NonStop Kernel, and UNIX systems, consult the FDC file to obtain more detail about the problem.

## **2196 (0894) (RC2196): MQRC\_UNKNOWN\_XMIT\_Q**

### **Explanation**

On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The *ObjectName* or the *ObjectQMGrName* in the object descriptor specifies the name of a local definition of a remote queue (in the latter case queue-manager aliasing is being used), but the *XmitQName* attribute of the definition is not blank and not the name of a locally-defined queue.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the values specified for *ObjectName* and *ObjectQMGrName*. If these are correct, check the queue definitions. For more information on transmission queues, see the WebSphere MQ Application Programming Guide.

## **2197 (0895) (RC2197): MQRC\_UNKNOWN\_DEF\_XMIT\_Q**

### **Explanation**

An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. If a local definition of the remote queue was specified, or if a queue-manager alias is being resolved, the *XmitQName* attribute in the local definition is blank.

Because there is no queue defined with the same name as the destination queue manager, the queue manager has attempted to use the default transmission queue. However, the name defined by the *DefXmitQName* queue-manager attribute is not the name of a locally-defined queue.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the queue definitions, or the queue-manager attribute. See the WebSphere MQ Application Programming Guide for more information.

## 2198 (0896) (RC2198): MQRC\_DEF\_XMIT\_Q\_TYPE\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the *XmitQName* attribute in the local definition is blank.

Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, although there is a queue defined by the *DefXmitQName* queue-manager attribute, it is not a local queue.

### Completion Code

MQCC\_FAILED

### Programmer response

Do one of the following:

- Specify a local transmission queue as the value of the *XmitQName* attribute in the local definition of the remote queue.
- Define a local transmission queue with a name that is the same as that of the remote queue manager.
- Specify a local transmission queue as the value of the *DefXmitQName* queue-manager attribute.

See the WebSphere MQ Application Programming Guide for more information.

## 2199 (0897) (RC2199): MQRC\_DEF\_XMIT\_Q\_USAGE\_ERROR

### Explanation

An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the *XmitQName* attribute in the local definition is blank.

Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, the queue defined by the *DefXmitQName* queue-manager attribute does not have a *Usage* attribute of MQUS\_TRANSMISSION.

### Completion Code

MQCC\_FAILED

### Programmer response

Do one of the following:

- Specify a local transmission queue as the value of the *XmitQName* attribute in the local definition of the remote queue.

- Define a local transmission queue with a name that is the same as that of the remote queue manager.
- Specify a different local transmission queue as the value of the *DefXmitQName* queue-manager attribute.
- Change the *Usage* attribute of the *DefXmitQName* queue to MQUS\_TRANSMISSION.

See the WebSphere MQ Application Programming Guide for more information.

## **2201 (0899) (RC2201): MQRC\_NAME\_IN\_USE**

### **Explanation**

An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists. The existing queue is one that is logically deleted, but for which there are still one or more open handles. For more information, see the description of MQCLOSE in the WebSphere MQ Application Programming Reference.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Either ensure that all handles for the previous dynamic queue are closed, or ensure that the name of the new queue is unique; see the description for reason code MQRC\_OBJECT\_ALREADY\_EXISTS.

## **2202 (089A) (RC2202): MQRC\_CONNECTION QUIESCING**

### **Explanation**

This reason code is issued when the connection to the queue manager is in quiescing state, and an application issues one of the following calls:

- MQCONN or MQCONNX
- MQOPEN, with no connection established, or with MQOO\_FAIL\_IF QUIESCING included in the *Options* parameter
- MQGET, with MQGMO\_FAIL\_IF QUIESCING included in the *Options* field of the *GetMsgOpts* parameter
- MQPUT or MQPUT1, with MQPMO\_FAIL\_IF QUIESCING included in the *Options* field of the *PutMsgOpts* parameter

MQRC\_CONNECTION QUIESCING is also issued by the message channel agent (MCA) when the queue manager is in quiescing state.

### **Completion Code**

MQCC\_FAILED

## Programmer response

The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out.

## 2203 (089B) (RC2203): MQRC\_CONNECTION\_STOPPING

### Explanation

This reason code is issued when the connection to the queue manager is shutting down, and the application issues an MQI call. No more message-queuing calls can be issued. For the MQGET call, if the MQGMO\_WAIT option was specified, the wait is canceled.

Note that the MQRC\_CONNECTION\_BROKEN reason may be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.

MQRC\_CONNECTION\_STOPPING is also issued by the message channel agent (MCA) when the queue manager is shutting down.

For MQ client applications, it is possible that the call did complete successfully, even though this reason code is returned with a *CompCode* of MQCC\_FAILED.

### Completion Code

MQCC\_FAILED

## Programmer response

The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

## 2204 (089C) (RC2204): MQRC\_ADAPTER\_NOT\_AVAILABLE

### Explanation

This is issued only for CICS applications, if any call is issued and the CICS adapter (a Task Related User Exit) has been disabled, or has not been enabled.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

## Programmer response

The application should tidy up and terminate. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

## 2206 (089E) (RC2206): MQRC\_MSG\_ID\_ERROR

### Explanation

An MQGET call was issued to retrieve a message using the message identifier as a selection criterion, but the call failed because selection by message identifier is not supported on this queue.

- On z/OS, the queue is a shared queue, but the *IndexType* queue attribute does not have an appropriate value:
  - If selection is by message identifier alone, *IndexType* must have the value MQIT\_MSG\_ID.
  - If selection is by message identifier and correlation identifier combined, *IndexType* must have the value MQIT\_MSG\_ID or MQIT\_CORREL\_ID.
- On Compaq NonStop Kernel, a key file is required but has not been defined.

### Completion Code

MQCC\_FAILED

### Programmer response

Do one of the following:

- Modify the application so that it does not use selection by message identifier: set the *MsgId* field to MQMI\_NONE and do not specify MQMO\_MATCH\_MSG\_ID in MQGMO.
- On z/OS, change the *IndexType* queue attribute to MQIT\_MSG\_ID.
- On Compaq NonStop Kernel, define a key file.

## 2207 (089F) (RC2207): MQRC\_CORREL\_ID\_ERROR

### Explanation

An MQGET call was issued to retrieve a message using the correlation identifier as a selection criterion, but the call failed because selection by correlation identifier is not supported on this queue.

- On z/OS, the queue is a shared queue, but the *IndexType* queue attribute does not have an appropriate value:
  - If selection is by correlation identifier alone, *IndexType* must have the value MQIT\_CORREL\_ID.
  - If selection is by correlation identifier and message identifier combined, *IndexType* must have the value MQIT\_CORREL\_ID or MQIT\_MSG\_ID.
- On Compaq NonStop Kernel, a key file is required but has not been defined.

### Completion Code

MQCC\_FAILED

### Programmer response

Do one of the following:

- On z/OS, change the *IndexType* queue attribute to MQIT\_CORREL\_ID.
- On Compaq NonStop Kernel, define a key file.



- Modify the application so that it does not use selection by correlation identifier: set the *CorrelId* field to MQCI\_NONE and do not specify MQMO\_MATCH\_CORREL\_ID in MQGMO.

## **2208 (08A0) (RC2208): MQRC\_FILE\_SYSTEM\_ERROR**

### **Explanation**

An unexpected return code was received from the file system, in attempting to perform an operation on a queue.

This reason code occurs only on VSE/ESA™.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the file system definition for the queue that was being accessed. For a VSAM file, check that the control interval is large enough for the maximum message length allowed for the queue.

## **2209 (08A1) (RC2209): MQRC\_NO\_MSG\_LOCKED**

### **Explanation**

An MQGET call was issued with the MQGMO\_UNLOCK option, but no message was currently locked.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Check that a message was locked by an earlier MQGET call with the MQGMO\_LOCK option for the same handle, and that no intervening call has caused the message to become unlocked.

## **2210 (08A2) (RC2210): MQRC\_SOAP\_DOTNET\_ERROR**

### **Explanation**

An exception from the .NET environment (as opposed to WebSphere MQ .NET) has been received and is included as an inner exception.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Refer to the .NET documentation for details about the inner exception. Follow the corrective action recommended there.

## **2211 (08A3) (RC2211): MQRC\_SOAP\_AXIS\_ERROR**

### **Explanation**

An exception from the Axis environment has been received and is included as a chained exception.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Refer to the Axis documentation for details about the chained exception. Follow the corrective action recommended there.

## **2212 (08A4) (RC2212): MQRC\_SOAP\_URL\_ERROR**

### **Explanation**

The SOAP URL has been specified incorrectly.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the SOAP URL and rerun.

## **2217 (08A9) (RC2217): MQRC\_CONNECTION\_NOT\_AUTHORIZED**

### **Explanation**

This reason code arises only for CICS applications. For these, connection to the queue manager is done by the adapter. If that connection fails because the CICS subsystem is not authorized to connect to the queue manager, this reason code is issued whenever an application running under that subsystem subsequently issues an MQI call.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the subsystem is authorized to connect to the queue manager.

## **2218 (08AA) (RC2218): MQRC\_MSG\_TOO\_BIG\_FOR\_CHANNEL**

### **Explanation**

A message was put to a remote queue, but the message is larger than the maximum message length allowed by the channel. This reason code is returned in the *Feedback* field in the message descriptor of a report message.

- On z/OS, this return code is issued only if you are not using CICS for distributed queuing. Otherwise, MQRC\_MSG\_TOO\_BIG\_FOR\_Q\_MGR is issued.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the channel definitions. Increase the maximum message length that the channel can accept, or break the message into several smaller messages.

## 2219 (08AB) (RC2219): MQRC\_CALL\_IN\_PROGRESS

### Explanation

The application issued an MQI call whilst another MQI call was already being processed for that connection. Only one call per application connection can be processed at a time.

Concurrent calls can arise when an application uses multiple threads, or when an exit is invoked as part of the processing of an MQI call. For example, a data-conversion exit invoked as part of the processing of the MQGET call may try to issue an MQI call.

- On z/OS, concurrent calls can arise only with batch or IMS applications; an example is when a subtask ends while an MQI call is in progress (for example, an MQGET that is waiting), and there is an end-of-task exit routine that issues another MQI call.
- On OS/2 and Windows, concurrent calls can also arise if an MQI call is issued in response to a user message while another MQI call is in progress.
- If the application is using multiple threads with shared handles, MQRC\_CALL\_IN\_PROGRESS occurs when the handle specified on the call is already in use by another thread and MQCNO\_HANDLE\_SHARE\_NO\_BLOCK was specified on the MQCONN call.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that an MQI call cannot be issued while another one is active. Do not issue MQI calls from within a data-conversion exit.

- On z/OS, if you want to provide a subtask to allow an application that is waiting for a message to arrive to be canceled, wait for the message by using MQGET with MQGMO\_SET\_SIGNAL, rather than MQGMO\_WAIT.

## 2220 (08AC) (RC2220): MQRC\_RMH\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQRMH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQRMH\_STRUC\_ID.
- The *Version* field is not MQRMH\_VERSION\_1.

- The *StrucLength* field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

### 2222 (08AE) (RC2222): MQRC\_Q\_MGR\_ACTIVE

#### Explanation

This condition is detected when a queue manager becomes active.

- On z/OS, this event is not generated for the first start of a queue manager, only on subsequent restarts.

### Completion Code

MQCC\_WARNING

### Programmer response

None. This reason code is only used to identify the corresponding event message.

### 2223 (08AF) (RC2223): MQRC\_Q\_MGR\_NOT\_ACTIVE

#### Explanation

This condition is detected when a queue manager is requested to stop or quiesce.

### Completion Code

MQCC\_WARNING

### Programmer response

None. This reason code is only used to identify the corresponding event message.

## **2224 (08B0) (RC2224): MQRC\_Q\_DEPTH\_HIGH**

### **Explanation**

An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the *QDepthHighLimit* attribute.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2225 (08B1) (RC2225): MQRC\_Q\_DEPTH\_LOW**

### **Explanation**

An MQGET call has caused the queue depth to be decremented to or below the limit specified in the *QDepthLowLimit* attribute.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2226 (08B2) (RC2226): MQRC\_Q\_SERVICE\_INTERVAL\_HIGH**

### **Explanation**

No successful gets or puts have been detected within an interval that is greater than the limit specified in the *QServiceInterval* attribute.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2227 (08B3) (RC2227): MQRC\_Q\_SERVICE\_INTERVAL\_OK**

### **Explanation**

A successful get has been detected within an interval that is less than or equal to the limit specified in the *QServiceInterval* attribute.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

### **2228 (08B4) (RC2228): MQRC\_RFH\_HEADER\_FIELD\_ERROR**

#### **Explanation**

An expected RFH header field was not found or had an invalid value. If this error occurs in a WebSphere MQ SOAP listener, the missing or erroneous field is either the *contentType* field or the *transportVersion* field or both.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

If this error occurs in a WebSphere MQ SOAP listener, and you are using the IBM-supplied sender, contact your IBM Support Center. If you are using a bespoke sender, check the associated error message, and that the RFH2 section of the SOAP/MQ request message contains all the mandatory fields, and that these fields have valid values.

### **2229 (08B5) (RC2229): MQRC\_RAS\_PROPERTY\_ERROR**

#### **Explanation**

There is an error related to the RAS property file. The file may be missing, it may be not accessible, or the commands in the file may be incorrect.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Look at the associated error message, which will explain the error in detail. Correct the error and retry.

### **2232 (08B8) (RC2232): MQRC\_UNIT\_OF\_WORK\_NOT\_STARTED**

#### **Explanation**

An MQGET, MQPUT or MQPUT1 call was issued to get or put a message within a unit of work, but no TM/MP transaction had been started. If MQGMO\_NO\_SYNCPOINT is not specified on MQGET, or MQPMO\_NO\_SYNCPOINT is not specified on MQPUT or MQPUT1 (the default), the call requires a unit of work.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure a TM/MP transaction is available, or issue the MQGET call with the MQGMO\_NO\_SYNCPOINT option, or the MQPUT or MQPUT1 call with the MQPMO\_NO\_SYNCPOINT option, which will cause a transaction to be started automatically.

### **2233 (08B9) (RC2233): MQRC\_CHANNEL\_AUTO\_DEF\_OK**

#### **Explanation**

This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

### **2234 (08BA) (RC2234): MQRC\_CHANNEL\_AUTO\_DEF\_ERROR**

#### **Explanation**

This condition is detected when the automatic definition of a channel fails; this may be because an error occurred during the definition process, or because the channel automatic-definition exit inhibited the definition. Additional information is returned in the event message indicating the reason for the failure.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Examine the additional information returned in the event message to determine the reason for the failure.

### **2235 (08BB) (RC2235): MQRC\_CFH\_ERROR**

#### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFH structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Check that the fields in the structure are set correctly.

**2236 (08BC) (RC2236): MQRC\_CFIL\_ERROR****Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFIL or MQRCFIL64 structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Check that the fields in the structure are set correctly.

**2237 (08BD) (RC2237): MQRC\_CFIN\_ERROR****Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFIN or MQCFIN64 structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Check that the fields in the structure are set correctly.

**2238 (08BE) (RC2238): MQRC\_CFSL\_ERROR****Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFSL structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

**Completion Code**

MQCC\_FAILED



## Programmer response

Check that the fields in the structure are set correctly.

### **2239 (08BF) (RC2239): MQRC\_CFST\_ERROR**

#### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFST structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Check that the fields in the structure are set correctly.

### **2241 (08C1) (RC2241): MQRC\_INCOMPLETE\_GROUP**

#### **Explanation**

An operation was attempted on a queue using a queue handle that had an incomplete message group. This reason code can arise in the following situations:

- On the MQPUT call, when the application specifies MQPMO\_LOGICAL\_ORDER and attempts to put a message that is not in a group. The completion code is MQCC\_FAILED in this case.
- On the MQPUT call, when the application does *not* specify MQPMO\_LOGICAL\_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO\_LOGICAL\_ORDER. The completion code is MQCC\_WARNING in this case.
- On the MQGET call, when the application does *not* specify MQGMO\_LOGICAL\_ORDER, but the previous MQGET call for the queue handle did specify MQGMO\_LOGICAL\_ORDER. The completion code is MQCC\_WARNING in this case.
- On the MQCLOSE call, when the application attempts to close the queue that has the incomplete message group. The completion code is MQCC\_WARNING in this case.

If there is an incomplete logical message as well as an incomplete message group, reason code MQRC\_INCOMPLETE\_MSG is returned in preference to MQRC\_INCOMPLETE\_GROUP.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_WARNING or MQCC\_FAILED

## Programmer response

If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last message in the group specifies MQMF\_LAST\_MSG\_IN\_GROUP.

### **2242 (08C2) (RC2242): MQRC\_INCOMPLETE\_MSG**

#### Explanation

An operation was attempted on a queue using a queue handle that had an incomplete logical message. This reason code can arise in the following situations:

- On the MQPUT call, when the application specifies MQPMO\_LOGICAL\_ORDER and attempts to put a message that is not a segment, or that has a setting for the MQMF\_LAST\_MSG\_IN\_GROUP flag that is different from the previous message. The completion code is MQCC\_FAILED in this case.
- On the MQPUT call, when the application does *not* specify MQPMO\_LOGICAL\_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO\_LOGICAL\_ORDER. The completion code is MQCC\_WARNING in this case.
- On the MQGET call, when the application does *not* specify MQGMO\_LOGICAL\_ORDER, but the previous MQGET call for the queue handle did specify MQGMO\_LOGICAL\_ORDER. The completion code is MQCC\_WARNING in this case.
- On the MQCLOSE call, when the application attempts to close the queue that has the incomplete logical message. The completion code is MQCC\_WARNING in this case.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### Completion Code

MQCC\_WARNING or MQCC\_FAILED

## Programmer response

If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last segment specifies MQMF\_LAST\_SEGMENT.

### **2243 (08C3) (RC2243): MQRC\_INCONSISTENT\_CCIDS**

#### Explanation

An MQGET call was issued specifying the MQGMO\_COMPLETE\_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the *CodedCharSetId* field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC\_WARNING, but only the first few segments that have identical character-set identifiers are returned.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

## Completion Code

MQCC\_WARNING

## Programmer response

Remove the MQGMO\_COMPLETE\_MSG option from the MQGET call and retrieve the remaining message segments one by one.

## 2244 (08C4) (RC2244): MQRC\_INCONSISTENT\_ENCODINGS

### Explanation

An MQGET call was issued specifying the MQGMO\_COMPLETE\_MSG option, but the message to be retrieved consists of two or more segments that have differing values for the *Encoding* field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC\_WARNING, but only the first few segments that have identical encodings are returned.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

## Completion Code

MQCC\_WARNING

## Programmer response

Remove the MQGMO\_COMPLETE\_MSG option from the MQGET call and retrieve the remaining message segments one by one.

## 2245 (08C5) (RC2245): MQRC\_INCONSISTENT\_UOW

### Explanation

One of the following applies:

- An MQPUT call was issued to put a message in a group or a segment of a logical message, but the value specified or defaulted for the MQPMO\_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. If the current call specifies MQPMO\_LOGICAL\_ORDER, the call fails. If the current call does not specify MQPMO\_LOGICAL\_ORDER, but the previous MQPUT call for the queue handle did, the call succeeds with completion code MQCC\_WARNING.
- An MQGET call was issued to remove from the queue a message in a group or a segment of a logical message, but the value specified or defaulted for the MQGMO\_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. If the current call specifies MQGMO\_LOGICAL\_ORDER, the call fails. If the current call does not specify MQGMO\_LOGICAL\_ORDER, but the previous MQGET call for the queue handle did, the call succeeds with completion code MQCC\_WARNING.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_WARNING or MQCC\_FAILED

### Programmer response

Modify the application to ensure that the same unit-of-work specification is used for all messages in the group, or all segments of the logical message.

## 2246 (08C6) (RC2246): MQRC\_INVALID\_MSG\_UNDER\_CURSOR

### Explanation

An MQGET call was issued specifying the MQGMO\_COMPLETE\_MSG option with either MQGMO\_MSG\_UNDER\_CURSOR or MQGMO\_BROWSE\_MSG\_UNDER\_CURSOR, but the message that is under the cursor has an MQMD with an *Offset* field that is greater than zero. Because MQGMO\_COMPLETE\_MSG was specified, the message is not valid for retrieval.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Reposition the browse cursor so that it is located on a message whose *Offset* field in MQMD is zero. Alternatively, remove the MQGMO\_COMPLETE\_MSG option.

## 2247 (08C7) (RC2247): MQRC\_MATCH\_OPTIONS\_ERROR

### Explanation

An MQGET call was issued, but the value of the *MatchOptions* field in the *GetMsgOpts* parameter is not valid, for one of the following reasons:

- An undefined option is specified.
- All of the following are true:
  - MQGMO\_LOGICAL\_ORDER is specified.
  - There is a current message group or logical message for the queue handle.
  - Neither MQGMO\_BROWSE\_MSG\_UNDER\_CURSOR nor MQGMO\_MSG\_UNDER\_CURSOR is specified.
  - One or more of the MQMO\_\* options is specified.
  - The values of the fields in the *MsgDesc* parameter corresponding to the MQMO\_\* options specified, differ from the values of those fields in the MQMD for the message to be returned next.
- On z/OS, one or more of the options specified is not valid for the index type of the queue.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that only valid options are specified for the field.

### 2248 (08C8) (RC2248): MQRC\_MDE\_ERROR

#### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQMDE structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQMDE\_STRUC\_ID.
- The *Version* field is not MQMDE\_VERSION\_2.
- The *StrucLength* field is not MQMDE\_LENGTH\_2.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

### 2249 (08C9) (RC2249): MQRC\_MSG\_FLAGS\_ERROR

#### Explanation

An MQPUT or MQPUT1 call was issued, but the *MsgFlags* field in the message descriptor MQMD contains one or more message flags that are not recognized by the local queue manager. The message flags that cause this reason code to be returned depend on the destination of the message; see the description of REPORT in the WebSphere MQ Application Programming Reference for more details.

This reason code can also occur in the *Feedback* field in the MQMD of a report message, or in the *Reason* field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the message flags specified by the sender of the message.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Do the following:

- Ensure that the *MsgFlags* field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQMF\_NONE if no message flags are needed.
- Ensure that the message flags specified are valid; see the *MsgFlags* field described in the description of MQMD in the WebSphere MQ Application Programming Reference for valid message flags.
- If multiple message flags are being set by adding the individual message flags together, ensure that the same message flag is not added twice.
- On z/OS, ensure that the message flags specified are valid for the index type of the queue; see the description of the *MsgFlags* field in MQMD for further details.

### 2250 (08CA) (RC2250): MQRC\_MSG\_SEQ\_NUMBER\_ERROR

#### Explanation

An MQGET, MQPUT, or MQPUT1 call was issued, but the value of the *MsgSeqNumber* field in the MQMD or MQMDE structure is less than one or greater than 999 999 999.

This error can also occur on the MQPUT call if the *MsgSeqNumber* field would have become greater than 999 999 999 as a result of the call.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value in the range 1 through 999 999 999. Do not attempt to create a message group containing more than 999 999 999 messages.

### 2251 (08CB) (RC2251): MQRC\_OFFSET\_ERROR

#### Explanation

An MQPUT or MQPUT1 call was issued, but the value of the *Offset* field in the MQMD or MQMDE structure is less than zero or greater than 999 999 999.

This error can also occur on the MQPUT call if the *Offset* field would have become greater than 999 999 999 as a result of the call.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value in the range 0 through 999 999 999. Do not attempt to create a message segment that would extend beyond an offset of 999 999 999.

## **2252 (08CC) (RC2252): MQRC\_ORIGINAL\_LENGTH\_ERROR**

### Explanation

An MQPUT or MQPUT1 call was issued to put a report message that is a segment, but the *OriginalLength* field in the MQMD or MQMDE structure is either:

- Less than the length of data in the message, or
- Less than one (for a segment that is not the last segment), or
- Less than zero (for a segment that is the last segment)

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value that is greater than zero. Zero is valid only for the last segment.

## **2253 (08CD) (RC2253): MQRC\_SEGMENT\_LENGTH\_ZERO**

### Explanation

An MQPUT or MQPUT1 call was issued to put the first or an intermediate segment of a logical message, but the length of the application message data in the segment (excluding any MQ headers that may be present) is zero. The length must be at least one for the first or intermediate segment.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check the application logic to ensure that segments are put with a length of one or greater. Only the last segment of a logical message is permitted to have a length of zero.

## 2255 (08CF) (RC2255): MQRC\_UOW\_NOT\_AVAILABLE

### Explanation

An MQGET, MQPUT, or MQPUT1 call was issued to get or put a message outside a unit of work, but the options specified on the call required the queue manager to process the call within a unit of work. Because there is already a user-defined unit of work in existence, the queue manager was unable to create a temporary unit of work for the duration of the call.

This reason occurs in the following circumstances:

- On an MQGET call, when the MQGMO\_COMPLETE\_MSG option is specified in MQGMO and the logical message to be retrieved is persistent and consists of two or more segments.
- On an MQPUT or MQPUT1 call, when the MQMF\_SEGMENTATION\_ALLOWED flag is specified in MQMD and the message requires segmentation.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Issue the MQGET, MQPUT, or MQPUT1 call inside the user-defined unit of work. Alternatively, for the MQPUT or MQPUT1 call, reduce the size of the message so that it does not require segmentation by the queue manager.

## 2256 (08D0) (RC2256): MQRC\_WRONG\_GMO\_VERSION

### Explanation

An MQGET call was issued specifying options that required an MQGMO with a version number not less than MQGMO\_VERSION\_2, but the MQGMO supplied did not satisfy this condition.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Modify the application to pass a version-2 MQGMO. Check the application logic to ensure that the *Version* field in MQGMO has been set to MQGMO\_VERSION\_2. Alternatively, remove the option that requires the version-2 MQGMO.



## 2257 (08D1) (RC2257): MQRC\_WRONG\_MD\_VERSION

### Explanation

An MQGET, MQPUT, or MQPUT1 call was issued specifying options that required an MQMD with a version number not less than MQMD\_VERSION\_2, but the MQMD supplied did not satisfy this condition.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Modify the application to pass a version-2 MQMD. Check the application logic to ensure that the *Version* field in MQMD has been set to MQMD\_VERSION\_2. Alternatively, remove the option that requires the version-2 MQMD.

## 2258 (08D2) (RC2258): MQRC\_GROUP\_ID\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued to put a distribution-list message that is also a message in a group, a message segment, or has segmentation allowed, but an invalid combination of options and values was specified. All of the following are true:

- MQPMO\_LOGICAL\_ORDER is not specified in the *Options* field in MQPMO.
- Either there are too few MQPMR records provided by MQPMO, or the *GroupId* field is not present in the MQPMR records.
- One or more of the following flags is specified in the *MsgFlags* field in MQMD or MQMDE:
  - MQMF\_SEGMENTATION\_ALLOWED
  - MQMF\_\*\_MSG\_IN\_GROUP
  - MQMF\_\*\_SEGMENT
- The *GroupId* field in MQMD or MQMDE is not MQGI\_NONE.

This combination of options and values would result in the same group identifier being used for all of the destinations in the distribution list; this is not permitted by the queue manager.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify MQGI\_NONE for the *GroupId* field in MQMD or MQMDE. Alternatively, if the call is MQPUT specify MQPMO\_LOGICAL\_ORDER in the *Options* field in MQPMO.

## 2259 (08D3) (RC2259): MQRC\_INCONSISTENT\_BROWSE

### Explanation

An MQGET call was issued with the MQGMO\_BROWSE\_NEXT option specified, but the specification of the MQGMO\_LOGICAL\_ORDER option for the call is different from the specification of that option for the previous call for the queue handle. Either both calls must specify MQGMO\_LOGICAL\_ORDER, or neither call must specify MQGMO\_LOGICAL\_ORDER.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Add or remove the MQGMO\_LOGICAL\_ORDER option as appropriate. Alternatively, to switch between logical order and physical order, specify the MQGMO\_BROWSE\_FIRST option to restart the scan from the beginning of the queue, omitting or specifying MQGMO\_LOGICAL\_ORDER as required.

## 2260 (08D4) (RC2260): MQRC\_XQH\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQXQH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQXQH\_STRUC\_ID.
- The *Version* field is not MQXQH\_VERSION\_1.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly.

## 2261 (08D5) (RC2261): MQRC\_SRC\_ENV\_ERROR

### Explanation

This reason occurs when a channel exit that processes reference messages detects an error in the source environment data of a reference message header (MQRMH). One of the following is true:

- *SrcEnvLength* is less than zero.

- *SrcEnvLength* is greater than zero, but there is no source environment data.
- *SrcEnvLength* is greater than zero, but *SrcEnvOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *SrcEnvLength* is greater than zero, but *SrcEnvOffset* plus *SrcEnvLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify the source environment data correctly.

## 2262 (08D6) (RC2262): MQRC\_SRC\_NAME\_ERROR

### Explanation

This reason occurs when a channel exit that processes reference messages detects an error in the source name data of a reference message header (MQRMH). One of the following is true:

- *SrcNameLength* is less than zero.
- *SrcNameLength* is greater than zero, but there is no source name data.
- *SrcNameLength* is greater than zero, but *SrcNameOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *SrcNameLength* is greater than zero, but *SrcNameOffset* plus *SrcNameLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify the source name data correctly.

## 2263 (08D7) (RC2263): MQRC\_DEST\_ENV\_ERROR

### Explanation

This reason occurs when a channel exit that processes reference messages detects an error in the destination environment data of a reference message header (MQRMH). One of the following is true:

- *DestEnvLength* is less than zero.
- *DestEnvLength* is greater than zero, but there is no destination environment data.
- *DestEnvLength* is greater than zero, but *DestEnvOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *DestEnvLength* is greater than zero, but *DestEnvOffset* plus *DestEnvLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify the destination environment data correctly.

## 2264 (08D8) (RC2264): MQRC\_DEST\_NAME\_ERROR

### Explanation

This reason occurs when a channel exit that processes reference messages detects an error in the destination name data of a reference message header (MQRMH). One of the following is true:

- *DestNameLength* is less than zero.
- *DestNameLength* is greater than zero, but there is no destination name data.
- *DestNameLength* is greater than zero, but *DestNameOffset* is negative, zero, or less than the length of the fixed part of MQRMH.
- *DestNameLength* is greater than zero, but *DestNameOffset* plus *DestNameLength* is greater than *StrucLength*.

The exit returns this reason in the *Feedback* field of the MQCXP structure. If an exception report is requested, it is copied to the *Feedback* field of the MQMD associated with the report.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

## Programmer response

Specify the destination name data correctly.

### **2265 (08D9) (RC2265): MQRC\_TM\_ERROR**

#### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQTM structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQTM\_STRUC\_ID.
- The *Version* field is not MQTM\_VERSION\_1.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Check that the fields in the structure are set correctly.

### **2266 (08DA) (RC2266): MQRC\_CLUSTER\_EXIT\_ERROR**

#### **Explanation**

An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit defined by the queue-manager's *ClusterWorkloadExit* attribute failed unexpectedly or did not respond in time. Subsequent MQOPEN, MQPUT, and MQPUT1 calls for this queue handle are processed as though the *ClusterWorkloadExit* attribute were blank.

- On z/OS, a message giving more information about the error is written to the system log, for example message CSQV455E or CSQV456E.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Check the cluster workload exit to ensure that it has been written correctly.

## 2267 (08DB) (RC2267): MQRC\_CLUSTER\_EXIT\_LOAD\_ERROR

### Explanation

An MQCONN or MQCONNX call was issued to connect to a queue manager, but the queue manager was unable to load the cluster workload exit. Execution continues without the cluster workload exit.

- On z/OS, if the cluster workload exit cannot be loaded, a message is written to the system log, for example message CSQV453I. Processing continues as though the *ClusterWorkloadExit* attribute had been blank.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_WARNING

### Programmer response

Ensure that the queue-manager's *ClusterWorkloadExit* attribute has the correct value, and that the exit has been installed into the correct location.

## 2268 (08DC) (RC2268): MQRC\_CLUSTER\_PUT\_INHIBITED

### Explanation

An MQOPEN call with the MQOO\_OUTPUT and MQOO\_BIND\_ON\_OPEN options in effect was issued for a cluster queue, but the call failed because all of the following are true:

- All instances of the cluster queue are currently put-inhibited (that is, all of the queue instances have the *InhibitPut* attribute set to MQQA\_PUT\_INHIBITED).
- There is no local instance of the queue. (If there is a local instance, the MQOPEN call succeeds, even if the local instance is put-inhibited.)
- There is no cluster workload exit for the queue, or there is a cluster workload exit but it did not choose a queue instance. (If the cluster workload exit does choose a queue instance, the MQOPEN call succeeds, even if that instance is put-inhibited.)

If the MQOO\_BIND\_NOT\_FIXED option is specified on the MQOPEN call, the call can succeed even if all of the queues in the cluster are put-inhibited. However, a subsequent MQPUT call may fail if all of the queues are still put-inhibited at the time of the MQPUT call.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### Completion Code

MQCC\_FAILED

## Programmer response

If the system design allows put requests to be inhibited for short periods, retry the operation later. If the problem persists, determine why all of the queues in the cluster are put-inhibited.

### **2269 (08DD) (RC2269): MQRC\_CLUSTER\_RESOURCE\_ERROR**

#### Explanation

An MQOPEN, MQPUT, or MQPUT1 call was issued for a cluster queue, but an error occurred whilst trying to use a resource required for clustering.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### Completion Code

MQCC\_FAILED

## Programmer response

Do the following:

- Check that the SYSTEM.CLUSTER.\* queues are not put inhibited or full.
- Check the event queues for any events relating to the SYSTEM.CLUSTER.\* queues, as these may give guidance as to the nature of the failure.
- Check that the repository queue manager is available.
- On z/OS, check the console for signs of the failure, such as full page sets.

### **2270 (08DE) (RC2270): MQRC\_NO\_DESTINATIONS\_AVAILABLE**

#### Explanation

An MQPUT or MQPUT1 call was issued to put a message on a cluster queue, but at the time of the call there were no longer any instances of the queue in the cluster. The message therefore could not be sent.

This situation can occur when MQOO\_BIND\_NOT\_FIXED is specified on the MQOPEN call that opens the queue, or MQPUT1 is used to put the message.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### Completion Code

MQCC\_FAILED

## Programmer response

Check the queue definition and queue status to determine why all instances of the queue were removed from the cluster. Correct the problem and rerun the application.

## 2271 (08DF) (RC2271): MQRC\_CONN\_TAG\_IN\_USE

### Explanation

An MQCONN or MQCONNX call was issued specifying one of the MQCNO\_\*\_CONN\_TAG\_\* options, but the call failed because the connection tag specified by *ConnTag* in MQCNO is in use by an active process or thread, or there is an unresolved unit of work that references this connection tag.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

The problem is likely to be transitory. The application should wait a short while and then retry the operation.

## 2272 (08E0) (RC2272): MQRC\_PARTIALLY\_CONVERTED

### Explanation

On an MQGET call with the MQGMO\_CONVERT option included in the *GetMsgOpts* parameter, one or more MQ header structures in the message data could not be converted to the specified target character set or encoding. In this situation, the MQ header structures are converted to the queue-manager's character set and encoding, and the application data in the message is converted to the target character set and encoding. On return from the call, the values returned in the various *CodedCharSetId* and *Encoding* fields in the *MsgDesc* parameter and MQ header structures indicate the character set and encoding that apply to each part of the message. The call completes with MQCC\_WARNING.

This reason code usually occurs when the specified target character set is one that causes the character strings in the MQ header structures to expand beyond the lengths of their fields. Unicode character set UCS-2 is an example of a character set that causes this to happen.

### Completion Code

MQCC\_FAILED

### Programmer response

If this is an expected situation, no corrective action is required.

If this is an unexpected situation, check that the MQ header structures contain valid data. If they do, specify as the target character set a character set that does not cause the strings to expand.

## 2273 (08E1) (RC2273): MQRC\_CONNECTION\_ERROR

### Explanation

An MQCONN or MQCONNX call failed for one of the following reasons:



- The installation and customization options chosen for WebSphere MQ do not allow connection by the type of application being used.
- The system parameter module is not at the same release level as the queue manager.
- The channel initiator is not at the same release level as the queue manager.
- An internal error was detected by the queue manager.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

None, if the installation and customization options chosen for WebSphere MQ do not allow all functions to be used.

Otherwise, if this occurs while starting the channel initiator, ensure that the queue manager and the channel initiator are both at the same release level and that their started task JCL procedures both specify the same level of WebSphere MQ program libraries; if this occurs while starting the queue manager, relinkedit the system parameter module (CSQZPARM) to ensure that it is at the correct level. If the problem persists, contact your IBM support center.

## 2274 (08E2) (RC2274): MQRC\_OPTION\_ENVIRONMENT\_ERROR

### Explanation

An MQGET call with the MQGMO\_MARK\_SKIP\_BACKOUT option specified was issued from a DB2 Stored Procedure. The call failed because the MQGMO\_MARK\_SKIP\_BACKOUT option cannot be used from a DB2 Stored Procedure.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Remove the MQGMO\_MARK\_SKIP\_BACKOUT option from the MQGET call.

## 2277 (08E5) (RC2277): MQRC\_CD\_ERROR

### Explanation

An MQCONN call was issued to connect to a queue manager, but the MQCD channel definition structure addressed by the *ClientConnOffset* or *ClientConnPtr* field in MQCNO contains data that is not valid. Consult the error log for more information about the nature of the error.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

## Completion Code

MQCC\_FAILED

## Programmer response

Ensure that input fields in the MQCD structure are set correctly.

## 2278 (08E6) (RC2278): MQRC\_CLIENT\_CONN\_ERROR

### Explanation

An MQCONN call was issued to connect to a queue manager, but the MQCD channel definition structure is not specified correctly. One of the following applies:

- *ClientConnOffset* is not zero and *ClientConnPtr* is not zero and not the null pointer.
- *ClientConnPtr* is not a valid pointer.
- *ClientConnPtr* or *ClientConnOffset* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems. It also occurs in Java applications when a client channel definition table is specified to determine the name of the channel, but the table itself cannot be found.

## Completion Code

MQCC\_FAILED

## Programmer response

Ensure that at least one of *ClientConnOffset* and *ClientConnPtr* is zero. Ensure that the field used points to accessible storage. Ensure that the URL of the client channel definition table is correct.

## 2279 (08E7) (RC2279): MQRC\_CHANNEL\_STOPPED\_BY\_USER

### Explanation

This condition is detected when the channel has been stopped by an operator. The reason qualifier identifies the reasons for stopping.

## Completion Code

MQCC\_WARNING

## Programmer response

None. This reason code is only used to identify the corresponding event message.

## 2280 (08E8) (RC2280): MQRC\_HCONFIG\_ERROR

### Explanation

The configuration handle *Hconfig* specified on the MQXEP call or MQZEP call is not valid. The MQXEP call is issued by an API exit function; the MQZEP call is issued by an installable service.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify the configuration handle that was provided by the queue manager:

- On the MQXEP call, use the handle passed in the *Hconfig* field of the MQAXP structure.
- On the MQZEP call, use the handle passed to the installable service's configuration function on the component initialization call. See the WebSphere MQ System Administration Guide book for information about installable services.

## 2281 (08E9) (RC2281): MQRC\_FUNCTION\_ERROR

### Explanation

An MQXEP or MQZEP call was issued, but the function identifier *Function* specified on the call is not valid, or not supported by the installable service being configured.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

Do the following:

- For the MQXEP call, specify one of the MQXF\_\* values.
- For the MQZEP call, specify an MQZID\_\* value that is valid for the installable service being configured. Refer to the description of the MQZEP call in the WebSphere MQ System Administration Guide book to determine which values are valid.

## 2282 (08EA) (RC2282): MQRC\_CHANNEL\_STARTED

### Explanation

One of the following has occurred:

- An operator has issued a Start Channel command.
- An instance of a channel has been successfully established. This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary such that message transfer can proceed.

### Completion Code

MQCC\_WARNING

### Programmer response

None. This reason code is only used to identify the corresponding event message.

## **2283 (08EB) (RC2283): MQRC\_CHANNEL\_STOPPED**

### **Explanation**

This condition is detected when the channel has been stopped. The reason qualifier identifies the reasons for stopping.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2284 (08EC) (RC2284): MQRC\_CHANNEL\_CONV\_ERROR**

### **Explanation**

This condition is detected when a channel is unable to do data conversion and the MQGET call to get a message from the transmission queue resulted in a data conversion error. The conversion reason code identifies the reason for the failure.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2285 (08ED) (RC2285): MQRC\_SERVICE\_NOT\_AVAILABLE**

### **Explanation**

This reason should be returned by an installable service component when the requested action cannot be performed because the required underlying service is not available.

- On z/OS, this reason code does not occur.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Make the underlying service available.

## **2286 (08EE) (RC2286): MQRC\_INITIALIZATION\_FAILED**

### **Explanation**

This reason should be returned by an installable service component when the component is unable to complete initialization successfully.

- On z/OS, this reason code does not occur.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Correct the error and retry the operation.

**2287 (08EF) (RC2287): MQRC\_TERMINATION\_FAILED****Explanation**

This reason should be returned by an installable service component when the component is unable to complete termination successfully.

- On z/OS, this reason code does not occur.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Correct the error and retry the operation.

**2288 (08F0) (RC2288): MQRC\_UNKNOWN\_Q\_NAME****Explanation**

This reason should be returned by the MQZ\_LOOKUP\_NAME installable service component when the name specified for the *QName* parameter is not recognized.

- On z/OS, this reason code does not occur.

**Completion Code**

MQCC\_FAILED

**Programmer response**

None. See the WebSphere MQ System Administration Guide book for information about installable services.

**2289 (08F1) (RC2289): MQRC\_SERVICE\_ERROR****Explanation**

This reason should be returned by an installable service component when the component encounters an unexpected error.

- On z/OS, this reason code does not occur.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Correct the error and retry the operation.

## 2290 (08F2) (RC2290): MQRC\_Q\_ALREADY\_EXISTS

### Explanation

This reason should be returned by the MQZ\_INSERT\_NAME installable service component when the queue specified by the *QName* parameter is already defined to the name service.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

None. See the WebSphere MQ System Administration Guide book for information about installable service.

## 2291 (08F3) (RC2291): MQRC\_USER\_ID\_NOT\_AVAILABLE

### Explanation

This reason should be returned by the MQZ\_FIND\_USERID installable service component when the user ID cannot be determined.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

None. See the WebSphere MQ System Administration Guide book for information about installable services.

## 2292 (08F4) (RC2292): MQRC\_UNKNOWN\_ENTITY

### Explanation

This reason should be returned by the authority installable service component when the name specified by the *EntityName* parameter is not recognized.

- On z/OS, this reason code does not occur.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the entity is defined.

## **2294 (08F6) (RC2294): MQRC\_UNKNOWN\_REF\_OBJECT**

### **Explanation**

This reason should be returned by the MQZ\_COPY\_ALL\_AUTHORITY installable service component when the name specified by the *RefObjectName* parameter is not recognized.

- On z/OS, this reason code does not occur.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the reference object is defined. See the WebSphere MQ System Administration Guide book for information about installable services.

## **2295 (08F7) (RC2295): MQRC\_CHANNEL\_ACTIVATED**

### **Explanation**

This condition is detected when a channel that has been waiting to become active, and for which a Channel Not Activated event has been generated, is now able to become active because an active slot has been released by another channel.

This event is not generated for a channel that is able to become active without waiting for an active slot to be released.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2296 (08F8) (RC2296): MQRC\_CHANNEL\_NOT\_ACTIVATED**

### **Explanation**

This condition is detected when a channel is required to become active, either because it is starting or because it is about to make another attempt to establish connection with its partner. However, it is unable to do so because the limit on the number of active channels has been reached.

- On z/OS, the maximum number of active channels is given by the ACTCHL queue manager attribute.
- In other environments, the maximum number of active channels is given by the MaxActiveChannels parameter in the qm.ini file.

The channel waits until it is able to take over an active slot released when another channel ceases to be active. At that time a Channel Activated event is generated.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

### **2297 (08F9) (RC2297): MQRC\_UOW\_CANCELED**

#### **Explanation**

An MQI call was issued, but the unit of work (TM/MP transaction) being used for the MQ operation had been canceled. This may have been done by TM/MP itself (for example, due to the transaction running for too long, or exceeding audit trail sizes), or by the application program issuing an ABORT\_TRANSACTION. All updates performed to resources owned by the queue manager are backed out.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Refer to the operating system's *Transaction Management Operations Guide* to determine how the Transaction Manager can be tuned to avoid the problem of system limits being exceeded.

### **2298 (08FA) (RC2298): MQRC\_FUNCTION\_NOT\_SUPPORTED**

#### **Explanation**

The function requested is not available in the current environment.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the call from the application.

### **2299 (08FB) (RC2299): MQRC\_SELECTOR\_TYPE\_ERROR**

#### **Explanation**

The *Selector* parameter has the wrong data type; it must be of type Long.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Declare the *Selector* parameter as Long.



## **2300 (08FC) (RC2300): MQRC\_COMMAND\_TYPE\_ERROR**

### **Explanation**

The mqExecute call was issued, but the value of the MQIASY\_TYPE data item in the administration bag is not MQCFT\_COMMAND.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the MQIASY\_TYPE data item in the administration bag has the value MQCFT\_COMMAND.

## **2301 (08FD) (RC2301): MQRC\_MULTIPLE\_INSTANCE\_ERROR**

### **Explanation**

The *Selector* parameter specifies a system selector (one of the MQIASY\_\* values), but the value of the *ItemIndex* parameter is not MQIND\_NONE. Only one instance of each system selector can exist in the bag.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify MQIND\_NONE for the *ItemIndex* parameter.

## **2302 (08FE) (RC2302): MQRC\_SYSTEM\_ITEM\_NOT\_ALTERABLE**

### **Explanation**

A call was issued to modify the value of a system data item in a bag (a data item with one of the MQIASY\_\* selectors), but the call failed because the data item is one that cannot be altered by the application.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify the selector of a user-defined data item, or remove the call.

## **2303 (08FF) (RC2303): MQRC\_BAG\_CONVERSION\_ERROR**

### **Explanation**

The mqBufferToBag or mqGetBag call was issued, but the data in the buffer or message could not be converted into a bag. This occurs when the data to be converted is not valid PCF.

## Completion Code

MQCC\_FAILED

## Programmer response

Check the logic of the application that created the buffer or message to ensure that the buffer or message contains valid PCF.

If the message contains PCF that is not valid, the message cannot be retrieved using the mqGetBag call:

- If one of the MQGMO\_BROWSE\_\* options was specified, the message remains on the queue and can be retrieved using the MQGET call.
- In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.

## 2304 (0900) (RC2304): MQRC\_SELECTOR\_OUT\_OF\_RANGE

### Explanation

The *Selector* parameter has a value that is outside the valid range for the call. If the bag was created with the MQCBO\_CHECK\_SELECTORS option:

- For the mqAddInteger call, the value must be within the range MQIA\_FIRST through MQIA\_LAST.
- For the mqAddString call, the value must be within the range MQCA\_FIRST through MQCA\_LAST.

If the bag was not created with the MQCBO\_CHECK\_SELECTORS option:

- The value must be zero or greater.

## Completion Code

MQCC\_FAILED

## Programmer response

Specify a valid value.

## 2305 (0901) (RC2305): MQRC\_SELECTOR\_NOT\_UNIQUE

### Explanation

The *ItemIndex* parameter has the value MQIND\_NONE, but the bag contains more than one data item with the selector value specified by the *Selector* parameter. MQIND\_NONE requires that the bag contain only one occurrence of the specified selector.

This reason code also occurs on the mqExecute call when the administration bag contains two or more occurrences of a selector for a required parameter that permits only one occurrence.

## Completion Code

MQCC\_FAILED

## Programmer response

Check the logic of the application that created the bag. If correct, specify for *ItemIndex* a value that is zero or greater, and add application logic to process all of the occurrences of the selector in the bag.

Review the description of the administration command being issued, and ensure that all required parameters are defined correctly in the bag.

### **2306 (0902) (RC2306): MQRC\_INDEX\_NOT\_PRESENT**

#### **Explanation**

The specified index is not present:

- For a bag, this means that the bag contains one or more data items that have the selector value specified by the *Selector* parameter, but none of them has the index value specified by the *ItemIndex* parameter. The data item identified by the *Selector* and *ItemIndex* parameters must exist in the bag.
- For a namelist, this means that the index parameter value is too large, and outside the range of valid values.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Specify the index of a data item that does exist in the bag or namelist. Use the `mqCountItems` call to determine the number of data items with the specified selector that exist in the bag, or the `nameCount` method to determine the number of names in the namelist.

### **2307 (0903) (RC2307): MQRC\_STRING\_ERROR**

#### **Explanation**

The *String* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Correct the parameter.

### **2308 (0904) (RC2308): MQRC\_ENCODING\_NOT\_SUPPORTED**

#### **Explanation**

The *Encoding* field in the message descriptor MQMD contains a value that is not supported:

- For the `mqPutBag` call, the field in error resides in the *MsgDesc* parameter of the call.

- For the `mqGetBag` call, the field in error resides in:
  - The *MsgDesc* parameter of the call if the `MQGMO_CONVERT` option was specified.
  - The message descriptor of the message about to be retrieved if `MQGMO_CONVERT` was *not* specified.

### Completion Code

MQCC\_FAILED

### Programmer response

The value must be `MQENC_NATIVE`.

If the value of the *Encoding* field in the message is not valid, the message cannot be retrieved using the `mqGetBag` call:

- If one of the `MQGMO_BROWSE_*` options was specified, the message remains on the queue and can be retrieved using the `MQGET` call.
- In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the `MQGET` call.

## 2309 (0905) (RC2309): MQRC\_SELECTOR\_NOT\_PRESENT

### Explanation

The *Selector* parameter specifies a selector that does not exist in the bag.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a selector that does exist in the bag.

## 2310 (0906) (RC2310): MQRC\_OUT\_SELECTOR\_ERROR

### Explanation

The *OutSelector* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the parameter.

## 2311 (0907) (RC2311): MQRC\_STRING\_TRUNCATED

### Explanation

The string returned by the call is too long to fit in the buffer provided. The string has been truncated to fit in the buffer.

### Completion Code

MQCC\_FAILED

### Programmer response

If the entire string is required, provide a larger buffer. On the `mqInquireString` call, the *StringLength* parameter is set by the call to indicate the size of the buffer required to accommodate the string without truncation.

## 2312 (0908) (RC2312): MQRC\_SELECTOR\_WRONG\_TYPE

### Explanation

A data item with the specified selector exists in the bag, but has a data type that conflicts with the data type implied by the call being used. For example, the data item might have an integer data type, but the call being used might be `mqSetString`, which implies a character data type.

This reason code also occurs on the `mqBagToBuffer`, `mqExecute`, and `mqPutBag` calls when `mqAddString` or `mqSetString` was used to add the `MQIACF_INQUIRY` data item to the bag.

### Completion Code

MQCC\_FAILED

### Programmer response

For the `mqSetInteger` and `mqSetString` calls, specify `MQIND_ALL` for the *ItemIndex* parameter to delete from the bag all existing occurrences of the specified selector before creating the new occurrence with the required data type.

For the `mqInquireBag`, `mqInquireInteger`, and `mqInquireString` calls, use the `mqInquireItemInfo` call to determine the data type of the item with the specified selector, and then use the appropriate call to determine the value of the data item.

For the `mqBagToBuffer`, `mqExecute`, and `mqPutBag` calls, ensure that the `MQIACF_INQUIRY` data item is added to the bag using the `mqAddInteger` or `mqSetInteger` calls.

## 2313 (0909) (RC2313): MQRC\_INCONSISTENT\_ITEM\_TYPE

### Explanation

The `mqAddInteger` or `mqAddString` call was issued to add another occurrence of the specified selector to the bag, but the data type of this occurrence differed from the data type of the first occurrence.

This reason can also occur on the mqBufferToBag and mqGetBag calls, where it indicates that the PCF in the buffer or message contains a selector that occurs more than once but with inconsistent data types.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

For the mqAddInteger and mqAddString calls, use the call appropriate to the data type of the first occurrence of that selector in the bag.

For the mqBufferToBag and mqGetBag calls, check the logic of the application that created the buffer or sent the message to ensure that multiple-occurrence selectors occur with only one data type. A message that contains a mixture of data types for a selector cannot be retrieved using the mqGetBag call:

- If one of the MQGMO\_BROWSE\_\* options was specified, the message remains on the queue and can be retrieved using the MQGET call.
- In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.

## **2314 (090A) (RC2314): MQRC\_INDEX\_ERROR**

### **Explanation**

An index parameter to a call or method has a value that is not valid. The value must be zero or greater. For bag calls, certain MQIND\_\* values can also be specified:

- For the mqDeleteItem, mqSetInteger and mqSetString calls, MQIND\_ALL and MQIND\_NONE are valid.
- For the mqInquireBag, mqInquireInteger, mqInquireString, and mqInquireItemInfo calls, MQIND\_NONE is valid.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a valid value.

## **2315 (090B) (RC2315): MQRC\_SYSTEM\_BAG\_NOT\_ALTERABLE**

### **Explanation**

A call was issued to add a data item to a bag, modify the value of an existing data item in a bag, or retrieve a message into a bag, but the call failed because the bag is one that had been created by the system as a result of a previous mqExecute call. System bags cannot be modified by the application.

### **Completion Code**

MQCC\_FAILED

## Programmer response

Specify the handle of a bag created by the application, or remove the call.

### **2316 (090C) (RC2316): MQRC\_ITEM\_COUNT\_ERROR**

#### **Explanation**

The `mqTruncateBag` call was issued, but the `ItemCount` parameter specifies a value that is not valid. The value is either less than zero, or greater than the number of user-defined data items in the bag.

This reason also occurs on the `mqCountItems` call if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Specify a valid value. Use the `mqCountItems` call to determine the number of user-defined data items in the bag.

### **2317 (090D) (RC2317): MQRC\_FORMAT\_NOT\_SUPPORTED**

#### **Explanation**

The `Format` field in the message descriptor MQMD contains a value that is not supported:

- In an administration message, the format value must be one of the following: MQFMT\_ADMIN, MQFMT\_EVENT, MQFMT\_PCF. For the `mqPutBag` call, the field in error resides in the `MsgDesc` parameter of the call. For the `mqGetBag` call, the field in error resides in the message descriptor of the message about to be retrieved.
- On z/OS, the message was put to the command input queue with a format value of MQFMT\_ADMIN, but the version of MQ being used does not support that format for commands.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

If the error occurred when putting a message, correct the format value.

If the error occurred when getting a message, the message cannot be retrieved using the `mqGetBag` call:

- If one of the MQGMO\_BROWSE\_\* options was specified, the message remains on the queue and can be retrieved using the MQGET call.
- In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.

## **2318 (090E) (RC2318): MQRC\_SELECTOR\_NOT\_SUPPORTED**

### **Explanation**

The *Selector* parameter specifies a value that is a system selector (a value that is negative), but the system selector is not one that is supported by the call.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify a selector value that is supported.

## **2319 (090F) (RC2319): MQRC\_ITEM\_VALUE\_ERROR**

### **Explanation**

The mqInquireBag or mqInquireInteger call was issued, but the *ItemValue* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the parameter.

## **2320 (0910) (RC2320): MQRC\_HBAG\_ERROR**

### **Explanation**

A call was issued that has a parameter that is a bag handle, but the handle is not valid. For output parameters, this reason also occurs if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the parameter.

## **2321 (0911) (RC2321): MQRC\_PARAMETER\_MISSING**

### **Explanation**

An administration message requires a parameter that is not present in the administration bag. This reason code occurs only for bags created with the MQCBO\_ADMIN\_BAG or MQCBO\_REORDER\_AS\_REQUIRED options.



### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Review the description of the administration command being issued, and ensure that all required parameters are present in the bag.

### **2322 (0912) (RC2322): MQRC\_CMD\_SERVER\_NOT\_AVAILABLE**

#### **Explanation**

The command server that processes administration commands is not available.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Start the command server.

### **2323 (0913) (RC2323): MQRC\_STRING\_LENGTH\_ERROR**

#### **Explanation**

The *StringLength* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the parameter.

### **2324 (0914) (RC2324): MQRC\_INQUIRY\_COMMAND\_ERROR**

#### **Explanation**

The `mqAddInquiry` call was used previously to add attribute selectors to the bag, but the command code to be used for the `mqBagToBuffer`, `mqExecute`, or `mqPutBag` call is not recognized. As a result, the correct PCF message cannot be generated.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the `mqAddInquiry` calls and use instead the `mqAddInteger` call with the appropriate `MQIACF_*_ATTRS` or `MQIACH_*_ATTRS` selectors.

## **2325 (0915) (RC2325): MQRC\_NESTED\_BAG\_NOT\_SUPPORTED**

### **Explanation**

A bag that is input to the call contains nested bags. Nested bags are supported only for bags that are output from the call.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Use a different bag as input to the call.

## **2326 (0916) (RC2326): MQRC\_BAG\_WRONG\_TYPE**

### **Explanation**

The *Bag* parameter specifies the handle of a bag that has the wrong type for the call. The bag must be an administration bag, that is, it must be created with the MQCBO\_ADMIN\_BAG option specified on the mqCreateBag call.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify the MQCBO\_ADMIN\_BAG option when the bag is created.

## **2327 (0917) (RC2327): MQRC\_ITEM\_TYPE\_ERROR**

### **Explanation**

The mqInquireItemInfo call was issued, but the *ItemType* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the parameter.

## **2328 (0918) (RC2328): MQRC\_SYSTEM\_BAG\_NOT\_DELETABLE**

### **Explanation**

An mqDeleteBag call was issued to delete a bag, but the call failed because the bag is one that had been created by the system as a result of a previous mqExecute call. System bags cannot be deleted by the application.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify the handle of a bag created by the application, or remove the call.

### **2329 (0919) (RC2329): MQRC\_SYSTEM\_ITEM\_NOT\_DELETABLE**

### **Explanation**

A call was issued to delete a system data item from a bag (a data item with one of the MQIASY\_\* selectors), but the call failed because the data item is one that cannot be deleted by the application.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Specify the selector of a user-defined data item, or remove the call.

### **2330 (091A) (RC2330): MQRC\_CODED\_CHAR\_SET\_ID\_ERROR**

### **Explanation**

The *CodedCharSetId* parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Correct the parameter.

### **2331 (091B) (RC2331): MQRC\_MSG\_TOKEN\_ERROR**

### **Explanation**

An MQGET call was issued to retrieve a message using the message token as a selection criterion, but the options specified are not valid, because MQMO\_MATCH\_MSG\_TOKEN was specified with either MQGMO\_WAIT or MQGMO\_SET\_SIGNAL.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

## Programmer response

Remove the MQMO\_MATCH\_MSG\_TOKEN option from the MQGET call.

### **2332 (091C) (RC2332): MQRC\_MISSING\_WIH**

#### Explanation

An MQPUT or MQPUT1 call was issued to put a message on a queue whose *IndexType* attribute had the value MQIT\_MSG\_TOKEN, but the *Format* field in the MQMD was not MQFMT\_WORK\_INFO\_HEADER. This error occurs only when the message arrives at the destination queue manager.

This reason code occurs only on z/OS.

#### Completion Code

MQCC\_FAILED

## Programmer response

Modify the application to ensure that it places an MQWIH structure at the start of the message data, and sets the *Format* field in the MQMD to MQFMT\_WORK\_INFO\_HEADER. Alternatively, change the *ApplType* attribute of the process definition used by the destination queue to be MQAT\_WLM, and specify the required service name and service step name in its *EnvData* attribute.

### **2333 (091D) (RC2333): MQRC\_WIH\_ERROR**

#### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQWIH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQWIH\_STRUC\_ID.
- The *Version* field is not MQWIH\_VERSION\_1.
- The *StrucLength* field is not MQWIH\_LENGTH\_1.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).
- On z/OS, this error also occurs when the *IndexType* attribute of the queue is MQIT\_MSG\_TOKEN, but the message data does not begin with an MQWIH structure.

#### Completion Code

MQCC\_FAILED

## Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

- On z/OS, if the queue has an *IndexType* of MQIT\_MSG\_TOKEN, ensure that the message data begins with an MQWIH structure.

### 2334 (091E) (RC2334): MQRC\_RFH\_ERROR

#### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQRFH or MQRFH2 structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQRFH\_STRUC\_ID.
- The *Version* field is not MQRFH\_VERSION\_1 (MQRFH), or MQRFH\_VERSION\_2 (MQRFH2).
- The *StrucLength* field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure (the structure extends beyond the end of the message).

#### Completion Code

MQCC\_FAILED

#### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value (note: MQCCSI\_DEFAULT, MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are *not* valid in this field).

### 2335 (091F) (RC2335): MQRC\_RFH\_STRING\_ERROR

#### Explanation

The contents of the *NameValueString* field in the MQRFH structure are not valid. *NameValueString* must adhere to the following rules:

- The string must consist of zero or more name/value pairs separated from each other by one or more blanks; the blanks are not significant.
- If a name or value contains blanks that are significant, the name or value must be enclosed in double-quote characters.
- If a name or value itself contains one or more double-quote characters, the name or value must be enclosed in double-quote characters, and each embedded double-quote character must be doubled.
- A name or value can contain any characters other than the null, which acts as a delimiter. The null and characters following it, up to the defined length of *NameValueString*, are ignored.

The following is a valid *NameValueString*:

```
Famous_Words "The program displayed ""Hello World"""
```

#### Completion Code

MQCC\_FAILED

### **Programmer response**

Modify the application that generated the message to ensure that it places in the *NameValueString* field data that adheres to the rules listed above. Check that the *StrucLength* field is set to the correct value.

### **2336 (0920) (RC2336): MQRC\_RFH\_COMMAND\_ERROR**

#### **Explanation**

The message contains an MQRFH structure, but the command name contained in the *NameValueString* field is not valid.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application that generated the message to ensure that it places in the *NameValueString* field a command name that is valid.

### **2337 (0921) (RC2337): MQRC\_RFH\_PARM\_ERROR**

#### **Explanation**

The message contains an MQRFH structure, but a parameter name contained in the *NameValueString* field is not valid for the command specified.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application that generated the message to ensure that it places in the *NameValueString* field only parameters that are valid for the specified command.

### **2338 (0922) (RC2338): MQRC\_RFH\_DUPLICATE\_PARM**

#### **Explanation**

The message contains an MQRFH structure, but a parameter occurs more than once in the *NameValueString* field when only one occurrence is valid for the specified command.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application that generated the message to ensure that it places in the *NameValueString* field only one occurrence of the parameter.

## **2339 (0923) (RC2339): MQRC\_RFH\_PARM\_MISSING**

### **Explanation**

The message contains an MQRFH structure, but the command specified in the *NameValueString* field requires a parameter that is not present.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application that generated the message to ensure that it places in the *NameValueString* field all parameters that are required for the specified command.

## **2340 (0924) (RC2340): MQRC\_CHAR\_CONVERSION\_ERROR**

### **Explanation**

This reason code is returned by the Java MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between two nonUnicode character sets.

This reason code occurs in the following environment: MQ Classes for Java on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the National Language Resources component of the OS/390 Language Environment is installed, and that conversion between the IBM-1047 and ISO8859-1 character sets is available.

## **2341 (0925) (RC2341): MQRC\_UCS2\_CONVERSION\_ERROR**

### **Explanation**

This reason code is returned by the Java MQQueueManager constructor when a required character-set conversion is not available. The conversion required is between the UCS-2 Unicode character set and the queue-manager's character set. IBM-500 is used for the queue-manager's character set if no specific value is available.

This reason code occurs in the following environment: MQ Classes for Java on z/OS.

### **Completion Code**

MQCC\_FAILED

## Programmer response

Ensure that the relevant Unicode conversion tables are installed, and that they are available to the z/OS Language Environment. The conversion tables should be installed as part of the z/OS C/C++ optional feature. Refer to the *z/OS C/C++ Programming Guide* for more information about enabling UCS-2 conversions.

## 2342 (0926) (RC2342): MQRC\_DB2\_NOT\_AVAILABLE

### Explanation

An MQOPEN, MQPUT1, or MQSET call, or a command, was issued to access a shared queue, but it failed because the queue manager is not connected to a DB2 subsystem. As a result, the queue manager is unable to access the object definition relating to the shared queue.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

## Programmer response

Configure the DB2 subsystem so that the queue manager can connect to it.

## 2343 (0927) (RC2343): MQRC\_OBJECT\_NOT\_UNIQUE

### Explanation

An MQOPEN or MQPUT1 call, or a command, was issued to access a queue, but the call failed because the queue specified cannot be resolved unambiguously. There exists a shared queue with the specified name, and a nonshared queue with the same name.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

## Programmer response

One of the queues must be deleted. If the queue to be deleted contains messages, use the MQSC command MOVE QLOCAL to move the messages to a different queue, and then use the command DELETE QLOCAL to delete the queue.

## 2344 (0928) (RC2344): MQRC\_CONN\_TAG\_NOT\_RELEASED

### Explanation

An MQDISC call was issued when there was a unit of work outstanding for the connection handle. For CICS, IMS, and RRS connections, the MQDISC call does not commit or back out the unit of work. As a result, the connection tag associated with the unit of work is not yet available for reuse. The tag becomes available for reuse only when processing of the unit of work has been completed.



This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

Do not try to reuse the connection tag immediately. If the MQCONN call is issued with the same connection tag, and that tag is still in use, the call fails with reason code MQRC\_CONN\_TAG\_IN\_USE.

## **2345 (0929) (RC2345): MQRC\_CF\_NOT\_AVAILABLE**

### **Explanation**

An MQOPEN or MQPUT1 call was issued to access a shared queue, but the allocation of the coupling-facility structure specified in the queue definition failed because there is no suitable coupling facility to hold the structure, based on the preference list in the active CFRM policy.

This reason code can also occur when the API call requires a capability that is not supported by the CF level defined in the coupling-facility structure object. For example, this reason code is returned by an attempt to open a shared queue that has a index type of MQIT\_GROUP\_ID, but the coupling-facility structure for the queue has a CF level lower than three.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Make available a coupling facility with one of the names specified in the CFRM policy, or modify the CFRM policy to specify the names of coupling facilities that are available.

## **2346 (092A) (RC2346): MQRC\_CF\_STRUC\_IN\_USE**

### **Explanation**

An MQI call or command was issued to operate on a shared queue, but the call failed because the coupling-facility structure specified in the queue definition is temporarily unavailable. The coupling-facility structure can be unavailable because a structure dump is in progress, or new connectors to the structure are currently inhibited, or an existing connector to the structure failed or disconnected abnormally and clean-up is not yet complete.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

The problem is temporary; wait a short while and then retry the operation.

### **2347 (092B) (RC2347): MQRC\_CF\_STRUC\_LIST\_HDR\_IN\_USE**

#### **Explanation**

An MQGET, MQOPEN, MQPUT1, or MQSET call was issued to access a shared queue, but the call failed because the list header associated with the coupling-facility structure specified in the queue definition is temporarily unavailable. The list header is unavailable because it is undergoing recovery processing.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

The problem is temporary; wait a short while and then retry the operation.

### **2348 (092C) (RC2348): MQRC\_CF\_STRUC\_AUTH\_FAILED**

#### **Explanation**

An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the user is not authorized to access the coupling-facility structure specified in the queue definition.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the security profile for the user identifier used by the application so that the application can access the coupling-facility structure specified in the queue definition.

### **2349 (092D) (RC2349): MQRC\_CF\_STRUC\_ERROR**

#### **Explanation**

An MQOPEN or MQPUT1 call was issued to access a shared queue, but the call failed because the coupling-facility structure name specified in the queue definition is not defined in the CFRM data set, or is not the name of a list structure.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### Programmer response

Modify the queue definition to specify the name of a coupling-facility list structure that is defined in the CFRM data set.

### 2350 (092E) (RC2350): MQRC\_CONN\_TAG\_NOT\_USABLE

#### Explanation

An MQCONN call was issued specifying one of the MQCNO\_\*\_CONN\_TAG\_\* options, but the call failed because the connection tag specified by *ConnTag* in MQCNO is being used by the queue manager for recovery processing, and this processing is delayed pending recovery of the coupling facility.

This reason code occurs only on z/OS.

#### Completion Code

MQCC\_FAILED

### Programmer response

The problem is likely to persist. Consult the system programmer to ascertain the cause of the problem.

### 2351 (092F) (RC2351): MQRC\_GLOBAL\_UOW\_CONFLICT

#### Explanation

An attempt was made to use inside a global unit of work a connection handle that is participating in another global unit of work. This can occur when an application passes connection handles between objects where the objects are involved in different DTC transactions. Because transaction completion is asynchronous, it is possible for this error to occur *after* the application has finalized the first object and committed its transaction.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows and z/OS.

#### Completion Code

MQCC\_FAILED

### Programmer response

Check that the "MTS Transaction Support" attribute defined for the object's class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.

### 2352 (0930) (RC2352): MQRC\_LOCAL\_UOW\_CONFLICT

#### Explanation

An attempt was made to use inside a global unit of work a connection handle that is participating in a queue-manager coordinated local unit of work. This can occur

when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows and z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that the connection handle is not used by objects participating in different units of work.

### **2353 (0931) (RC2353): MQRC\_HANDLE\_IN\_USE\_FOR\_UOW**

#### **Explanation**

An attempt was made to use outside a unit of work a connection handle that is participating in a global unit of work.

This error can occur when an application passes connection handles between objects where one object is involved in a DTC transaction and the other is not. Because transaction completion is asynchronous, it is possible for this error to occur *after* the application has finalized the first object and committed its transaction.

This error can also occur when a single object that was created and associated with the transaction loses that association whilst the object is running. The association is lost when DTC terminates the transaction independently of MTS. This might be because the transaction timed out, or because DTC shut down.

This error does not occur for nontransactional MQI calls.

This reason code occurs only on Windows.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.

### **2354 (0932) (RC2354): MQRC\_UOW\_ENLISTMENT\_ERROR**

#### **Explanation**

This reason code can occur for a variety of reasons. The most likely reason is that an object created by a DTC transaction does not issue a transactional MQI call until after the DTC transaction has timed out. (If the DTC transaction times out after a

transactional MQI call has been issued, reason code MQRC\_HANDLE\_IN\_USE\_FOR\_UOW is returned by the failing MQI call.)

Another cause of MQRC\_UOW\_ENLISTMENT\_ERROR is incorrect installation; Windows NT<sup>®</sup> Service pack must be installed after the Windows NT Option pack.

This reason code occurs only on Windows.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the DTC “Transaction timeout” value. If necessary, verify the NT installation order.

## **2355 (0933) (RC2355): MQRC\_UOW\_MIX\_NOT\_SUPPORTED**

### **Explanation**

The mixture of calls used by the application to perform operations within a unit of work is not supported. In particular, it is not possible to mix within the same process a local unit of work coordinated by the queue manager with a global unit of work coordinated by DTC (Distributed Transaction Coordinator).

An application may cause this mixture to arise if some objects in a package are coordinated by DTC and others are not. It can also occur if transactional MQI calls from an MTS client are mixed with transactional MQI calls from a library package transactional MTS object.

No problem arises if all transactional MQI calls originate from transactional MTS objects, or all transactional MQI calls originate from nontransactional MTS objects. But when a mixture of styles is used, the first style used fixes the style for the unit of work, and subsequent attempts to use the other style within the process fail with reason code MQRC\_UOW\_MIX\_NOT\_SUPPORTED.

When an application is run twice, scheduling factors in the operating system mean that it is possible for the queue-manager-coordinated transactional calls to fail in one run, and for the DTC-coordinated transactional calls to fail in the other run.

This reason code occurs only on Windows when running a version of the queue manager prior to version 5.2.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the “MTS Transaction Support” attribute defined for the object’s class is set correctly. If necessary, modify the application so that objects executing within different units of work do not try to use the same connection handle.

## 2356 (0934) (RC2356): MQRC\_WXP\_ERROR

### Explanation

An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the workload exit parameter structure *ExitParms* is not valid, for one of the following reasons:

- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The *StrucId* field is not MQWXP\_STRUC\_ID.
- The *Version* field is not MQWXP\_VERSION\_2.
- The *CacheContext* field does not contain the value passed to the exit by the queue manager.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the parameter specified for *ExitParms* is the MQWXP structure that was passed to the exit when the exit was invoked.

## 2357 (0935) (RC2357): MQRC\_CURRENT\_RECORD\_ERROR

### Explanation

An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the address specified by the *CurrentRecord* parameter is not the address of a valid record. *CurrentRecord* must be the address of a destination record (MQWDR), queue record (MQWQR), or cluster record (MQWCR) residing within the cluster cache.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that the cluster workload exit passes the address of a valid record residing in the cluster cache.

## 2358 (0936) (RC2358): MQRC\_NEXT\_OFFSET\_ERROR

### Explanation

An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the offset specified by the *NextOffset* parameter is not valid. *NextOffset* must be the value of one of the following fields:

- *ChannelDefOffset* field in MQWDR
- *ClusterRecOffset* field in MQWDR
- *ClusterRecOffset* field in MQWQR
- *ClusterRecOffset* field in MQWCR

## Completion Code

MQCC\_FAILED

## Programmer response

Ensure that the value specified for the *NextOffset* parameter is the value of one of the fields listed above.

## 2359 (0937) (RC2359): MQRC\_NO\_RECORD\_AVAILABLE

### Explanation

An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the current record is the last record in the chain.

## Completion Code

MQCC\_FAILED

## Programmer response

None.

## 2360 (0938) (RC2360): MQRC\_OBJECT\_LEVEL\_INCOMPATIBLE

### Explanation

An MQOPEN or MQPUT1 call, or a command, was issued, but the definition of the object to be accessed is not compatible with the queue manager to which the application has connected. The object definition was created or modified by a different version of the queue manager.

If the object to be accessed is a queue, the incompatible object definition could be the object specified, or one of the object definitions used to resolve the specified object (for example, the base queue to which an alias queue resolves, or the transmission queue to which a remote queue or queue-manager alias resolves).

This reason code occurs only on z/OS.

## Completion Code

MQCC\_FAILED

## Programmer response

The application must be run on a queue manager that is compatible with the object definition. Refer to the WebSphere MQ for z/OS Concepts and Planning Guide and the WebSphere MQ for z/OS System Setup Guide for information about compatibility and migration between different versions of the queue manager.

## 2361 (0939) (RC2361): MQRC\_NEXT\_RECORD\_ERROR

### Explanation

An MQXCLWLN call was issued from a cluster workload exit to obtain the address of the next record in the chain, but the address specified for the *NextRecord* parameter is either null, not valid, or the address of read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid address for the *NextRecord* parameter.

## 2362 (093A) (RC2362): MQRC\_BACKOUT\_THRESHOLD\_REACHED

### Explanation

This reason code occurs only in the *Reason* field in an MQDLH structure, or in the *Feedback* field in the MQMD of a report message.

A JMS ConnectionConsumer found a message that exceeds the queue's backout threshold. The queue does not have a backout requeue queue defined, so the message was processed as specified by the disposition options in the *Report* field in the MQMD of the message.

On queue managers that do not support the *BackoutThreshold* and *BackoutRequeueQName* queue attributes, JMS ConnectionConsumer uses a value of 20 for the backout threshold. When the *BackoutCount* of a message reaches this threshold, the message is processed as specified by the disposition options.

If the *Report* field specifies one of the MQRO\_EXCEPTION\_\* options, this reason code appears in the *Feedback* field of the report message. If the *Report* field specifies MQRO\_DEAD\_LETTER\_Q, or the disposition report options are left as default, this reason code appears in the *Reason* field of the MQDLH.

### Completion Code

None

### Programmer response

Investigate the cause of the backout count being greater than the threshold. To correct this, define the backout queue for the queue concerned.

## 2363 (093B) (RC2363): MQRC\_MSG\_NOT\_MATCHED

### Explanation

This reason code occurs only in the *Reason* field in an MQDLH structure, or in the *Feedback* field in the MQMD of a report message.



While performing Point-to-Point messaging, JMS encountered a message matching none of the selectors of ConnectionConsumers monitoring the queue. To maintain performance, the message was processed as specified by the disposition options in the *Report* field in the MQMD of the message.

If the *Report* field specifies one of the MQRO\_EXCEPTION\_\* options, this reason code appears in the *Feedback* field of the report message. If the *Report* field specifies MQRO\_DEAD\_LETTER\_Q, or the disposition report options are left as default, this reason code appears in the *Reason* field of the MQDLH.

### **Completion Code**

None

### **Programmer response**

To correct this, ensure that the ConnectionConsumers monitoring the queue provide a complete set of selectors. Alternatively, set the QueueConnectionFactory to retain messages.

### **2364 (093C) (RC2364): MQRC\_JMS\_FORMAT\_ERROR**

#### **Explanation**

This reason code is generated when JMS encounters a message that it is unable to parse. If such a message is encountered by a JMS ConnectionConsumer, the message is processed as specified by the disposition options in the *Report* field in the MQMD of the message.

If the *Report* field specifies one of the MQRO\_EXCEPTION\_\* options, this reason code appears in the *Feedback* field of the report message. If the *Report* field specifies MQRO\_DEAD\_LETTER\_Q, or the disposition report options are left as default, this reason code appears in the *Reason* field of the MQDLH.

### **Completion Code**

None

### **Programmer response**

Investigate the origin of the message.

### **2365 (093D) (RC2365): MQRC\_SEGMENTS\_NOT\_SUPPORTED**

#### **Explanation**

An MQPUT call was issued to put a segment of a logical message, but the queue on which the message is to be placed has an *IndexType* of MQIT\_GROUP\_ID. Message segments cannot be placed on queues with this index type.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application to put messages that are not segments; ensure that the MQMF\_SEGMENT and MQMF\_LAST\_SEGMENT flags in the *MsgFlags* field in MQMD are not set, and that the *Offset* is zero. Alternatively, change the index type of the queue.

### **2366 (093E) (RC2366): MQRC\_WRONG\_CF\_LEVEL**

#### **Explanation**

An MQOPEN or MQPUT1 call was issued specifying a shared queue, but the queue requires a coupling-facility structure with a different level of capability.

This reason code occurs only on z/OS.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the coupling-facility structure used for the queue is at the level required to support the capabilities that the queue provides.

### **2367 (093F) (RC2367): MQRC\_CONFIG\_CREATE\_OBJECT**

#### **Explanation**

This condition is detected when an object is created.

#### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

### **2368 (0940) (RC2368): MQRC\_CONFIG\_CHANGE\_OBJECT**

#### **Explanation**

This condition is detected when an object is changed.

#### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2369 (0941) (RC2369): MQRC\_CONFIG\_DELETE\_OBJECT**

### **Explanation**

This condition is detected when an object is deleted.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2370 (0942) (RC2370): MQRC\_CONFIG\_REFRESH\_OBJECT**

### **Explanation**

This condition is detected when an object is refreshed.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2371 (0943) (RC2371): MQRC\_CHANNEL\_SSL\_ERROR**

### **Explanation**

This condition is detected when a connection cannot be established due to an SSL key-exchange or authentication failure.

### **Completion Code**

MQCC\_WARNING

### **Programmer response**

None. This reason code is only used to identify the corresponding event message.

## **2373 (0945) (RC2373): MQRC\_CF\_STRUC\_FAILED**

### **Explanation**

An MQI call or command was issued to access a shared queue, but the call failed because the coupling-facility structure used for the shared queue had failed.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

## Programmer response

Report the problem to the operator or administrator, who should use the MQSC command RECOVER CFSTRUCT to initiate recovery of the coupling-facility structure

### **2374 (0946) (RC2374): MQRC\_API\_EXIT\_ERROR**

#### **Explanation**

An API exit function returned an invalid response code, or failed in some other way.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Check the exit logic to ensure that the exit is returning valid values in the *ExitResponse* and *ExitResponse2* fields of the MQAXP structure. Consult the FFST record to see if it contains more detail about the problem.

### **2375 (0947) (RC2375): MQRC\_API\_EXIT\_INIT\_ERROR**

#### **Explanation**

The queue manager encountered an error while attempting to initialize the execution environment for an API exit function.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Consult the FFST record to obtain more detail about the problem.

### **2376 (0948) (RC2376): MQRC\_API\_EXIT\_TERM\_ERROR**

#### **Explanation**

The queue manager encountered an error while attempting to terminate the execution environment for an API exit function.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Consult the FFST record to obtain more detail about the problem.

### **2377 (0949) (RC2377): MQRC\_EXIT\_REASON\_ERROR**

#### **Explanation**

An MQXEP call was issued by an API exit function, but the value specified for the *ExitReason* parameter is either not valid, or not supported for the specified function identifier *Function*.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the exit function to specify a value for *ExitReason* that is valid for the specified value of *Function*.

### **2378 (094A) (RC2378): MQRC\_RESERVED\_VALUE\_ERROR**

#### **Explanation**

An MQXEP call was issued by an API exit function, but the value specified for the *Reserved* parameter is not valid. The value must be the null pointer.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the exit to specify the null pointer as the value of the *Reserved* parameter.

### **2379 (094B) (RC2379): MQRC\_NO\_DATA\_AVAILABLE**

#### **Explanation**

This reason should be returned by the MQZ\_ENUMERATE\_AUTHORITY\_DATA installable service component when there is no more authority data to return to the invoker of the service component.

- On z/OS, this reason code does not occur.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

None.

## 2380 (094C) (RC2380): MQRC\_SCO\_ERROR

### Explanation

On an MQCONN call, the MQSCO structure is not valid for one of the following reasons:

- The *StrucId* field is not MQSCO\_STRUC\_ID.
- The *Version* field is not MQSCO\_VERSION\_1.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

## Programmer response

Correct the definition of the MQSCO structure.

## 2381 (094D) (RC2381): MQRC\_KEY\_REPOSITORY\_ERROR

### Explanation

On an MQCONN or MQCONN call, the location of the key repository is either not specified, not valid, or results in an error when used to access the key repository. The location of the key repository is specified by one of the following:

- The value of the MQSSLKEYR environment variable (MQCONN or MQCONN call), or
- The value of the *KeyRepository* field in the MQSCO structure (MQCONN call only).

For the MQCONN call, if both MQSSLKEYR and *KeyRepository* are specified, the latter is used.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

## Programmer response

Specify a valid location for the key repository.

## 2382 (094E) (RC2382): MQRC\_CRYPTO\_HARDWARE\_ERROR

### Explanation

On an MQCONN or MQCONNX call, the configuration string for the cryptographic hardware is not valid, or results in an error when used to configure the cryptographic hardware. The configuration string is specified by one of the following:

- The value of the MQSSLCRYP environment variable (MQCONN or MQCONNX call), or
- The value of the *CryptoHardware* field in the MQSCO structure (MQCONNX call only).

For the MQCONNX call, if both MQSSLCRYP and *CryptoHardware* are specified, the latter is used.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid configuration string for the cryptographic hardware.

## 2383 (094F) (RC2383): MQRC\_AUTH\_INFO\_REC\_COUNT\_ERROR

### Explanation

On an MQCONNX call, the *AuthInfoRecCount* field in the MQSCO structure specifies a value that is less than zero.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value for *AuthInfoRecCount* that is zero or greater.

## 2384 (0950) (RC2384): MQRC\_AUTH\_INFO\_REC\_ERROR

### Explanation

On an MQCONNX call, the MQSCO structure does not specify the address of the MQAIR records correctly. One of the following applies:

- *AuthInfoRecCount* is greater than zero, but *AuthInfoRecOffset* is zero and *AuthInfoRecPtr* is the null pointer.
- *AuthInfoRecOffset* is not zero and *AuthInfoRecPtr* is not the null pointer.
- *AuthInfoRecPtr* is not a valid pointer.

- *AuthInfoRecOffset* or *AuthInfoRecPtr* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that one of *AuthInfoRecOffset* or *AuthInfoRecPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

## 2385 (0951) (RC2385): MQRC\_AIR\_ERROR

### Explanation

On an MQCONN call, an MQAIR record is not valid for one of the following reasons:

- The *StrucId* field is not MQAIR\_STRUC\_ID.
- The *Version* field is not MQAIR\_VERSION\_1.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the definition of the MQAIR record.

## 2386 (0952) (RC2386): MQRC\_AUTH\_INFO\_TYPE\_ERROR

### Explanation

On an MQCONN call, the *AuthInfoType* field in an MQAIR record specifies a value that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify MQAIT\_CRL\_LDAP for *AuthInfoType*.



## 2387 (0953) (RC2387): MQRC\_AUTH\_INFO\_CONN\_NAME\_ERROR

### Explanation

On an MQCONN call, the *AuthInfoConnName* field in an MQAIR record specifies a value that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a valid connection name.

## 2388 (0954) (RC2388): MQRC\_LDAP\_USER\_NAME\_ERROR

### Explanation

On an MQCONN call, an LDAP user name in an MQAIR record is not specified correctly. One of the following applies:

- *LDAPUserNameLength* is greater than zero, but *LDAPUserNameOffset* is zero and *LDAPUserNamePtr* is the null pointer.
- *LDAPUserNameOffset* is nonzero and *LDAPUserNamePtr* is not the null pointer.
- *LDAPUserNamePtr* is not a valid pointer.
- *LDAPUserNameOffset* or *LDAPUserNamePtr* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that one of *LDAPUserNameOffset* or *LDAPUserNamePtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

## 2389 (0955) (RC2389): MQRC\_LDAP\_USER\_NAME\_LENGTH\_ERR

### Explanation

On an MQCONN call, the *LDAPUserNameLength* field in an MQAIR record specifies a value that is less than zero.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value for *LDAPUserNameLength* that is zero or greater.

### **2390 (0956) (RC2390): MQRC\_LDAP\_PASSWORD\_ERROR**

#### Explanation

On an MQCONN call, the *LDAPPassword* field in an MQAIR record specifies a value when no value is allowed.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### Completion Code

MQCC\_FAILED

### Programmer response

Specify a value that is blank or null.

### **2391 (0957) (RC2391): MQRC\_SSL\_ALREADY\_INITIALIZED**

#### Explanation

An MQCONN or MQCONN call was issued with SSL configuration options specified, but the SSL environment had already been initialized. The connection to the queue manager completed successfully, but the SSL configuration options specified on the call were ignored; the existing SSL environment was used instead.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

#### Completion Code

MQCC\_WARNING

### Programmer response

If the application must be run with the SSL configuration options defined on the MQCONN or MQCONN call, use the MQDISC call to sever the connection to the queue manager and then terminate the application. Alternatively run the application later when the SSL environment has not been initialized.

### **2392 (0958) (RC2392): MQRC\_SSL\_CONFIG\_ERROR**

#### Explanation

On an MQCONN call, the MQCNO structure does not specify the MQSCO structure correctly. One of the following applies:

- *SSLConfigOffset* is nonzero and *SSLConfigPtr* is not the null pointer.
- *SSLConfigPtr* is not a valid pointer.
- *SSLConfigOffset* or *SSLConfigPtr* points to storage that is not accessible.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that one of *SSLConfigOffset* or *SSLConfigPtr* is zero and the other nonzero. Ensure that the field used points to accessible storage.

## 2393 (0959) (RC2393): MQRC\_SSL\_INITIALIZATION\_ERROR

### Explanation

An MQCONN or MQCONNX call was issued with SSL configuration options specified, but an error occurred during the initialization of the SSL environment.

This reason code occurs in the following environments: AIX, HP-UX, Solaris, Windows.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the SSL installation is correct.

## 2394 (095A) (RC2394): MQRC\_Q\_INDEX\_TYPE\_ERROR

### Explanation

An MQGET call was issued specifying one or more of the following options:

- MQGMO\_ALL\_MSGS\_AVAILABLE
- MQGMO\_ALL\_SEGMENTS\_AVAILABLE
- MQGMO\_COMPLETE\_MSG
- MQGMO\_LOGICAL\_ORDER

but the call failed because the queue is not indexed by group identifier. These options require the queue to have an *IndexType* of MQIT\_GROUP\_ID.

This reason code occurs only on z/OS.

### Completion Code

MQCC\_FAILED

### Programmer response

Redefine the queue to have an *IndexType* of MQIT\_GROUP\_ID. Alternatively, modify the application to avoid using the options listed above.

## **2395 (095B) (RC2395): MQRC\_CFBS\_ERROR**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFBS structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the fields in the structure are set correctly.

## **2396 (095C) (RC2396): MQRC\_SSL\_NOT\_ALLOWED**

### **Explanation**

A connection to a queue manager was requested, specifying SSL encryption. However, the connection mode requested is one that does not support SSL (for example, bindings connect).

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Modify the application to request client connection mode, or to disable SSL encryption.

## **2397 (095D) (RC2397): MQRC\_JSSE\_ERROR**

### **Explanation**

JSSE reported an error (for example, while connecting to a queue manager using SSL encryption). The MQException object containing this reason code references the Exception thrown by JSSE; this can be obtained by using the MQException.getCause() method. From JMS, the MQException is linked to the thrown JMSEException.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Inspect the causal exception to determine the JSSE error.

## **2398 (095E) (RC2398): MQRC\_SSL\_PEER\_NAME\_MISMATCH**

### **Explanation**

The application attempted to connect to the queue manager using SSL encryption, but the distinguished name presented by the queue manager does not match the specified pattern.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the certificates used to identify the queue manager. Also check the value of the sslPeerName property specified by the application.

## **2399 (095F) (RC2399): MQRC\_SSL\_PEER\_NAME\_ERROR**

### **Explanation**

The application specified a peer name of incorrect format.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the value of the sslPeerName property specified by the application.

## **2400 (0960) (RC2400): MQRC\_UNSUPPORTED\_CIPHER\_SUITE**

### **Explanation**

A connection to a queue manager was requested, specifying SSL encryption. However, JSSE reported that it does not support the CipherSuite specified by the application.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the CipherSuite specified by the application. Note that the names of JSSE CipherSuites differ from their equivalent CipherSpecs used by the queue manager.

Also, check that JSSE is correctly installed.

## **2401 (0961) (RC2401): MQRC\_SSL\_CERTIFICATE\_REVOKED**

### **Explanation**

A connection to a queue manager was requested, specifying SSL encryption. However, the certificate presented by the queue manager was found to be revoked by one of the specified CertStores.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check the certificates used to identify the queue manager.

## **2402 (0962) (RC2402): MQRC\_SSL\_CERT\_STORE\_ERROR**

### **Explanation**

A connection to a queue manager was requested, specifying SSL encryption. However, none of the CertStore objects provided by the application could be searched for the certificate presented by the queue manager. The MQException object containing this reason code references the Exception encountered when searching the first CertStore; this can be obtained using the `MQException.getCause()` method. From JMS, the MQException is linked to the thrown JMSEException.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Inspect the causal exception to determine the underlying error. Check the CertStore objects provided by your application. If the causal exception is a `java.lang.NoSuchElementException`, ensure that your application is not specifying an empty collection of CertStore objects.

## **2406 (0966) (RC2406): MQRC\_CLIENT\_EXIT\_LOAD\_ERROR**

### **Explanation**

The external user exit required for a client connection could not be loaded because the shared library specified for it cannot be found, or the entry point specified for it cannot be found.

This reason code occurs only with Java applications.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the correct library has been specified, and that the path variable for the machine environment includes the relevant directory. Ensure also that the entry point has been named properly and that the named library does export it.

### **2407 (0967) (RC2407): MQRC\_CLIENT\_EXIT\_ERROR**

#### **Explanation**

A failure occurred while executing a non-Java user exit for a client connection.

This reason code occurs only with Java applications.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the non-Java user exit can accept the parameters and message being passed to it and that it can handle error conditions, and that any information that the exit requires, such as user data, is correct and available.

### **2409 (0969) (RC2409): MQRC\_SSL\_KEY\_RESET\_ERROR**

#### **Explanation**

On an MQCONN or MQCONNX call, the value of the SSL key reset count is not in the valid range of 0 through 999 999 999.

The value of the SSL key reset count is specified by either the value of the MQSSLRESET environment variable (MQCONN or MQCONNX call), or the value of the *KeyResetCount* field in the MQSCO structure (MQCONNX call only). For the MQCONNX call, if both MQSSLRESET and *KeyResetCount* are specified, the latter is used. MQCONN or MQCONNX

If you specify an SSL/TLS secret key reset count between 1 byte and 32Kb, SSL/TLS channels will use a secret key reset count of 32Kb. This is to avoid the overhead of excessive key resets which would occur for small SSL/TLS secret key reset values.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the fields in the structure and the MQSSLRESET environment variable are set correctly.

### **2411 (096B) (RC2411): MQRC\_LOGGER\_STATUS**

#### **Explanation**

This condition is detected when a logger event occurs.

**Completion Code**

MQCC\_WARNING

**Programmer response**

None. This reason code is only used to identify the corresponding event message.

**2412 (096C) (RC2412): MQRC\_COMMAND\_MQSC****Explanation**

This condition is detected when an MQSC command is executed.

**Completion Code**

MQCC\_WARNING

**Programmer response**

None. This reason code is only used to identify the corresponding event message.

**2413 (096D) (RC2413): MQRC\_COMMAND\_PCF****Explanation**

This condition is detected when a PCF command is executed.

**Completion Code**

MQCC\_WARNING

**Programmer response**

None. This reason code is only used to identify the corresponding event message.

**2414 (096E) (RC2414): MQRC\_CFIF\_ERROR****Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFIF structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

**Completion Code**

MQCC\_FAILED

**Programmer response**

Check that the fields in the structure are set correctly.



## **2415 (096F) (RC2415): MQRC\_CFSF\_ERROR**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFSF structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the fields in the structure are set correctly.

## **2416 (0970) (RC2416): MQRC\_CFGR\_ERROR**

### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFGR structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, z/OS, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the fields in the structure are set correctly.

## **2417 (0971) (RC2417): MQRC\_MSG\_NOT\_ALLOWED\_IN\_GROUP**

### **Explanation**

An MQPUT or MQPUT1 call was issued to put a message in a group but it is not valid to put such a message in a group. An example of an invalid message is a PCF message where the Type is MQCFT\_TRACE\_ROUTE.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the invalid message from the group.

## **2418 (0972) (RC2418): MQRC\_FILTER\_OPERATOR\_ERROR**

### **Explanation**

The **Operator** parameter supplied is not valid.

If it is an input variable then the value is not one of the MQCFOP\_\* constant values. If it is an output variable then the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer response

Correct the parameter.

## 2419 (0973) (RC2419): MQRC\_NESTED\_SELECTOR\_ERROR

### Explanation

An mqAddBag call was issued, but the bag to be nested contained a data item with an inconsistent selector. This reason only occurs if the bag into which the nested bag was to be added was created with the MQCBO\_CHECK\_SELECTORS option.

### Completion Code

MQCC\_FAILED

### Programmer response

Ensure that all data items within the bag to be nested have selectors that are consistent with the data type implied by the item.

## 2420 (0974) (RC2420): MQRC\_EPH\_ERROR

### Explanation

An MQPUT or MQPUT1 call was issued, but the message data contains an MQEPH structure that is not valid. Possible errors include the following:

- The *StrucId* field is not MQEPH\_STRUC\_ID.
- The *Version* field is not MQEPH\_VERSION\_1.
- The *StrucLength* field specifies a value that is too small to include the structure plus the variable-length data at the end of the structure.
- The *CodedCharSetId* field is zero, or a negative value that is not valid.
- The *Flags* field contains an invalid combination of MQEPH\_\* values.
- The *BufferLength* parameter of the call has a value that is too small to accommodate the structure, so the structure extends beyond the end of the message.

### Completion Code

MQCC\_FAILED

### Programmer response

Check that the fields in the structure are set correctly. Ensure that the application sets the *CodedCharSetId* field to a valid value; note that MQCCSI\_DEFAULT,

MQCCSI\_EMBEDDED, MQCCSI\_Q\_MGR, and MQCCSI\_UNDEFINED are not valid in this field.

### **2421 (0975) (RC2421): MQRC\_RFH\_FORMAT\_ERROR**

#### **Explanation**

The message contains an MQRFH structure, but its format is incorrect. If you are using WebSphere MQ SOAP, the error is in an incoming SOAP/MQ request message.

#### **Completion Code**

MQCC\_FAILED

#### **Programmer response**

If you are using WebSphere MQ SOAP with the IBM-supplied sender, contact your IBM support center. If you are using WebSphere MQ SOAP with a bespoke sender, check that the RFH2 section of the SOAP/MQ request message is in valid RFH2 format.

### **2422 (0976) (RC2422): MQRC\_CFBF\_ERROR**

#### **Explanation**

An MQPUT or MQPUT1 call was issued, but the message data contains an MQCFBF structure that is not valid.

This reason code occurs in the following environments: AIX, HP-UX, OS/2, i5/OS, Solaris, Windows, plus WebSphere MQ clients connected to these systems.

#### **Completion Code**

MQCC\_FAILED

#### **Programmer response**

Check that the fields in the structure are set correctly.

### **2423 (0977) (RC2423): MQRC\_CLIENT\_CHANNEL\_CONFLICT**

#### **Explanation**

A client channel definition table was specified for determining the name of the channel, but the name has already been defined.

This reason code occurs only with Java applications.

#### **Completion Code**

MQCC\_FAILED

#### **Programmer response**

Change the channel name to blank and try again.

## **2424 (0978) (RC2424): MQRC\_SD\_ERROR**

### **Explanation**

On the MQSUB call, the Subscription Descriptor MQSD is not valid, for one of the following reasons:

- The StrucId field is not MQSD\_SCTruc\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid (it is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results can occur).
- The queue manager cannot copy the changes structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQSD structure are set correctly.

## **2425 (0979) (RC2425): MQRC\_TOPIC\_STRING\_ERROR**

### **Explanation**

On the MQOPEN or MQPUT1 call in the Object Descriptor MQOD, or on the MQSUB call in the Subscription Descriptor MQSD the resultant full topic string is not valid.

One of the following applies:

- ObjectName contains the name of a TOPIC object whose TOPICSTR attribute contains an empty topic string.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that there are no invalid topic string characters in either ObjectString or ObjectName.

## **2426 (097A) (RC2426): MQRC\_STS\_ERROR**

### **Explanation**

On an MQSTAT call, the MQSTS structure is not valid, for one of the following reasons:

- The StrucId field is not MQSTS\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQSTS structure are set correctly.

### **2428 (097C) (RC2428): MQRC\_NO\_SUBSCRIPTION**

#### **Explanation**

An MQSUB call using option MQSO\_RESUME was made specifying a full subscription name that does not match any existing subscription.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the subscription exists and that the full subscription name is correctly specified in your application. The full subscription name is built from the ConnTag field specified at connection time in the MQCNO structure and the SubName field specified at MQSUB time in the MQSD structure.

### **2429 (097D) (RC2429): MQRC\_SUBSCRIPTION\_IN\_USE**

#### **Explanation**

An MQSUB call using option MQSO\_RESUME was made specifying a full subscription name that exists and is in use by another application.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the subscription name is correctly specified in your application. The subscription name is specified in the SubName field in the MQSD structure.

## **2430 (097E) (RC2430): MQRC\_STAT\_TYPE\_ERROR**

### **Explanation**

### **Programmer response**

## **2431 (097F) (RC2431): MQRC\_SUB\_USER\_DATA\_ERROR**

### **Explanation**

On the MQSUB call in the Subscription Descriptor MQSD the SubUserData field is not valid. One of the following applies:

- SubUserData.VSLength is greater than zero, but SubUserData.VSOffset is zero and SubUserData.VSPtr is the null pointer.
- SubUserData.VSOffset is nonzero and SubUserData.VSPtr is not the null pointer (that is, it appears both fields are being used where only one is allowed).
- SubUserData.VSPtr is not a valid pointer.
- SubUserData.VSOffset or SubUserData.VSPtr points to storage that is not accessible.
- SubUserData.VSLength exceeds the maximum length allowed for this field.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that one of SubUserData.VSOffset or SubUserData.VSPtr is zero and the other nonzero. Ensure that the field used points to accessible storage. Specify a length that does not exceed the maximum length allowed for this field.

## **2432 (0980) (RC2432): MQRC\_SUB\_ALREADY\_EXISTS**

### **Explanation**

An MQSUB call was issued to create a subscription, using the MQSO\_CREATE option, but a subscription using the same SubName and ObjectString already exists.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the SubName and ObjectString input fields in the MQSD structure are set correctly, or use the MQSO\_RESUME option to get a handle for the subscription that already exists.

## **2434 (0982) (RC2434): MQRC\_IDENTITY\_MISMATCH**

### **Explanation**

An MQSUB call using either MQSO\_RESUME or MQSO\_ALTER was made against a subscription that has the MQSO\_FIXED\_USERID option set, by a userid other

than the one recorded as owning the subscription.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Correct the full subscription name to one that is unique, or update the existing subscription to allow different userids to use it by using the MQSO\_ANY\_USERID option from an application running under the owning userid.

### **2435 (0983) (RC2435): MQRC\_ALTER\_SUB\_ERROR**

#### **Explanation**

An MQSUB call using option MQSO\_ALTER was made changing a subscription that was created with the MQSO\_IMMUTABLE option.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly.

### **2436 (0984) (RC2436): MQRC\_DURABILITY\_NOT\_ALLOWED**

#### **Explanation**

An MQSUB call using the MQSO\_DURABLE option failed. This can be for one of the following reasons:

- The topic subscribed to is defined as DURSUB(NO).
- The queue named SYSTEM.DURABLE.SUBSCRIBER.QUEUE is not available.
- On z/OS, a shared queue was used as the destination for publications sent to this subscription and the queue named SYSTEM.DURABLE.SHARED.SUBSCRIBER.QUEUE is not available.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Durable subscriptions are stored on the SYSTEM.DURABLE.SUBSCRIBER.QUEUE. Ensure that this queue is available for use. Possible reasons for failure include the queue being full, the queue being put inhibited, or the queue not existing. If the topic subscribed to is defined as DURSUB(NO) either alter the administrative topic node to use DURSUB(YES) or use the MQSO\_NON\_DURABLE option instead.

## **2437 (0985) (RC2437): MQRC\_NO\_RETAINED\_MSG**

### **Explanation**

An MQSUBRQ call was made to a topic to request that any retained publications for this topic are sent to the subscriber. However there are no retained publications currently stored for this topic.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that publishers to the topic are marking their publication to be retained and that publications are being made to this topic.

## **2438 (0986) (RC2438): MQRC\_SRO\_ERROR**

### **Explanation**

On the MQSUBRQ call, the Subscription Request Options MQSRO is not valid, for one of the following reasons:

- The StrucId field is not MQSRO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQSRO structure are set correctly.

## **2440 (0988) (RC2440): MQRC\_SUB\_NAME\_ERROR**

### **Explanation**

On the MQSUB call in the Subscription Descriptor MQSD the SubName field is not valid or has been omitted. This is required if the MQSD option MQSO\_DURABLE is specified, but may also be used if MQSO\_DURABLE is not specified.

One of the following applies:

- SubName.VSLength is greater than zero, but SubName.VSOffset is zero and SubName.VSPtr is the null pointer.
- SubName.VSOffset is nonzero and SubName.VSPtr is not the null pointer (that is, it appears both fields are being used where only one is allowed).
- SubName.VSPtr is not a valid pointer.
- SubName.VSOffset or SubName.VSPtr points to storage that is not accessible.



- SubName.VSLength is zero but this field is required.
- SubName.VSLength exceeds the maximum length allowed for this field.

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that SubName is specified and SubName.VSLength is nonzero. Ensure that one of SubName.VSOffset or SubName.VSPtr is zero and the other nonzero. Ensure that the field used points to accessible storage. Specify a length that does not exceed the maximum length allowed for this field.

## 2441 (0989) (RC2441): MQRC\_OBJECT\_STRING\_ERROR

### Explanation

On the MQOPEN or MQPUT1 call in the Object Descriptor MQOD, or on the MQSUB call in the Subscription Descriptor MQSD the ObjectString field is not valid.

One of the following applies:

- ObjectString.VSLength is greater than zero, but ObjectString.VSOffset is zero and ObjectString.VSPtr is the null pointer.
- ObjectString.VSOffset is nonzero and ObjectString.VSPtr is not the null pointer (that is, it appears both fields are being used where only one is allowed).
- ObjectString.VSPtr is not a valid pointer.
- ObjectString.VSOffset or ObjectString.VSPtr points to storage that is not accessible.
- ObjectString.VSLength exceeds the maximum length allowed for this field.

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that one of ObjectString.VSOffset or ObjectString.VSPtr is zero and the other nonzero. Ensure that the field used points to accessible storage. Specify a length that does not exceed the maximum length allowed for this field.

## 2442 (098A) (RC2442): MQRC\_PROPERTY\_NAME\_ERROR

### Explanation

An attempt was made to set a property with an invalid name. This is for one of the following reasons:

- The name contained an invalid character.
- The name begins "JMS" or "usr.JMS" and the JMS property is not recognized.
- The name begins "mq" (except "mq\_usr"), "jms", "mcd", "usr" or "sib" (in any mixture of lower or uppercase) and contains more than one "." character (U+002E). Multiple "." characters are not allowed in properties with those prefixes.

- The name is "NULL", "TRUE", "FALSE", "NOT", "AND", "OR", "BETWEEN", "LIKE", "IN", "IS" and "ESCAPE" or is one of these keywords prefixed by "usr."
- The name begins with "Body" or "Root" (except for names beginning "Root.MQMD").
- A "." character must not be followed immediately by another "." character.
- The "." character cannot be the last character in a property name.

### Completion Code

MQCC\_FAILED

### Programmer Response

Valid property names are described in the WebSphere MQ documentation. Ensure that all properties in the message have valid names before re-issuing the call.

## 2443 (098B) (RC2443): MQRC\_SEGMENTATION\_NOT\_ALLOWED

### Explanation

An MQPUT or MQPUT1 call was issued to put a segmented message or a message that may be broken up into smaller segments (MQMF\_SEGMENTATION\_ALLOWED). The message was found to contain one or more MQ-defined properties in the message data; MQ-defined properties are not valid in the message data of a segmented message.

### Completion Code

MQCC\_FAILED

### Programmer Response

Remove the invalid properties from the message data or prevent the message from being segmented.

## 2444 (098C) (RC2444): MQRC\_CBD\_ERROR

### Explanation

a MQCB call the MQCBD structure is not valid for one of the following reasons:

- The StrucId field is not MQCBD\_STRUC\_ID
- The Version field specifies a value that is not valid or is not supported
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that input fields in the MQCBD structure are set correctly.

## **2445 (098D) (RC2445): MQRC\_CTLO\_ERROR**

### **Explanation**

On a MQCTL call the MQCTLO structure is not valid for one of the following reasons:

- The StrucId field is not MQCTLO\_STRUC\_ID
- The Version field specifies a value that is not valid or is not supported
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQCTLO structure are set correctly.

## **2446 (098E) (RC2446): MQRC\_NO\_CALLBACKS\_ACTIVE**

### **Explanation**

An MQCTL call was made with an Operation of MQOP\_START\_WAIT and has returned because there are no currently defined callbacks which are not suspended.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that there is at least one registered, resumed consumer function.

## **2448 (0990) (RC2448): MQRC\_CALLBACK\_NOT\_REGISTERED**

### **Explanation**

An attempt to issue an MQCB call has been made against an object handle which does not currently have a registered callback.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that a callback has been registered against the object handle.

**2452 (0994) (RC2452): MQRC\_CALLBACK\_ERROR****Explanation****Programmer response****2453 (0995) (RC2453): MQRC\_CALLBACK\_STILL\_ACTIVE****Explanation****Programmer response****2457 (0999) (RC2457): MQRC\_OPTIONS\_CHANGED****Explanation**

An MQGET call on a queue handle opened using MQOO\_READ\_AHEAD (or resolved to that value through the queue's default value) has altered an option that is required to be consistent between MQGET calls.

**Completion Code**

MQCC\_FAILED

**Programmer Response**

Keep all required MQGET options the same between invocations of MQGET, or use MQOO\_NO\_READ\_AHEAD when opening the queue.

**2458 (099A) (RC2458): MQRC\_READ\_AHEAD\_MSGS****Explanation**

On an MQCLOSE call, the option MQCO\_QUIESCE was used and there are still messages stored in client read ahead buffer that were sent to the client ahead of an application requesting them and have not yet been consumed by the application.

**Completion Code**

MQCC\_WARNING

**Programmer Response**

Continue to consume messages using the queue handle until there are no more available and then issue the MQCLOSE again, or choose to discard these messages by issuing the MQCLOSE call with the MQCO\_IMMEDIATE option instead.

**2459 (099B) (RC2459): MQRC\_SELECTOR\_SYNTAX\_ERROR****Explanation**

An MQOPEN, MQPUT1 or MQSUB call was issued but a selection string was specified which contained a syntax error.

**Completion Code**

MQCC\_FAILED

## Programmer Response

Consult the document *Message Selector Syntax in the Application Programming Guide* and ensure that you have correctly followed the rules for specifying selection strings. Correct any syntax errors and resubmit the MQ API call for which the error occurred.

### **2460 (099C) (RC2460): MQRC\_HMSG\_ERROR**

#### **Explanation**

On an MQCRTMH, MQDLTMH, MQSETMP, MQINQMP or MQDLT call, a message handle supplied is not valid, for one of the following reasons:

- The parameter pointer is not valid, or (for the MQCRTMH call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The value specified was not returned by a preceding MQCRTMH call.
- The value specified has been made invalid by a preceding MQDLTMH call.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that a successful MQCRTMH call is performed for the connection, and that an MQDLTMH call has not already been performed for it. Ensure that the handle is being used within its valid scope (see the description of MQCRTMH in the WebSphere MQ documentation).

### **2461 (099D) (RC2461): MQRC\_CMHO\_ERROR**

#### **Explanation**

On an MQCRTMH call, the create message handle options structure MQCMHO is not valid, for one of the following reasons:

- The StrucId field is not MQCMHO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that input fields in the MQCMHO structure are set correctly.

### **2462 (099E) (RC2462): MQRC\_DMHO\_ERROR**

#### **Explanation**

On an MQDLTMH call, the delete message handle options structure MQDMHO is not valid, for one of the following reasons:

- The StrucId field is not MQCMHO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that input fields in the MQDMHO structure are set correctly.

## 2463 (099F) (RC2463): MQRC\_SMPO\_ERROR

### Explanation

On an MQSETMP call, the set message property options structure MQSMPO is not valid, for one of the following reasons:

- The StrucId field is not MQSMPO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that input fields in the MQSMPO structure are set correctly.

## 2464 (09A0) (RC2464): MQRC\_IMPO\_ERROR

### Explanation

On an MQINQMP call, the inquire message property options structure MQIMPO is not valid, for one of the following reasons:

- The StrucId field is not MQIMPO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage.

### Completion Code

MQCC\_FAILED

### Programmer Response

Ensure that input fields in the MQIMPO structure are set correctly.

## **2465 (09A1) (RC2465): MQRC\_PROPERTY\_NAME\_TOO\_BIG**

### **Explanation**

### **Programmer response**

## **2466 (09A2) (RC2466): MQRC\_PROP\_VALUE\_NOT\_CONVERTED**

### **Explanation**

An MQINQMP call was issued with the MQIMPO\_CONVERT\_VALUE option specified in the InqPropOpts parameter, but an error occurred during conversion of the value of the property. The property value is returned unconverted, the values of the ReturnedCCSID and ReturnedEncoding fields in the InqPropOpts parameter are set to those of the value returned.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Check that the property value is correctly described by the ValueCCSID and ValueEncoding parameters that were specified when the property was set. Also check that these values, and the RequestedCCSID and RequestedEncoding specified in the InqPropOpts parameter of the MQINQMP call, are supported for MQ conversion. If the required conversion is not supported, conversion must be carried out by the application.

## **2467 (09A3) (RC2467): MQRC\_PROP\_TYPE\_NOT\_SUPPORTED**

### **Explanation**

An MQINQMP call was issued and the property inquired has an unsupported data type. A string representation of the value is returned and the TypeString field of the InqPropOpts parameter can be used to determine the data type of the property.

### **Completion Code**

MQCC\_WARNING

### **Programmer Response**

Check whether the property value was intended to have a data type indicated by the TypeString field. If so the application must decide how to interpret the value. If not modify the application that set the property to give it a supported data type.

## **2469 (09A5) (RC2469): MQRC\_PROPERTY\_VALUE\_TOO\_BIG**

### **Explanation**

On an MQINQMP call, the property value was too large to fit into the supplied buffer. The DataLength field is set to the length of the property value before truncation and the Value parameter contains as much of the value as fits.

On an MQMHBUF call, the BufferLength was less than the size of the properties to be put in the buffer. In this case the call fails. The DataLength field is set to the length of the properties before truncation.

### **Completion Code**

MQCC\_WARNING

### **Programmer Response**

Supply a buffer that is at least as large as DataLength if all of the property value data is required and call MQINQMP again with the MQIMPO\_INQ\_PROP\_UNDER\_CURSOR option specified.

### **2470 (09A6) (RC2470): MQRC\_PROP\_CONV\_NOT\_SUPPORTED**

#### **Explanation**

On an MQINQMP call, the MQIMPO\_CONVERT\_TYPE option was specified to request that the property value be converted to the supplied data type before the call returned. Conversion between the actual and requested property data types is not supported. The Type parameter indicates the data type of the property value.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Either call MQINQMP again without MQIMPO\_CONVERT\_TYPE specified, or request a data type for which conversion is supported.

### **2471 (09A7) (RC2471): MQRC\_PROPERTY\_NOT\_AVAILABLE**

#### **Explanation**

On an MQINQMP call, no property could be found that matched the specified name. When iterating through multiple properties, possibly using a name containing a wildcard character, this indicates that all properties matching the name have now been returned.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the correct property name was specified. If the name contains a wildcard character specify option MQIMPO\_INQ\_FIRST to begin iterating over the properties again.

### **2472 (09A8) (RC2472): MQRC\_PROP\_NUMBER\_FORMAT\_ERROR**

#### **Explanation**

On an MQINQMP call, conversion of the property value was requested. The format of the property is invalid for conversion to the requested data type.



## Completion Code

MQCC\_FAILED

## Programmer Response

Ensure that the correct property name and data type were specified. Ensure that the application setting the property gave it the correct format. See the documentation for the MQINQMP call for details on the formats required for data conversion of property values.

## 2473 (09A9) (RC2473): MQRC\_PROPERTY\_TYPE\_ERROR

### Explanation

On an MQSETMP call, the Type parameter does not specify a valid MQTYPE\_\* value. For properties beginning "Root.MQMD." or "JMS" the specified Type must correspond to the data type of the matching MQMD or JMS header field:

- For MQCHARn or Java String fields use MQTYPE\_STRING.
- For MQLONG or Java int fields use MQTYPE\_INT32.
- For MQBYTEn fields use MQTYPE\_BYTE\_STRING.
- For Java long fields use MQTYPE\_INT64.

On an MQINQMP call, the Type parameter is not valid. Either the parameter pointer is not valid, the value is invalid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

## Completion Code

MQCC\_FAILED

## Programmer Response

Correct the parameter.

## 2478 (09AE) (RC2478): MQRC\_PROPERTIES\_TOO\_BIG

### Explanation

An MQPUT or MQPUT1 call was issued to put a message on a queue, but the properties of the message were too large. The length of the properties cannot exceed the value of the MaxPropertiesLength queue manager attribute.

## Completion Code

MQCC\_FAILED

## Programmer Response

Do one of the following:

- Reduce the number or the size of the properties associated with the message. This could include moving some of the properties into the application data.
- Increase the value of the MaxPropertiesLength queue manager attribute.

## **2479 (09AF) (RC2479): MQRC\_PUT\_NOT\_RETAINED**

### **Explanation**

An MQPUT or MQPUT1 call was issued to publish a message on a topic, using the MQPMO\_RETAIN option, but the publication was unable to be retained. The publication is not published to any matching subscribers.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Retained publications are stored on the SYSTEM.RETAINED.PUB.QUEUE. Ensure that this queue is available for use by the application. Possible reasons for failure include the queue being full, the queue being put inhibited, or the queue not existing.

## **2480 (09B0) (RC2480): MQRC\_ALIAS\_TARGTYPE\_CHANGED**

### **Explanation**

An MQPUT or MQPUT1 call was issued to publish a message on a topic. One of the subscriptions matching this topic was made with a destination queue that was an alias queue which originally referenced a queue, but now references a topic object, which is not allowed. In this situation the reason code MQRC\_ALIAS\_TARGTYPE\_CHANGED is returned in the Feedback field in the MQMD of a report message, or in the Reason field in the MQDLH structure of a message on the dead-letter queue.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Find the subscriber that is using an alias queue which references a topic object and change it to reference a queue again, or change the subscription to reference a different queue.

## **2481 (09B1) (RC2481): MQRC\_DMPO\_ERROR**

### **Explanation**

On an MQDLTMP call, the delete message property options structure MQDMPO is not valid, for one of the following reasons:

- The StrucId field is not MQDMPO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that input fields in the MQDMPO structure are set correctly.

### **2482 (09B2) (RC2482): MQRC\_PD\_ERROR**

#### **Explanation**

On an MQSETMP or MQINQMP call, the property descriptor structure MQPD is not valid, for one of the following reasons:

- The StrucId field is not MQPD\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)
- The Context field contains an unrecognized value.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that input fields in the MQPD structure are set correctly.

### **2483 (09B3) (RC2483): MQRC\_CALLBACK\_TYPE\_ERROR**

#### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER with an incorrect value for CallbackType

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that the CallbackType field of the MQCBDO is specified correctly.

### **2484 (09B4) (RC2484): MQRC\_CBD\_OPTIONS\_ERROR**

#### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER with an incorrect value for the Options field of the MQCBD.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that the Options are specified correctly.

## **2485 (09B5) (RC2485): MQRC\_MAX\_MSG\_LENGTH\_ERROR**

### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER with an incorrect value for the MaxMsgLength field of the MQCBD.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the MaxMsgLength are specified correctly.

## **2486 (09B6) (RC2486): MQRC\_CALLBACK\_ROUTINE\_ERROR**

### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER failed for one of the following reasons:

- Both CallbackName and CallbackFunction are specified. Only one must be specified on the call.
- The call was made from an environment not supporting function pointers. CICS on z/OS
- A programming language that does not support Function pointer references.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the CallbackName value is specified correctly.

## **2487 (09B7) (RC2487): MQRC\_CALLBACK\_LINK\_ERROR**

### **Explanation**

On an MQCTL call, the callback handling module (CSQBMCSM or CSQBMCSX for batch and CSQCMCSM for CICS) could not be loaded, so the adapter could not link to it.

This reason code occurs only on z/OS.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the queue-manager startup JCL. Any uncommitted changes in a unit of work should be backed out. A unit of work that is coordinated by the queue manager is backed out automatically.

## **2488 (09B8) (RC2488): MQRC\_OPERATION\_ERROR**

### **Explanation**

An MQCTL or MQCB call was made with an invalid Operation parameter.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that a valid value for Operation is specified.

## **2489 (09B9) (RC2489): MQRC\_BMHO\_ERROR**

### **Explanation**

An MQPUT or MQPUT1 call was issued to publish a message on a topic. Delivery of the publication to one of the subscribers failed and due to the combination of the syncpoint option used and either

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Find the subscriber or subscribers who are having problems with their subscription queue and resolve the problem, or change the setting of the PMSGDLV or NPMSGDLV attributes on the TOPIC so that problems with one subscriber do not have an effect on other subscribers. Retry the MQPUT.

## **2490 (09BA) (RC2490): MQRC\_UNSUPPORTED\_PROPERTY**

### **Explanation**

A message was found to contain a property that the queue manager does not support. The operation that failed required all the properties to be supported by the queue manager. This can occur on the MQPUT/MQPUT1 call or when a message is about to be sent down a channel to a queue manager than does not support message properties.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Determine which property of the message is not supported by the queue manager and decide whether to remove the property from the message or connect to a queue manager which does support the property.

## **2492 (09BC) (RC2492): MQRC\_PROP\_NAME\_NOT\_CONVERTED**

### **Explanation**

An MQINQMP call was issued with the MQIMPO\_CONVERT\_VALUE option specified in the InqPropOpts parameter, but an error occurred during conversion of the returned name of the property. The returned name is unconverted

### **Completion Code**

MQCC\_WARNING

### **Programmer Response**

Check that the character set of the returned name was correctly described when the property was set. Also check that these values, and the RequestedCCSID and RequestedEncoding specified in the InqPropOpts parameter of the MQINQMP call, are supported for MQ conversion. If the required conversion is not supported, conversion must be carried out by the application.

## **2494 (09BE) (RC2494): MQRC\_GET\_ENABLED**

### **Explanation**

This reason code is return to an Asynchronous consumer at the time a queue that was previous inhibited for get has been re-enabled for get.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

None. This reason code is used to inform the application of the change in state of the queue.

## **2495 (09BF) (RC2495): MQRC\_MODULE\_NOT\_FOUND**

### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER was issue specifying a CallbackName which could not be found.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the CallbackName value is specified correctly.

## **2496 (09C0) (RC2496): MQRC\_MODULE\_INVALID**

### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER was issue specifying a CallbackName which could not be does not appear to be a valid load module.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that the CallbackName value is specified correctly.

## **2497 (09C1) (RC2497): MQRC\_MODULE\_ENTRY\_NOT\_FOUND**

### **Explanation**

An MQCB call was made with an Operation of MQOP\_REGISTER and the CallbackName identifies a function name which can't be found in the specified library.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the CallbackName value is specified correctly.

## **2498 (09C2) (RC2498): MQRC\_MIXED\_CONTENT\_NOT\_ALLOWED**

### **Explanation**

An attempt was made to set a property with mixed content. For example, if an application set the property "x.y" and then attempted to set the property "x.y.z it is unclear whether in the property name hierarchy "y" contains a value or another logical grouping. Such a hierarchy would be "mixed content" and this is not supported. Setting a property which would cause mixed content is not allowed. A hierarchy within a property name is created using the "." character (U+002E).

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Valid property names are described in the WebSphere MQ documentation. Change the property name hierarchy so that it no longer contains mixed content before re-issuing the call.

## **2499 (09C3) (RC2499): MQRC\_MSG\_HANDLE\_IN\_USE**

### **Explanation**

A message property call was called (MQCRTMH, MQDLTMH, MQSETMP, MQINQMP, MQDLTMP or MQMHBUF) specifying a message handle that is already in use on another API call. A message handle may only be used on one call at a time.

Concurrent use of a message handle can arise, for example, when an application uses multiple threads.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the message handle cannot be used while another call is in progress.

## **2500 (09C4) (RC2500): MQRC\_HCONN\_ASYNC\_ACTIVE**

### **Explanation**

An attempt to issue an MQI call has been made while the connection is started.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Stop or suspend the connection using the MQCTL call and retry the operation.

## **2501 (09C5) (RC2501): MQRC\_MHBO\_ERROR**

### **Explanation**

On an MQMHBUF call, the message handle to buffer options structure MQMHBO is not valid, for one of the following reasons:

- The StrucId field is not MQMHBO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQMHBO structure are set correctly.



## **2502 (09C6) (RC2502): MQRC\_PUBLICATION\_FAILURE**

### **Explanation**

### **Programmer response**

## **2503 (09C7) (RC2503): MQRC\_SUB\_INHIBITED**

### **Explanation**

MQSUB calls are currently inhibited for the topic subscribed to.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

If the system design allows subscription requests to be inhibited for short periods, retry the operation later.

## **2504 (09C8) (RC2504): MQRC\_SELECTOR\_ALWAYS\_FALSE**

### **Explanation**

An MQOPEN, MQPUT1 or MQSUB call was issued but a selection string was specified which will never select a message

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Verify that the logic of the selection string which was passed in on the API is as expected. Make any necessary corrections to the logic of the string and resubmit the MQ API call for which the message occurred.

## **2507 (09CB) (RC2507): MQRC\_XEPO\_ERROR**

### **Explanation**

On an MQXEP call, the exit options structure MQXEPO is not valid, for one of the following reasons:

- The StrucId field is not MQXEPO\_STRUC\_ID.
- The Version field specifies a value that is not valid or not supported.
- The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Ensure that input fields in the MQXEPO structure are set correctly.

## **2509 (09CD) (RC2509): MQRC\_DURABILITY\_NOT\_ALTERABLE**

### **Explanation**

An MQSUB call using option MQSO\_ALTER was made changing the durability of the subscription. The durability of a subscription cannot be changed.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly, or change the durability option used on the MQSUB call so that it matches the existing subscription.

## **2510 (09CE) (RC2510): MQRC\_TOPIC\_NOT\_ALTERABLE**

### **Explanation**

An MQSUB call using option MQSO\_ALTER was made changing the one or more of the fields in the MQSD that provide the topic being subscribed to. These fields are the ObjectName, ObjectString, or wildcard options. The topic subscribed to cannot be changed.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly, or change the attributes and options used on the MQSUB call so that it matches the existing subscription.

## **2512 (09D0) (RC2512): MQRC\_SUBLEVEL\_NOT\_ALTERABLE**

### **Explanation**

An MQSUB call using option MQSO\_ALTER was made changing the SubLevel of the subscription. The SubLevel of a subscription cannot be changed.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly, or change the SubLevel field used on the MQSUB call so that it matches the existing subscription.

## **2513 (09D1) (RC2513): MQRC\_PROPERTY\_NAME\_LENGTH\_ERR**

### **Explanation**

An attempt was made to set, inquire or delete a property with an invalid name. This is for one of the following reasons:

- The VSLength field of the property name was set to less than or equal to zero.
- The VSLength field of the property name was set to greater than the maximum allowed value (see constant MQ\_MAX\_PROPERTY\_NAME\_LENGTH).
- The VSLength field of the property name was set to MQVS\_NULL\_TERMINATED and the property name was greater than the maximum allowed value.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Valid property names are described in the WebSphere MQ documentation. Ensure that the property has a valid name length before issuing the call again.

## **2514 (09D2) (RC2514): MQRC\_DUPLICATE\_GROUP\_SUB**

### **Explanation**

An MQSUB call using option MQSO\_GROUP\_SUB was made creating a new grouped subscription but, although it has a unique SubName, it matches the Full topic name of an existing subscription in the group.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Correct the Full topic name used so that it does not match any existing subscription in the group, or correct the grouping attributes if, either a different group was intended or the subscription was not intended to be grouped at all.

## **2515 (09D3) (RC2515): MQRC\_GROUPING\_NOT\_ALTERABLE**

### **Explanation**

An MQSUB call was made using option MQSO\_ALTER on a grouped subscription, that is one made with the option MQSO\_GROUP\_SUB. Grouping of subscriptions is not alterable.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly, or change the various grouping fields used on the

MQSUB call so that it matches the existing subscription.

### **2516 (09D4) (RC2516): MQRC\_SELECTOR\_INVALID\_FOR\_TYPE**

#### **Explanation**

A SelectionString may only be specified in the MQOD for an MQOPEN/MQPUT1 if the following is true:

- ObjectType is MQOT\_Q
- The queue is being opened using one of the MQOO\_INPUT\_\* open options.

#### **Completion Code**

MQCC\_FAILED

#### **Programmer Response**

Modify the value of ObjectType to be MQOT\_Q and ensure that the queue is being opened using one of the MQOO\_INPUT\_\* options.

### **2517 (09D5) (RC2517): MQRC\_HOBJ QUIESCED**

#### **Explanation**

The HOBJ has been quiesced but there are no messages in the read ahead buffer which match the current selection criteria. This reason code indicates that the read ahead buffer is not empty.

#### **Completion Code**

MQCC\_FAILED

#### **Programmer Response**

This reason code indicates that all messages with the current selection criteria have been processed. Do one of the following:

- If no further messages need to be processed issue an MQCLOSE without the MQCO\_QUIESCE option. Any messages in the read ahead buffer will be discarded.
- Relax the current selection criteria by modifying the values in the MQGMO and reissue the call. Once all messages have been consumed the call will return MQRC\_HOBJ\_QUIESCED\_NO\_MSGS.

### **2518 (09D6) (RC2518): MQRC\_HOBJ\_QUIESCED\_NO\_MSGS**

#### **Explanation**

The HOBJ has been quiesced and the read ahead buffer is now empty. No further messages will be delivered to this HOBJ

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Issue MQCLOSE against the HOBJ.

### **2519 (09D7) (RC2519): MQRC\_SELECTION\_STRING\_ERROR**

#### **Explanation**

The SelectionString must be specified as per the description of how to use an MQCHARV structure. Examples of why this error was returned:

- VSPtr and VSOffset were both specified.
- Neither VSPtr or VSOffset were specified.
- The supplied VSLength was invalid.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Modify the fields of the MQCHARV so that it follows the rules for a valid MQCHARV structure.

### **2520 (09D8) (RC2520): MQRC\_RES\_OBJECT\_STRING\_ERROR**

#### **Explanation**

On the MQOPEN or MQPUT1 call in the Object Descriptor MQOD, or on the MQSUB call in the Subscription Descriptor MQSD the ResObjectString field is not valid.

One of the following applies:

- ResObjectString.VSLength is greater than zero, but ResObjectString.VSOffset is zero and ResObjectString.VSPtr is the null pointer.
- ResObjectString.VSOffset is nonzero and ResObjectString.VSPtr is not the null pointer (that is, it appears both fields are being used where only one is allowed).
- ResObjectString.VSPtr is not a valid pointer.
- ResObjectString.VSOffset or ResObjectString.VSPtr points to storage that is not accessible.
- ResObjectString.VSBufSize is MQVS\_USE\_VSLENGTH and one of ResObjectString.VSOffset or ResObjectString.VSPtr have been provided.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that one of ResObjectString.VSOffset or ResObjectString.VSPtr is zero and the other nonzero and that the buffer length is provided in ResObjectString.VSBufSize. Ensure that the field used points to accessible storage.

## **2521 (09D9) (RC2521): MQRC\_CONNECTION\_SUSPENDED**

### **Explanation**

An MQCTL call with Operation MQOP\_START\_WAIT has returned because the asynchronous consumption of messages has been suspended. This can be for the following reasons:

- The connection was explicitly suspended using MQCTL with Operation MQOP\_SUSPEND
- All consumers have been either unregistered or suspended.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

If this is an expected condition, no corrective action required. If this is an unexpected condition check that:

- At least one consumer is registered and not suspended
- The connection has not been suspended

## **2522 (09DA) (RC2522): MQRC\_INVALID\_DESTINATION**

### **Explanation**

An MQSUB call failed because of a problem with the destination where publications messages are to be sent, so an object handle cannot be returned to the application and the subscription is not made. This can be for one of the following reasons:

- The MQSUB call used MQSO\_CREATE, MQSO\_MANAGED and MQSO\_NON\_DURABLE and the model queue referred to by MNDURMDL on the administrative topic node does not exist
- The MQSUB call used MQSO\_CREATE, MQSO\_MANAGED and MQSO\_DURABLE and the model queue referred to by MDURMDL on the administrative topic node does not exist, or has been defined with a DEFTYPE of TEMPDYN.
- The MQSUB call used MQSO\_CREATE or MQSO\_ALTER on a durable subscription and the object handle provided referred to a temporary dynamic queue. This is not an appropriate destination for a durable subscription.
- The MQSUB call used MQSO\_RESUME and a Hobj of MQHO\_NONE, to resume an administratively created subscription, but the queue name provided in the DEST parameter of the subscription does not exist.
- The MQSUB call used MQSO\_RESUME and a Hobj of MQHO\_NONE, to resume a previously created API subscription, but the queue previously used no longer exists.

### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure that the model queues referred to by MNDURMDL and MDURMDL exist and have an appropriate DEFTYPE. Create the queue referred to by the DEST parameter in an administrative subscription if one is being used. Alter the subscription to use an existing queue if the previously used one does not exist.

### **2523 (09DB) (RC2523): MQRC\_INVALID\_SUBSCRIPTION**

#### **Explanation**

An MQSUB call using MQSO\_RESUME or MQSO\_ALTER failed because the subscription named is not valid for use by applications. This can be for one of the following reasons:

- The subscription is the SYSTEM.DEFAULT.SUB subscription which is not a valid subscription and should only be used to fill in the default values on DEFINE SUB commands.
- The subscription is a proxy type subscription which is not a valid subscription for an application to resume and is only used to enable publications to be forwarded between queue managers.
- The subscription has expired and is no longer valid for use.

#### **Completion Code**

MQCC\_FAILED

## Programmer Response

Ensure the subscription named in SubName field is not one of the invalid ones listed above. If you have a handle open to the subscription already it must have expired. Use MQCLOSE to close the handle and then if necessary create a new subscription.

### **2524 (09DC) (RC2524): MQRC\_SELECTOR\_NOT\_ALTERABLE**

#### **Explanation**

An MQSUB call was issued with the MQSO\_ALTER option and the MQSD contained a SelectionString. It is not valid to alter the SelectionString of a subscription.

#### **Completion Code**

MQCC\_FAILED

## Programmer response

Ensure that the SelectionString field of the MQSD does not contain a valid VSPtr and that the VSLength is set to zero when making a call to MQSUB.

### **2525 (09DD) (RC2525): MQRC\_RETAINED\_MSG\_Q\_ERROR**

#### **Explanation**

An MQSUB call which did not use the MQSO\_NEW\_PUBLICATIONS\_ONLY option, or an MQSUBRQ call, failed because the retained publications which exist

for the topic string subscribed to cannot be retrieved from the SYSTEM.RETAINED.PUB.QUEUE. This can be for one of the following reasons:

- The queue has become damaged or has been deleted.
- The queue has been set to GET(DISABLED).
- Messages have been removed from this queue directly.

An error message will be written to the log giving more details about the problem with the SYSTEM.RETAINED.PUB.QUEUE.

When this return code occurs on an MQSUB call, it can only occur using the MQSO\_CREATE option, and in this case the subscription is not created.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

If this occurs on an MQSUB call, re-issue the MQSUB call using the option MQSO\_NEW\_PUBLICATIONS\_ONLY, which will mean no previously retained publications are sent to this subscription, or fix the SYSTEM.RETAINED.PUB.QUEUE so that messages can be retrieved from it and re-issue the MQSUB call.

If this occurs on an MQSUBRQ call, fix the SYSTEM.RETAINED.PUB.QUEUE so that messages can be retrieved from it and re-issue the MQSUBRQ call.

## **2526 (09DE) (RC2526): MQRC\_RETAINED\_NOT\_DELIVERED**

### **Explanation**

An MQSUB call which did not use the MQSO\_NEW\_PUBLICATIONS\_ONLY option or an MQSUBRQ call, failed because the retained publications which exist for the topic string subscribed to cannot be delivered to the subscription destination queue and have subsequently failed to be delivered to the dead-letter queue.

When this return code occurs on an MQSUB call, it can only occur using the MQSO\_CREATE option, and in this case the subscription is not created.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Fix the problems with the destination queue and the dead-letter queue and re-issue the MQSUB or MQSUBRQ call.

## **2527 (09DF) (RC2527): MQRC\_RFH\_RESTRICTED\_FORMAT\_ERR**

### **Explanation**

A message was put to a queue containing an MQRFH2 header which included a folder with a restricted format. However, the folder was not in the required format. These restrictions are:



- If NameValueCCSID of the folder is 1208 then only single byte UTF-8 characters are allowed in the folder, group or element names.
- Groups are not allowed in the folder.
- The values of properties may not contain any characters that require escaping.
- Only Unicode character U+0020 will be treated as white space within the folder.
- The folder tag should not contain the content attribute.
- The folder should not contain a property with a null value.

The <mq> folder requires formatting of this restricted form.

### Completion Code

MQCC\_FAILED

### Programmer Response

Change the message to include valid MQRFH2 folders.

## 2528 (09E0) (RC2528): MQRC\_CONNECTION\_STOPPED

### Explanation

An MQCTL call was issued to start the asynchronous consumption of messages, but before the connection was ready to consume messages it was stopped by one of the message consumers.

### Completion Code

MQCC\_FAILED

### Programmer Response

If this is an expected condition, no corrective action required. If this is an unexpected condition check whether an MQCTL with Operation MQOP\_STOP was issued during the MQCBCT\_START callback function.

## 2529 (09E1) (RC2529): MQRC\_ASYNC\_UOW\_CONFLICT

### Explanation

An MQCTL call with Operation MQOP\_START was issued to start the asynchronous consumption of messages, but the connection handle used already has a global unit of work outstanding. MQCTL cannot be used to start asynchronous consumption of messages while a unit of work is in existence unless the MQOP\_START\_WAIT Operation is used

### Completion Code

MQCC\_FAILED

### Programmer Response

Issue an MQCMIT on the connection handle to commit the unit of work and then reissue the MQCTL call, or issue an MQCTL call using Operation MQOP\_START\_WAIT in order to use the unit of work from within the asynchronous consume callback functions.

## **2530 (09E2) (RC2530): MQRC\_ASYNC\_XA\_CONFLICT**

### **Explanation**

An MQCTL call with Operation MQOP\_START was issued to start the asynchronous consumption of messages, but an external XA syncpoint coordinator has already issued an xa\_open call for this connection handle. XA transactions must be done using the MQOP\_START\_WAIT Operation.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Reissue the MQCTL call using Operation MQOP\_START\_WAIT.

## **2531 (09E3) (RC2531): MQRC\_PUBSUB\_INHIBITED**

### **Explanation**

MQSUB, MQOPEN, MQPUT and MQPUT1 calls are currently inhibited for all topics.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Publish/Subscribe is currently inhibited, either by means of the queue manager attribute PSMODE or because processing of publish/subscribe state at queue manager start-up has failed, or has not yet completed. If this queue manager does not intentionally inhibit publish/subscribe, investigate any error messages that describe the failure at queue manager start-up, or wait until start-up processing completes. You can use the DISPLAY PUBSUB command to check the status of the publish/subscribe engine to ensure it is ready for use, and additionally on z/OS you will receive an information message CSQM076I.

## **2532 (09E4): MQRC\_MSG\_HANDLE\_COPY\_FAILURE**

### **Explanation**

Storage not allocated for message properties.

The message was received from the queue but storage could not be allocated for the message properties.

### **Programmer response**

None.

## **2533 (09E5) (RC2533): MQRC\_DEST\_CLASS\_NOT\_ALTERABLE**

### **Explanation**

An MQSUB call using option MQSO\_ALTER was made changing the use of the MQSO\_MANAGED option on the subscription. The destination class of a subscription cannot be changed. When the MQSO\_MANAGED option is not used, the queue provided can be changed, but the class of destination (managed or not) cannot be changed.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Remove the subscription using MQCLOSE and recreate it again with MQSUB with the attributes set correctly, or change the use of the MQSO\_MANAGED option used on the MQSUB call so that it matches the existing subscription.

## **2534 (09E6) (RC2534): MQRC\_OPERATION\_NOT\_ALLOWED**

### **Explanation**

An MQCTL call was made with an Operation that is not allowed because of the state of asynchronous consumption on the hConn is currently in.

If Operation was MQOP\_RESUME, the operation is not allowed because the state of asynchronous consumption on the hConn is STOPPED. Re-issue MQCTL with the MQOP\_START Operation.

If Operation was MQOP\_SUSPEND, the operation is not allowed because the state of asynchronous consumption on the hConn is STOPPED. If you need to get your hConn into a SUSPENDED state, issue MQCTL with the MQOP\_START Operation followed by MQCTL with MQOP\_SUSPEND.

If Operation was MQOP\_START, the operation is not allowed because the state of asynchronous consumption on the hConn is SUSPENDED. Re-issue MQCTL with the MQOP\_RESUME Operation.

If Operation was MQOP\_START\_WAIT, the operation is not allowed because either:

- The state of asynchronous consumption on the hConn is SUSPENDED. Re-issue MQCTL with the MQOP\_RESUME Operation.
- The state of asynchronous consumption on the hConn is already STARTED. Do not mix the use of MQOP\_START and MQOP\_START\_WAIT within one application.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Re-issue the MQCTL call with the correct Operation.

## **2535 (09E7): MQRC\_ACTION\_ERROR**

### **Explanation**

Action specified is not valid.

The *Action* specified is not valid.

### **Programmer response**

Specify a valid action.

## **2537 (09E9) (RC2537): MQRC\_CHANNEL\_NOT\_AVAILABLE**

### **Explanation**

An MQCONN call was issued from a client to connect to a queue manager but the channel is not currently available. Common causes of this reason code are:

- The channel is currently in stopped state.
- The channel has been stopped by a channel exit.
- The queue manager has reached its maximum allowable limit for this channel from this client.
- The queue manager has reached its maximum allowable limit for this channel.
- The queue manager has reached its maximum allowable limit for all channels.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Examine the queue manager and client error logs for messages explaining the cause of the problem.

## **2538 (09EA) (RC2538): MQRC\_HOST\_NOT\_AVAILABLE**

### **Explanation**

An MQCONN call was issued from a client to connect to a queue manager but the attempt to allocate a conversation to the remote system failed. Common causes of this reason code are:

- The listener has not been started on the remote system.
- The connection name in the client channel definition is incorrect.
- The network is currently unavailable.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Examine the client error log for messages explaining the cause of the problem.

## **2539 (09EB) (RC2539): MQRC\_CHANNEL\_CONFIG\_ERROR**

### **Explanation**

An MQCONN call was issued from a client to connect to a queue manager but the attempt to establish communication failed. Common causes of this reason code are:

- The server and client cannot agree on the channel attributes to use.
- There are errors in one or both of the QM.INI or MQCLIENT.INI configuration files.
- The server machine does not support the code page used by the client.

### **Completion Code**

MQCC\_FAILED

### **Programmer Response**

Examine the queue manager and client error logs for messages explaining the cause of the problem.

## **2540 (09EC) (RC2540): MQRC\_UNKNOWN\_CHANNEL\_NAME**

### **Explanation**

An MQCONN call was issued from a client to connect to a queue manager but the attempt to establish communication failed because the queue manager did not recognise the channel name.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Ensure that the client is configured to use the correct channel name.

## **2541 (09ED) (RC2541): MQRC\_LOOPING\_PUBLICATION**

### **Explanation**

### **Programmer response**

## **6100 (17D4) (RC6100): MQRC\_REOPEN\_EXCL\_INPUT\_ERROR**

### **Explanation**

An open object does not have the correct `ImqObject` **open options** and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is open for exclusive input and closure might result in the queue being accessed by another process or thread, before the queue is reopened by the process or thread that presently has access.

This reason code occurs in the WebSphere MQ C++ environment.

## Completion Code

MQCC\_FAILED

## Programmer response

Set the **open options** explicitly to cover all eventualities so that implicit reopening is not required.

## 6101 (17D5) (RC6101): MQRC\_REOPEN\_INQUIRE\_ERROR

### Explanation

An open object does not have the correct `ImqObject` **open options** and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because one or more characteristics of the object need to be checked dynamically prior to closure, and the **open options** do not already include `MQOO_INQUIRE`.

This reason code occurs in the WebSphere MQ C++ environment.

## Completion Code

MQCC\_FAILED

## Programmer response

Set the **open options** explicitly to include `MQOO_INQUIRE`.

## 6102 (17D6) (RC6102): MQRC\_REOPEN\_SAVED\_CONTEXT\_ERR

### Explanation

An open object does not have the correct `ImqObject` **open options** and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is open with `MQOO_SAVE_ALL_CONTEXT`, and a destructive get has been performed previously. This has caused retained state information to be associated with the open queue and this information would be destroyed by closure.

This reason code occurs in the WebSphere MQ C++ environment.

## Completion Code

MQCC\_FAILED

## Programmer response

Set the **open options** explicitly to cover all eventualities so that implicit reopening is not required.

## **6103 (17D7) (RC6103): MQRC\_REOPEN\_TEMPORARY\_Q\_ERROR**

### **Explanation**

An open object does not have the correct `ImqObject` **open options** and requires one or more additional options. An implicit reopen is required but closure has been prevented.

Closure has been prevented because the queue is a local queue of the definition type `MQQDT_TEMPORARY_DYNAMIC`, that would be destroyed by closure.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

`MQCC_FAILED`

### **Programmer response**

Set the **open options** explicitly to cover all eventualities so that implicit reopening is not required.

## **6104 (17D8) (RC6104): MQRC\_ATTRIBUTE\_LOCKED**

### **Explanation**

An attempt has been made to change the value of an attribute of an object while that object is open, or, for an `ImqQueueManager` object, while that object is connected. Certain attributes cannot be changed in these circumstances. Close or disconnect the object (as appropriate) before changing the attribute value.

An object may have been connected and/or opened unexpectedly and implicitly in order to perform an `MQINQ` call. Check the attribute cross-reference table in the *WebSphere MQ Using C++* book to determine whether any of your method invocations result in an `MQINQ` call.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

`MQCC_FAILED`

### **Programmer response**

Include `MQOO_INQUIRE` in the `ImqObject` **open options** and set them earlier.

## **6105 (17D9) (RC6105): MQRC\_CURSOR\_NOT\_VALID**

### **Explanation**

The browse cursor for an open queue has been invalidated since it was last used by an implicit reopen.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Set the ImqObject **open options** explicitly to cover all eventualities so that implicit reopening is not required.

### **6106 (17DA) (RC6106): MQRC\_ENCODING\_ERROR**

#### **Explanation**

The encoding of the (next) message item needs to be MQENC\_NATIVE for pasting.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

MQCC\_FAILED

### **6107 (17DB) (RC6107): MQRC\_STRUC\_ID\_ERROR**

#### **Explanation**

The structure id for the (next) message item, which is derived from the 4 characters beginning at the data pointer, is either missing or is inconsistent with the class of object into which the item is being pasted.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

MQCC\_FAILED

### **6108 (17DC) (RC6108): MQRC\_NULL\_POINTER**

#### **Explanation**

A null pointer has been supplied where a nonnull pointer is either required or implied.

This reason code occurs in the WebSphere MQ C++ environment.

### **Completion Code**

MQCC\_FAILED

### **6109 (17DD) (RC6109): MQRC\_NO\_CONNECTION\_REFERENCE**

#### **Explanation**

The **connection reference** is null. A connection to an ImqQueueManager object is required.

This reason code occurs in the WebSphere MQ C++ environment.



## Completion Code

MQCC\_FAILED

### 6110 (17DE) (RC6110): MQRC\_NO\_BUFFER

#### Explanation

No buffer is available. For an ImqCache object, one cannot be allocated, denoting an internal inconsistency in the object state that should not occur.

This reason code occurs in the WebSphere MQ C++ environment.

## Completion Code

MQCC\_FAILED

### 6111 (17DF) (RC6111): MQRC\_BINARY\_DATA\_LENGTH\_ERROR

#### Explanation

The length of the binary data is inconsistent with the length of the target attribute. Zero is a correct length for all attributes.

- The correct length for an **accounting token** is MQ\_ACCOUNTING\_TOKEN\_LENGTH.
- The correct length for an **alternate security id** is MQ\_SECURITY\_ID\_LENGTH.
- The correct length for a **correlation id** is MQ\_CORREL\_ID\_LENGTH.
- The correct length for a **facility token** is MQ\_FACILITY\_LENGTH.
- The correct length for a **group id** is MQ\_GROUP\_ID\_LENGTH.
- The correct length for a **message id** is MQ\_MSG\_ID\_LENGTH.
- The correct length for an **instance id** is MQ\_OBJECT\_INSTANCE\_ID\_LENGTH.
- The correct length for a **transaction instance id** is MQ\_TRAN\_INSTANCE\_ID\_LENGTH.
- The correct length for a **message token** is MQ\_MSG\_TOKEN\_LENGTH.

This reason code occurs in the WebSphere MQ C++ environment.

## Completion Code

MQCC\_FAILED

### 6112 (17E0) (RC6112): MQRC\_BUFFER\_NOT\_AUTOMATIC

#### Explanation

A user-defined (and managed) buffer cannot be resized. A user-defined buffer can only be replaced or withdrawn. A buffer must be automatic (system-managed) before it can be resized.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**Programmer response****6113 (17E1) (RC6113): MQRC\_INSUFFICIENT\_BUFFER****Explanation**

There is insufficient buffer space available after the data pointer to accommodate the request. This might be because the buffer cannot be resized.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6114 (17E2) (RC6114): MQRC\_INSUFFICIENT\_DATA****Explanation**

There is insufficient data after the data pointer to accommodate the request.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6115 (17E3) (RC6115): MQRC\_DATA\_TRUNCATED****Explanation**

Data has been truncated when copying from one buffer to another. This might be because the target buffer cannot be resized, or because there is a problem addressing one or other buffer, or because a buffer is being downsized with a smaller replacement.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6116 (17E4) (RC6116): MQRC\_ZERO\_LENGTH****Explanation**

A zero length has been supplied where a positive length is either required or implied.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6117 (17E5) (RC6117): MQRC\_NEGATIVE\_LENGTH****Explanation**

A negative length has been supplied where a zero or positive length is required.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6118 (17E6) (RC6118): MQRC\_NEGATIVE\_OFFSET****Explanation**

A negative offset has been supplied where a zero or positive offset is required.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6119 (17E7) (RC6119): MQRC\_INCONSISTENT\_FORMAT****Explanation**

The format of the (next) message item is inconsistent with the class of object into which the item is being pasted.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

**6120 (17E8) (RC6120): MQRC\_INCONSISTENT\_OBJECT\_STATE****Explanation**

There is an inconsistency between this object, which is open, and the referenced ImqQueueManager object, which is not connected.

This reason code occurs in the WebSphere MQ C++ environment.

**Completion Code**

MQCC\_FAILED

## 6121 (17E9) (RC6121): MQRC\_CONTEXT\_OBJECT\_NOT\_VALID

### Explanation

The `ImqPutMessageOptions` **context reference** does not reference a valid `ImqQueue` object. The object has been previously destroyed.

This reason code occurs in the WebSphere MQ C++ environment.

### Completion Code

MQCC\_FAILED

## 6122 (17EA) (RC6122): MQRC\_CONTEXT\_OPEN\_ERROR

### Explanation

The `ImqPutMessageOptions` **context reference** references an `ImqQueue` object that could not be opened to establish a context. This may be because the `ImqQueue` object has inappropriate **open options**. Inspect the referenced object **reason code** to establish the cause.

This reason code occurs in the WebSphere MQ C++ environment.

### Completion Code

MQCC\_FAILED

## 6123 (17EB) (RC6123): MQRC\_STRUC\_LENGTH\_ERROR

### Explanation

The length of a data structure is inconsistent with its content. For an `MQRMH`, the length is insufficient to contain the fixed fields and all offset data.

This reason code occurs in the WebSphere MQ C++ environment.

### Completion Code

MQCC\_FAILED

## 6124 (17EC) (RC6124): MQRC\_NOT\_CONNECTED

### Explanation

A method failed because a required connection to a queue manager was not available, and a connection cannot be established implicitly because the `IMQ_IMPL_CONN` flag of the `ImqQueueManager` **behavior** class attribute is `FALSE`.

This reason code occurs in the WebSphere MQ C++ environment.

### Completion Code

MQCC\_FAILED

### Programmer response

Establish a connection to a queue manager and retry.

### 6125 (17ED) (RC6125): MQRC\_NOT\_OPEN

#### Explanation

A method failed because an object was not open, and opening cannot be accomplished implicitly because the IMQ\_IMPL\_OPEN flag of the ImqObject **behavior** class attribute is FALSE.

This reason code occurs in the WebSphere MQ C++ environment.

#### Completion Code

MQCC\_FAILED

### Programmer response

Open the object and retry.

### 6126 (17EE) (RC6126): MQRC\_DISTRIBUTION\_LIST\_EMPTY

#### Explanation

An ImqDistributionList failed to open because there are no ImqQueue objects referenced.

This reason code occurs in the WebSphere MQ C++ environment.

#### Completion Code

MQCC\_FAILED

### Programmer response

Establish at least one ImqQueue object in which the **distribution list reference** addresses the ImqDistributionList object, and retry.

### 6127 (17EF) (RC6127): MQRC\_INCONSISTENT\_OPEN\_OPTIONS

#### Explanation

A method failed because the object is open, and the ImqObject **open options** are inconsistent with the required operation. The object cannot be reopened implicitly because the IMQ\_IMPL\_OPEN flag of the ImqObject **behavior** class attribute is false.

This reason code occurs in the WebSphere MQ C++ environment.

#### Completion Code

MQCC\_FAILED

### **Programmer response**

Open the object with appropriate ImqObject **open options** and retry.

### **6128 (17FO) (RC6128): MQRC\_WRONG\_VERSION**

#### **Explanation**

A method failed because a version number specified or encountered is either incorrect or not supported.

For the ImqCICSBridgeHeader class, the problem is with the **version** attribute.

This reason code occurs in the WebSphere MQ C++ environment.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

If you are specifying a version number, use one that is supported by the class. If you are receiving message data from another program, ensure that both programs are using consistent and supported version numbers.

### **6129 (17F1) (RC6129): MQRC\_REFERENCE\_ERROR**

#### **Explanation**

An object reference is invalid.

There is a problem with the address of a referenced object. At the time of use, the address of the object is nonnull, but is invalid and cannot be used for its intended purpose.

This reason code occurs in the WebSphere MQ C++ environment.

#### **Completion Code**

MQCC\_FAILED

### **Programmer response**

Check that the referenced object is neither deleted nor out of scope, or remove the reference by supplying a null address value.

## **Reason code cross reference**

The following is a list of reason codes, in alphabetic order, cross referenced to the full description in numeric order.

**2535 (09E7) (RC2535)**

MQRC\_ACTION\_ERROR

**2129 (0851) (RC2129)**

MQRC\_ADAPTER\_CONN\_LOAD\_ERROR

**2133 (0855) (RC2133)**

MQRC\_ADAPTER\_CONV\_LOAD\_ERROR

**2131 (0853) (RC2131)**  
 MQRC\_ADAPTER\_DEFS\_ERROR  
**2132 (0854) (RC2132)**  
 MQRC\_ADAPTER\_DEFS\_LOAD\_ERROR  
**2138 (085A) (RC2138)**  
 MQRC\_ADAPTER\_DISC\_LOAD\_ERROR  
**2204 (089C) (RC2204)**  
 MQRC\_ADAPTER\_NOT\_AVAILABLE  
**2130 (0852) (RC2130)**  
 MQRC\_ADAPTER\_SERV\_LOAD\_ERROR  
**2127 (084F) (RC2127)**  
 MQRC\_ADAPTER\_STORAGE\_SHORTAGE  
**2385 (0951) (RC2385)**  
 MQRC\_AIR\_ERROR  
**2001 (07D1) (RC2001)**  
 MQRC\_ALIAS\_BASE\_Q\_TYPE\_ERROR  
**2480 (09B0) (RC2480)**  
 MQRC\_ALIAS\_TARGTYPE\_CHANGED  
**2002 (07D2) (RC2002)**  
 MQRC\_ALREADY\_CONNECTED  
**2435 (0983) (RC2435)**  
 MQRC\_ALTER\_SUB\_ERROR  
**2103 (0837) (RC2103)**  
 MQRC\_ANOTHER\_Q\_MGR\_CONNECTED  
**2374 (0946) (RC2374)**  
 MQRC\_API\_EXIT\_ERROR  
**2375 (0947) (RC2375)**  
 MQRC\_API\_EXIT\_INIT\_ERROR  
**2183 (0887) (RC2183)**  
 MQRC\_API\_EXIT\_LOAD\_ERROR  
**2376 (0948) (RC2376)**  
 MQRC\_API\_EXIT\_TERM\_ERROR  
**900 (0384) (RC900)**  
 MQRC\_APPL\_FIRST  
**999 (03E7) (RC999)**  
 MQRC\_APPL\_LAST  
**2157 (086D) (RC2157)**  
 MQRC\_ASID\_MISMATCH  
**2529 (09E1) (RC2529)**  
 MQRC\_ASYNC\_UOW\_CONFLICT  
**2530 (09E2) (RC2530)**  
 MQRC\_ASYNC\_XA\_CONFLICT  
**6104 (17D8) (RC6104)**  
 MQRC\_ATTRIBUTE\_LOCKED  
**2387 (0953) (RC2387)**  
 MQRC\_AUTH\_INFO\_CONN\_NAME\_ERROR  
**2383 (094F) (RC2383)**  
 MQRC\_AUTH\_INFO\_REC\_COUNT\_ERROR  
**2384 (0950) (RC2384)**  
 MQRC\_AUTH\_INFO\_REC\_ERROR  
**2386 (0952) (RC2386)**  
 MQRC\_AUTH\_INFO\_TYPE\_ERROR  
**2003 (07D3) (RC2003)**  
 MQRC\_BACKED\_OUT  
**2362 (093A) (RC2362)**  
 MQRC\_BACKOUT\_THRESHOLD\_REACHED

**2303 (08FF) (RC2303)**  
 MQRC\_BAG\_CONVERSION\_ERROR  
**2326 (0916) (RC2326)**  
 MQRC\_BAG\_WRONG\_TYPE  
**6111 (17DF) (RC6111)**  
 MQRC\_BINARY\_DATA\_LENGTH\_ERROR  
**2489 (09B9) (RC2489)**  
 MQRC\_BMHO\_ERROR  
**2134 (0856) (RC2134)**  
 MQRC\_BO\_ERROR  
**2125 (084D) (RC2125)**  
 MQRC\_BRIDGE\_STARTED  
**2126 (084E) (RC2126)**  
 MQRC\_BRIDGE\_STOPPED  
**2004 (07D4) (RC2004)**  
 MQRC\_BUFFER\_ERROR  
**2005 (07D5) (RC2005)**  
 MQRC\_BUFFER\_LENGTH\_ERROR  
**6112 (17E0) (RC6112)**  
 MQRC\_BUFFER\_NOT\_AUTOMATIC  
**2219 (08AB) (RC2219)**  
 MQRC\_CALL\_IN\_PROGRESS  
**2452 (0994) (RC2452)**  
 MQRC\_CALLBACK\_ERROR  
**2487 (09B7) (RC2487)**  
 MQRC\_CALLBACK\_LINK\_ERROR  
**2448 (0990) (RC2448)**  
 MQRC\_CALLBACK\_NOT\_REGISTERED  
**2486 (09B6) (RC2486)**  
 MQRC\_CALLBACK\_ROUTINE\_ERROR  
**2453 (0995) (RC2453)**  
 MQRC\_CALLBACK\_STILL\_ACTIVE  
**2483 (09B3) (RC2483)**  
 MQRC\_CALLBACK\_TYPE\_ERROR  
**2444 (098C) (RC2444)**  
 MQRC\_CBD\_ERROR  
**2484 (09B4) (RC2484)**  
 MQRC\_CBD\_OPTIONS\_ERROR  
**2277 (08E5) (RC2277)**  
 MQRC\_CD\_ERROR  
**2345 (0929) (RC2345)**  
 MQRC\_CF\_NOT\_AVAILABLE  
**2348 (092C) (RC2348)**  
 MQRC\_CF\_STRUC\_AUTH\_FAILED  
**2349 (092D) (RC2349)**  
 MQRC\_CF\_STRUC\_ERROR  
**2373 (0945) (RC2373)**  
 MQRC\_CF\_STRUC\_FAILED  
**2346 (092A) (RC2346)**  
 MQRC\_CF\_STRUC\_IN\_USE  
**2347 (092B) (RC2347)**  
 MQRC\_CF\_STRUC\_LIST\_HDR\_IN\_USE  
**2422 (0976) (RC2422)**  
 MQRC\_CFBF\_ERROR  
**2395 (095B) (RC2395)**  
 MQRC\_CFBS\_ERROR



2416 (0970) (RC2416)  
     MQRC\_CFGR\_ERROR  
 2235 (08BB) (RC2235)  
     MQRC\_CFH\_ERROR  
 2414 (096E) (RC2414)  
     MQRC\_CFIF\_ERROR  
 2236 (08BC) (RC2236)  
     MQRC\_CFIL\_ERROR  
 2237 (08BD) (RC2237)  
     MQRC\_CFIN\_ERROR  
 2415 (096F) (RC2415)  
     MQRC\_CFSF\_ERROR  
 2238 (08BE) (RC2238)  
     MQRC\_CFSL\_ERROR  
 2239 (08BF) (RC2239)  
     MQRC\_CFST\_ERROR  
 2295 (08F7) (RC2295)  
     MQRC\_CHANNEL\_ACTIVATED  
 2234 (08BA) (RC2234)  
     MQRC\_CHANNEL\_AUTO\_DEF\_ERROR  
 2233 (08B9) (RC2233)  
     MQRC\_CHANNEL\_AUTO\_DEF\_OK  
 2539 (09EB) (RC2539)  
     MQRC\_CHANNEL\_CONFIG\_ERROR  
 2284 (08EC) (RC2284)  
     MQRC\_CHANNEL\_CONV\_ERROR  
 2296 (08F8) (RC2296)  
     MQRC\_CHANNEL\_NOT\_ACTIVATED  
 2537 (09E9) (RC2537)  
     MQRC\_CHANNEL\_NOT\_AVAILABLE  
 2371 (0943) (RC2371)  
     MQRC\_CHANNEL\_SSL\_ERROR  
 2282 (08EA) (RC2282)  
     MQRC\_CHANNEL\_STARTED  
 2283 (08EB) (RC2283)  
     MQRC\_CHANNEL\_STOPPED  
 2279 (08E7) (RC2279)  
     MQRC\_CHANNEL\_STOPPED\_BY\_USER  
 2006 (07D6) (RC2006)  
     MQRC\_CHAR\_ATTR\_LENGTH\_ERROR  
 2007 (07D7) (RC2007)  
     MQRC\_CHAR\_ATTRS\_ERROR  
 2008 (07D8) (RC2008)  
     MQRC\_CHAR\_ATTRS\_TOO\_SHORT  
 2340 (0924) (RC2340)  
     MQRC\_CHAR\_CONVERSION\_ERROR  
 2187 (088B) (RC2187)  
     MQRC\_CICS\_BRIDGE\_RESTRICTION  
 2140 (085C) (RC2140)  
     MQRC\_CICS\_WAIT\_FAILED  
 2423 (0977) (RC2423)  
     MQRC\_CLIENT\_CHANNEL\_CONFLICT  
 2278 (08E6) (RC2278)  
     MQRC\_CLIENT\_CONN\_ERROR  
 2407 (0967) (RC2407)  
     MQRC\_CLIENT\_EXIT\_ERROR

**2406 (0966) (RC2406)**  
 MQRC\_CLIENT\_EXIT\_LOAD\_ERROR  
**2266 (08DA) (RC2266)**  
 MQRC\_CLUSTER\_EXIT\_ERROR  
**2267 (08DB) (RC2267)**  
 MQRC\_CLUSTER\_EXIT\_LOAD\_ERROR  
**2268 (08DC) (RC2268)**  
 MQRC\_CLUSTER\_PUT\_INHIBITED  
**2189 (088D) (RC2189)**  
 MQRC\_CLUSTER\_RESOLUTION\_ERROR  
**2269 (08DD) (RC2269)**  
 MQRC\_CLUSTER\_RESOURCE\_ERROR  
**2322 (0912) (RC2322)**  
 MQRC\_CMD\_SERVER\_NOT\_AVAILABLE  
**2461 (099D) (RC2461)**  
 MQRC\_CMHO\_ERROR  
**2139 (085B) (RC2139)**  
 MQRC\_CNO\_ERROR  
**2106 (083A) (RC2106)**  
 MQRC\_COD\_NOT\_VALID\_FOR\_XCF\_Q  
**2330 (091A) (RC2330)**  
 MQRC\_CODED\_CHAR\_SET\_ID\_ERROR  
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 2434 (0982) (RC2434)  
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**2497 (09C1) (RC2497)**  
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**2495 (09BF) (RC2495)**  
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**2361 (0939) (RC2361)**  
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**2446 (098E) (RC2446)**  
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**6109 (17DD) (RC6109)**  
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**2270 (08DE) (RC2270)**  
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**2209 (08A1) (RC2209)**  
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**2034 (07F2) (RC2034)**  
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**2359 (0937) (RC2359)**  
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**2437 (0985) (RC2437)**  
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**2428 (097C) (RC2428)**  
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**0 (0000) (RC0000)**  
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**2035 (07F3) (RC2035)**  
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**6124 (17EC) (RC6124)**  
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 2043 (07FB) (RC2043)  
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     MQRC\_OD\_ERROR  
 2251 (08CB) (RC2251)  
     MQRC\_OFFSET\_ERROR  
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 2534 (09E6) (RC2534)  
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 2472 (09A8) (RC2472)  
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 2466 (09A2) (RC2466)  
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 2478 (09AE) (RC2478)  
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 2471 (09A7) (RC2471)  
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 2469 (09A5) (RC2469)  
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 2159 (086F) (RC2159)  
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 2479 (09AF) (RC2479)  
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 2058 (080A) (RC2058)  
     MQRC\_Q\_MGR\_NAME\_ERROR

2223 (08AF) (RC2223)  
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 2059 (080B) (RC2059)  
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 2162 (0872) (RC2162)  
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 2055 (0807) (RC2055)  
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 2336 (0920) (RC2336)  
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 2338 (0922) (RC2338)  
     MQRC\_RFH\_DUPLICATE\_PARM  
 2334 (091E) (RC2334)  
     MQRC\_RFH\_ERROR

2421 (0975) (RC2421)  
     MQRC\_RFH\_FORMAT\_ERROR  
 2228 (08B4) (RC2228)  
     MQRC\_RFH\_HEADER\_FIELD\_ERROR  
 2337 (0921) (RC2337)  
     MQRC\_RFH\_PARM\_ERROR  
 2339 (0923) (RC2339)  
     MQRC\_RFH\_PARM\_MISSING  
 2527 (09DF) (RC2527)  
     MQRC\_RFH\_RESTRICTED\_FORMAT\_ERR  
 2335 (091F) (RC2335)  
     MQRC\_RFH\_STRING\_ERROR  
 2220 (08AC) (RC2220)  
     MQRC\_RMH\_ERROR  
 2380 (094C) (RC2380)  
     MQRC\_SCO\_ERROR  
 2424 (0978) (RC2424)  
     MQRC\_SD\_ERROR  
 2062 (080E) (RC2062)  
     MQRC\_SECOND\_MARK\_NOT\_ALLOWED  
 2063 (080F) (RC2063)  
     MQRC\_SECURITY\_ERROR  
 2253 (08CD) (RC2253)  
     MQRC\_SEGMENT\_LENGTH\_ZERO  
 2443 (098B) (RC2443)  
     MQRC\_SEGMENTATION\_NOT\_ALLOWED  
 2365 (093D) (RC2365)  
     MQRC\_SEGMENTS\_NOT\_SUPPORTED  
 2519 (09D7) (RC2519)  
     MQRC\_SELECTION\_STRING\_ERROR  
 2504 (09C8) (RC2504)  
     MQRC\_SELECTOR\_ALWAYS\_FALSE  
 2065 (0811) (RC2065)  
     MQRC\_SELECTOR\_COUNT\_ERROR  
 2067 (0813) (RC2067)  
     MQRC\_SELECTOR\_ERROR  
 2516 (09D4) (RC2516)  
     MQRC\_SELECTOR\_INVALID\_FOR\_TYPE  
 2066 (0812) (RC2066)  
     MQRC\_SELECTOR\_LIMIT\_EXCEEDED  
 2524 (09DC) (RC2524)  
     MQRC\_SELECTOR\_NOT\_ALTERABLE  
 2068 (0814) (RC2068)  
     MQRC\_SELECTOR\_NOT\_FOR\_TYPE  
 2309 (0905) (RC2309)  
     MQRC\_SELECTOR\_NOT\_PRESENT  
 2318 (090E) (RC2318)  
     MQRC\_SELECTOR\_NOT\_SUPPORTED  
 2305 (0901) (RC2305)  
     MQRC\_SELECTOR\_NOT\_UNIQUE  
 2304 (0900) (RC2304)  
     MQRC\_SELECTOR\_OUT\_OF\_RANGE  
 2459 (099B) (RC2459)  
     MQRC\_SELECTOR\_SYNTAX\_ERROR  
 2299 (08FB) (RC2299)  
     MQRC\_SELECTOR\_TYPE\_ERROR

2312 (0908) (RC2312)  
     MQRC\_SELECTOR\_WRONG\_TYPE  
 2289 (08F1) (RC2289)  
     MQRC\_SERVICE\_ERROR  
 2285 (08ED) (RC2285)  
     MQRC\_SERVICE\_NOT\_AVAILABLE  
 2069 (0815) (RC2069)  
     MQRC\_SIGNAL\_OUTSTANDING  
 2070 (0816) (RC2070)  
     MQRC\_SIGNAL\_REQUEST\_ACCEPTED  
 2099 (0833) (RC2099)  
     MQRC\_SIGNAL1\_ERROR  
 2463 (099F) (RC2463)  
     MQRC\_SMPO\_ERROR  
 2211 (08A3) (RC2211)  
     MQRC\_SOAP\_AXIS\_ERROR  
 2210 (08A2) (RC2210)  
     MQRC\_SOAP\_DOTNET\_ERROR  
 2212 (08A4) (RC2212)  
     MQRC\_SOAP\_URL\_ERROR  
 2145 (0861) (RC2145)  
     MQRC\_SOURCE\_BUFFER\_ERROR  
 2111 (083F) (RC2111)  
     MQRC\_SOURCE\_CCSID\_ERROR  
 2113 (0841) (RC2113)  
     MQRC\_SOURCE\_DECIMAL\_ENC\_ERROR  
 2114 (0842) (RC2114)  
     MQRC\_SOURCE\_FLOAT\_ENC\_ERROR  
 2112 (0840) (RC2112)  
     MQRC\_SOURCE\_INTEGER\_ENC\_ERROR  
 2143 (085F) (RC2143)  
     MQRC\_SOURCE\_LENGTH\_ERROR  
 2261 (08D5) (RC2261)  
     MQRC\_SRC\_ENV\_ERROR  
 2262 (08D6) (RC2262)  
     MQRC\_SRC\_NAME\_ERROR  
 2438 (0986) (RC2438)  
     MQRC\_SRO\_ERROR  
 2391 (0957) (RC2391)  
     MQRC\_SSL\_ALREADY\_INITIALIZED  
 2402 (0962) (RC2402)  
     MQRC\_SSL\_CERT\_STORE\_ERROR  
 2401 (0961) (RC2401)  
     MQRC\_SSL\_CERTIFICATE\_REVOKED  
 2392 (0958) (RC2392)  
     MQRC\_SSL\_CONFIG\_ERROR  
 2393 (0959) (RC2393)  
     MQRC\_SSL\_INITIALIZATION\_ERROR  
 2409 (0969) (RC2409)  
     MQRC\_SSL\_KEY\_RESET\_ERROR  
 2396 (095C) (RC2396)  
     MQRC\_SSL\_NOT\_ALLOWED  
 2399 (095F) (RC2399)  
     MQRC\_SSL\_PEER\_NAME\_ERROR  
 2398 (095E) (RC2398)  
     MQRC\_SSL\_PEER\_NAME\_MISMATCH

2430 (097E) (RC2430)  
     MQRC\_STAT\_TYPE\_ERROR  
 2188 (088C) (RC2188)  
     MQRC\_STOPPED\_BY\_CLUSTER\_EXIT  
 2105 (0839) (RC2105)  
     MQRC\_STORAGE\_CLASS\_ERROR  
 2192 (0890) (RC2192)  
     MQRC\_STORAGE\_MEDIUM\_FULL  
 2071 (0817) (RC2071)  
     MQRC\_STORAGE\_NOT\_AVAILABLE  
 2307 (0903) (RC2307)  
     MQRC\_STRING\_ERROR  
 2323 (0913) (RC2323)  
     MQRC\_STRING\_LENGTH\_ERROR  
 2311 (0907) (RC2311)  
     MQRC\_STRING\_TRUNCATED  
 6107 (17DB) (RC6107)  
     MQRC\_STRUC\_ID\_ERROR  
 6123 (17EB) (RC6123)  
     MQRC\_STRUC\_LENGTH\_ERROR  
 2426 (097A) (RC2426)  
     MQRC\_STS\_ERROR  
 2432 (0980) (RC2432)  
     MQRC\_SUB\_ALREADY\_EXISTS  
 2503 (09C7) (RC2503)  
     MQRC\_SUB\_INHIBITED  
 2440 (0988) (RC2440)  
     MQRC\_SUB\_NAME\_ERROR  
 2431 (097F) (RC2431)  
     MQRC\_SUB\_USER\_DATA\_ERROR  
 2512 (09D0) (RC2512)  
     MQRC\_SUBLEVEL\_NOT\_ALTERABLE  
 2429 (097D) (RC2429)  
     MQRC\_SUBSCRIPTION\_IN\_USE  
 2109 (083D) (RC2109)  
     MQRC\_SUPPRESSED\_BY\_EXIT  
 2024 (07E8) (RC2024)  
     MQRC\_SYNCPOINT\_LIMIT\_REACHED  
 2072 (0818) (RC2072)  
     MQRC\_SYNCPOINT\_NOT\_AVAILABLE  
 2315 (090B) (RC2315)  
     MQRC\_SYSTEM\_BAG\_NOT\_ALTERABLE  
 2328 (0918) (RC2328)  
     MQRC\_SYSTEM\_BAG\_NOT\_DELETABLE  
 2302 (08FE) (RC2302)  
     MQRC\_SYSTEM\_ITEM\_NOT\_ALTERABLE  
 2329 (0919) (RC2329)  
     MQRC\_SYSTEM\_ITEM\_NOT\_DELETABLE  
 2146 (0862) (RC2146)  
     MQRC\_TARGET\_BUFFER\_ERROR  
 2115 (0843) (RC2115)  
     MQRC\_TARGET\_CCSID\_ERROR  
 2117 (0845) (RC2117)  
     MQRC\_TARGET\_DECIMAL\_ENC\_ERROR  
 2118 (0846) (RC2118)  
     MQRC\_TARGET\_FLOAT\_ENC\_ERROR

2116 (0844) (RC2116)  
     MQRC\_TARGET\_INTEGER\_ENC\_ERROR  
 2144 (0860) (RC2144)  
     MQRC\_TARGET\_LENGTH\_ERROR  
 2287 (08EF) (RC2287)  
     MQRC\_TERMINATION\_FAILED  
 2265 (08D9) (RC2265)  
     MQRC\_TM\_ERROR  
 2191 (088F) (RC2191)  
     MQRC\_TMC\_ERROR  
 2510 (09CE) (RC2510)  
     MQRC\_TOPIC\_NOT\_ALTERABLE  
 2425 (0979) (RC2425)  
     MQRC\_TOPIC\_STRING\_ERROR  
 2075 (081B) (RC2075)  
     MQRC\_TRIGGER\_CONTROL\_ERROR  
 2076 (081C) (RC2076)  
     MQRC\_TRIGGER\_DEPTH\_ERROR  
 2077 (081D) (RC2077)  
     MQRC\_TRIGGER\_MSG\_PRIORITY\_ERR  
 2078 (081E) (RC2078)  
     MQRC\_TRIGGER\_TYPE\_ERROR  
 2079 (081F) (RC2079)  
     MQRC\_TRUNCATED\_MSG\_ACCEPTED  
 2080 (0820) (RC2080)  
     MQRC\_TRUNCATED\_MSG\_FAILED  
 2341 (0925) (RC2341)  
     MQRC\_UCS2\_CONVERSION\_ERROR  
 2195 (0893) (RC2195)  
     MQRC\_UNEXPECTED\_ERROR  
 2232 (08B8) (RC2232)  
     MQRC\_UNIT\_OF\_WORK\_NOT\_STARTED  
 2082 (0822) (RC2082)  
     MQRC\_UNKNOWN\_ALIAS\_BASE\_Q  
 2540 (09EC) (RC2540)  
     MQRC\_UNKNOWN\_CHANNEL\_NAME  
 2197 (0895) (RC2197)  
     MQRC\_UNKNOWN\_DEF\_XMIT\_Q  
 2292 (08F4) (RC2292)  
     MQRC\_UNKNOWN\_ENTITY  
 2085 (0825) (RC2085)  
     MQRC\_UNKNOWN\_OBJECT\_NAME  
 2086 (0826) (RC2086)  
     MQRC\_UNKNOWN\_OBJECT\_Q\_MGR  
 2288 (08F0) (RC2288)  
     MQRC\_UNKNOWN\_Q\_NAME  
 2294 (08F6) (RC2294)  
     MQRC\_UNKNOWN\_REF\_OBJECT  
 2087 (0827) (RC2087)  
     MQRC\_UNKNOWN\_REMOTE\_Q\_MGR  
 2104 (0838) (RC2104)  
     MQRC\_UNKNOWN\_REPORT\_OPTION  
 2196 (0894) (RC2196)  
     MQRC\_UNKNOWN\_XMIT\_Q  
 2400 (0960) (RC2400)  
     MQRC\_UNSUPPORTED\_CIPHER\_SUITE

**2490 (09BA) (RC2490)**  
 MQRC\_UNSUPPORTED\_PROPERTY  
**2297 (08F9) (RC2297)**  
 MQRC\_UOW\_CANCELED  
**2354 (0932) (RC2354)**  
 MQRC\_UOW\_ENLISTMENT\_ERROR  
**2128 (0850) (RC2128)**  
 MQRC\_UOW\_IN\_PROGRESS  
**2355 (0933) (RC2355)**  
 MQRC\_UOW\_MIX\_NOT\_SUPPORTED  
**2255 (08CF) (RC2255)**  
 MQRC\_UOW\_NOT\_AVAILABLE  
**2291 (08F3) (RC2291)**  
 MQRC\_USER\_ID\_NOT\_AVAILABLE  
**2090 (082A) (RC2090)**  
 MQRC\_WAIT\_INTERVAL\_ERROR  
**2333 (091D) (RC2333)**  
 MQRC\_WIH\_ERROR  
**2366 (093E) (RC2366)**  
 MQRC\_WRONG\_CF\_LEVEL  
**2256 (08D0) (RC2256)**  
 MQRC\_WRONG\_GMO\_VERSION  
**2257 (08D1) (RC2257)**  
 MQRC\_WRONG\_MD\_VERSION  
**6128 (17FO) (RC6128)**  
 MQRC\_WRONG\_VERSION  
**2356 (0934) (RC2356)**  
 MQRC\_WXP\_ERROR  
**2507 (09CB) (RC2507)**  
 MQRC\_XEPO\_ERROR  
**2091 (082B) (RC2091)**  
 MQRC\_XMIT\_Q\_TYPE\_ERROR  
**2092 (082C) (RC2092)**  
 MQRC\_XMIT\_Q\_USAGE\_ERROR  
**2260 (08D4) (RC2260)**  
 MQRC\_XQH\_ERROR  
**2107 (083B) (RC2107)**  
 MQRC\_XWAIT\_CANCELED  
**2108 (083C) (RC2108)**  
 MQRC\_XWAIT\_ERROR  
**6116 (17E4) (RC6116)**  
 MQRC\_ZERO\_LENGTH



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## Chapter 5. PCF reason codes

Reason codes might be returned by a broker in response to a command message in PCF format, depending on the parameters used in that message.

For more information about PCF, see the WebSphere MQ Publish/Subscribe User's Guide.

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### Reason codes

The following is a list of PCF reason codes, in numeric order, providing detailed information to help you understand them, including:

- An explanation of the circumstances that have caused the code to be raised
- The associated completion code
- Suggested programmer actions in response to the code

See "Reason code cross reference" on page 1287 API completion and reason codes for a list of PCF reason codes in alphabetic order.

#### **3001 (0BB9) (RC3001): MQRCCF\_CFH\_TYPE\_ERROR**

##### **Explanation**

Type not valid.

The MQCFH *Type* field value was not valid.

##### **Programmer response**

Specify a valid type.

#### **3002 (0BBA) (RC3002): MQRCCF\_CFH\_LENGTH\_ERROR**

##### **Explanation**

Structure length not valid.

The MQCFH *StrucLength* field value was not valid.

##### **Programmer response**

Specify a valid structure length.

#### **3003 (0BBB) (RC3003): MQRCCF\_CFH\_VERSION\_ERROR**

##### **Explanation**

Structure version number is not valid.

The MQCFH *Version* field value was not valid.

### **Programmer response**

Specify a valid structure version number.

## **3004 (0BBC) (RC3004): MQRCCF\_CFH\_MSG\_SEQ\_NUMBER\_ERR**

### **Explanation**

Message sequence number not valid.

The MQCFH *MsgSeqNumber* field value was not valid.

### **Programmer response**

Specify a valid message sequence number.

## **3005 (0BBD) (RC3005): MQRCCF\_CFH\_CONTROL\_ERROR**

### **Explanation**

Control option not valid.

The MQCFH *Control* field value was not valid.

### **Programmer response**

Specify a valid control option.

## **3006 (0BBE) (RC3006): MQRCCF\_CFH\_PARM\_COUNT\_ERROR**

### **Explanation**

Parameter count not valid.

The MQCFH *ParameterCount* field value was not valid.

### **Programmer response**

Specify a valid parameter count.

## **3007 (0BBF) (RC3007): MQRCCF\_CFH\_COMMAND\_ERROR**

### **Explanation**

Command identifier not valid.

The MQCFH *Command* field value was not valid.

### **Programmer response**

Specify a valid command identifier.

### **3008 (0BC0) (RC3008): MQRCCF\_COMMAND\_FAILED**

#### **Explanation**

Command failed.

The command has failed.

#### **Programmer response**

Refer to the previous error messages for this command.

### **3009 (0BC1) (RC3009): MQRCCF\_CFIN\_LENGTH\_ERROR**

#### **Explanation**

Structure length not valid.

The MQCFIN or MQCFIN64 *StrucLength* field value was not valid.

#### **Programmer response**

Specify a valid structure length.

### **3010 (0BC2) (RC3010): MQRCCF\_CFST\_LENGTH\_ERROR**

#### **Explanation**

Structure length not valid.

The MQCFST *StrucLength* field value was not valid. The value was not a multiple of four or was inconsistent with the MQCFST *StringLength* field value.

#### **Programmer response**

Specify a valid structure length.

### **3011 (0BC3) (RC3011): MQRCCF\_CFST\_STRING\_LENGTH\_ERR**

#### **Explanation**

String length not valid.

The MQCFST *StringLength* field value was not valid. The value was negative or greater than the maximum permitted length of the parameter specified in the *Parameter* field.

#### **Programmer response**

Specify a valid string length for the parameter.

### **3012 (0BC4) (RC3012): MQRCCF\_FORCE\_VALUE\_ERROR**

#### **Explanation**

Force value not valid.

The force value specified was not valid.

#### **Programmer response**

Specify a valid force value.

### **3013 (0BC5) (RC3013): MQRCCF\_STRUCTURE\_TYPE\_ERROR**

#### **Explanation**

Structure type not valid.

The structure *Type* value was not valid.

#### **Programmer response**

Specify a valid structure type.

### **3014 (0BC6) (RC3014): MQRCCF\_CFIN\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQCFIN or MQCFIN64 *Parameter* field value was not valid.

#### **Programmer response**

Specify a valid parameter identifier.

### **3015 (0BC7) (RC3015): MQRCCF\_CFST\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQCFST *Parameter* field value was not valid.

#### **Programmer response**

Specify a valid parameter identifier.

### **3016 (0BC8) (RC3016): MQRCCF\_MSG\_LENGTH\_ERROR**

#### **Explanation**

Message length not valid.

The message data length was inconsistent with the length implied by the parameters in the message, or a positional parameter was out of sequence.

**Programmer response**

Specify a valid message length, and check that positional parameters are in the correct sequence.

**3017 (0BC9) (RC3017): MQRCCF\_CFIN\_DUPLICATE\_PARM**

**Explanation**

Duplicate parameter.

Two MQCFIN or MQCFIN64 or MQCFIL or MQCFIL64 structures, or any two of those types of structure, with the same parameter identifier were present.

**Programmer response**

Check for and remove duplicate parameters.

**3018 (0BCA) (RC3018): MQRCCF\_CFST\_DUPLICATE\_PARM**

**Explanation**

Duplicate parameter.

Two MQCFST structures, or an MQCFSL followed by an MQCFST structure, with the same parameter identifier were present.

**Programmer response**

Check for and remove duplicate parameters.

**3019 (0BCB) (RC3019): MQRCCF\_PARM\_COUNT\_TOO\_SMALL**

**Explanation**

Parameter count too small.

The MQCFH *ParameterCount* field value was less than the minimum required for the command.

**Programmer response**

Specify a parameter count that is valid for the command.

**3020 (0BCC) (RC3020): MQRCCF\_PARM\_COUNT\_TOO\_BIG**

**Explanation**

Parameter count too big.

The MQCFH *ParameterCount* field value was more than the maximum for the command.

### Programmer response

Specify a parameter count that is valid for the command.

## 3021 (0BCD) (RC3021): MQRCCF\_Q\_ALREADY\_IN\_CELL

### Explanation

Queue already exists in cell.

An attempt was made to define a queue with cell scope, or to change the scope of an existing queue from queue-manager scope to cell scope, but a queue with that name already existed in the cell.

### Programmer response

Do one of the following:

- Delete the existing queue and retry the operation.
- Change the scope of the existing queue from cell to queue-manager and retry the operation.
- Create the new queue with a different name.

## 3022 (0BCE) (RC3022): MQRCCF\_Q\_TYPE\_ERROR

### Explanation

Queue type not valid.

The *QType* value was not valid.

### Programmer response

Specify a valid queue type.

## 3023 (0BCF) (RC3023): MQRCCF\_MD\_FORMAT\_ERROR

### Explanation

Format not valid.

The MQMD *Format* field value was not MQFMT\_ADMIN.

### Programmer response

Specify the valid format.

## 3024 (0BD0) (RC3024): MQRCCF\_CFSL\_LENGTH\_ERROR

### Explanation

Structure length not valid.

The MQCFSL *StrucLength* field value was not valid. The value was not a multiple of four or was inconsistent with the MQCFSL *StringLength* field value.

**Programmer response**

Specify a valid structure length.

**3025 (0BD1) (RC3025): MQRCCF\_REPLACE\_VALUE\_ERROR****Explanation**

Replace value not valid.

The *Replace* value was not valid.

**Programmer response**

Specify a valid replace value.

**3026 (0BD2) (RC3026): MQRCCF\_CFIL\_DUPLICATE\_VALUE****Explanation**

Duplicate parameter value.

In the MQCFIL or MQCFIL64 structure, there was a duplicate parameter value in the list.

**Programmer response**

Check for and remove duplicate parameter values.

**3027 (0BD3) (RC3027): MQRCCF\_CFIL\_COUNT\_ERROR****Explanation**

Count of parameter values not valid.

The MQCFIL or MQCFIL64 *Count* field value was not valid. The value was negative or greater than the maximum permitted for the parameter specified in the *Parameter* field.

**Programmer response**

Specify a valid count for the parameter.

**3028 (0BD4) (RC3028): MQRCCF\_CFIL\_LENGTH\_ERROR****Explanation**

Structure length not valid.

The MQCFIL or MQCFIL64 *StrucLength* field value was not valid.

**Programmer response**

Specify a valid structure length.

### **3029 (0BD5) (RC3029): MQRCCF\_MODE\_VALUE\_ERROR**

#### **Explanation**

Mode value not valid.

The *Mode* value was not valid.

#### **Programmer response**

Specify a valid mode value.

### **3029 (0BD5) (RC3029): MQRCCF\_QUIESCE\_VALUE\_ERROR**

#### **Explanation**

Former name for MQRCCF\_MODE\_VALUE\_ERROR.

### **3030 (0BD6) (RC3030): MQRCCF\_MSG\_SEQ\_NUMBER\_ERROR**

#### **Explanation**

Message sequence number not valid.

The message sequence number parameter value was not valid.

#### **Programmer response**

Specify a valid message sequence number.

### **3031 (0BD7) (RC3031): MQRCCF\_PING\_DATA\_COUNT\_ERROR**

#### **Explanation**

Data count not valid.

The Ping Channel *DataCount* value was not valid.

#### **Programmer response**

Specify a valid data count value.

### **3032 (0BD8) (RC3032): MQRCCF\_PING\_DATA\_COMPARE\_ERROR**

#### **Explanation**

Ping Channel command failed.

The Ping Channel command failed with a data compare error. The data offset that failed is returned in the message (with parameter identifier MQIACF\_ERROR\_OFFSET).



### **Programmer response**

Consult your systems administrator.

## **3033 (0BD9) (RC3033): MQRCCF\_CFSL\_PARM\_ID\_ERROR**

### **Explanation**

Parameter identifier is not valid.

The MQRCCF *Parameter* field value was not valid.

### **Programmer response**

Specify a valid parameter identifier.

## **3034 (0BDA) (RC3034): MQRCCF\_CHANNEL\_TYPE\_ERROR**

### **Explanation**

Channel type not valid.

The *ChannelType* specified was not valid, or did not match the type of an existing channel being copied, changed or replaced, or the command and the specified disposition cannot be used with that type of channel.

### **Programmer response**

Specify a valid channel name, type, or disposition.

## **3035 (0BDB) (RC3035): MQRCCF\_PARM\_SEQUENCE\_ERROR**

### **Explanation**

Parameter sequence not valid.

The sequence of parameters is not valid for this command.

### **Programmer response**

Specify the positional parameters in a valid sequence for the command.

## **3036 (0BDC) (RC3036): MQRCCF\_XMIT\_PROTOCOL\_TYPE\_ERR**

### **Explanation**

Transmission protocol type not valid.

The *TransportType* value was not valid.

### **Programmer response**

Specify a valid transmission protocol type.

### **3037 (0BDD) (RC3037): MQRCCF\_BATCH\_SIZE\_ERROR**

#### **Explanation**

Batch size not valid.

The batch size specified was not valid.

#### **Programmer response**

Specify a valid batch size value.

### **3038 (0BDE) (RC3038): MQRCCF\_DISC\_INT\_ERROR**

#### **Explanation**

Disconnection interval not valid.

The disconnection interval specified was not valid.

#### **Programmer response**

Specify a valid disconnection interval.

### **3039 (0BDF) (RC3039): MQRCCF\_SHORT\_RETRY\_ERROR**

#### **Explanation**

Short retry count not valid.

The *ShortRetryCount* value was not valid.

#### **Programmer response**

Specify a valid short retry count value.

### **3040 (0BE0) (RC3040): MQRCCF\_SHORT\_TIMER\_ERROR**

#### **Explanation**

Short timer value not valid.

The *ShortRetryInterval* value was not valid.

#### **Programmer response**

Specify a valid short timer value.

### **3041 (0BE1) (RC3041): MQRCCF\_LONG\_RETRY\_ERROR**

#### **Explanation**

Long retry count not valid.

The long retry count value specified was not valid.

#### **Programmer response**

Specify a valid long retry count value.

### **3042 (0BE2) (RC3042): MQRCCF\_LONG\_TIMER\_ERROR**

#### **Explanation**

Long timer not valid.

The long timer (long retry wait interval) value specified was not valid.

#### **Programmer response**

Specify a valid long timer value.

### **3043 (0BE3) (RC3043): MQRCCF\_SEQ\_NUMBER\_WRAP\_ERROR**

#### **Explanation**

Sequence wrap number not valid.

The *SeqNumberWrap* value was not valid.

#### **Programmer response**

Specify a valid sequence wrap number.

### **3044 (0BE4) (RC3044): MQRCCF\_MAX\_MSG\_LENGTH\_ERROR**

#### **Explanation**

Maximum message length not valid.

The maximum message length value specified was not valid.

#### **Programmer response**

Specify a valid maximum message length.

### **3045 (0BE5) (RC3045): MQRCCF\_PUT\_AUTH\_ERROR**

#### **Explanation**

Put authority value not valid.

The *PutAuthority* value was not valid.

#### **Programmer response**

Specify a valid authority value.

### **3046 (0BE6) (RC3046): MQRCCF\_PURGE\_VALUE\_ERROR**

#### **Explanation**

Purge value not valid.

The *Purge* value was not valid.

#### **Programmer response**

Specify a valid purge value.

### **3047 (0BE7) (RC3047): MQRCCF\_CFIL\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQCFIL or MQCFIL64 *Parameter* field value was not valid, or specifies a parameter that cannot be filtered, or that is also specified as a parameter to select a subset of objects.

#### **Programmer response**

Specify a valid parameter identifier.

### **3048 (0BE8) (RC3048): MQRCCF\_MSG\_TRUNCATED**

#### **Explanation**

Message truncated.

The command server received a message that is larger than its maximum valid message size.

#### **Programmer response**

Check the message contents are correct.

## 3049 (0BE9) (RC3049): MQRCCF\_CCSID\_ERROR

### Explanation

Coded character-set identifier error.

In a command message, one of the following occurred:

- The *CodedCharSetId* field in the message descriptor of the command does not match the coded character-set identifier of the queue manager at which the command is being processed, or
- The *CodedCharSetId* field in a string parameter structure within the message text of the command is not
  - MQCCSI\_DEFAULT, or
  - the coded character-set identifier of the queue manager at which the command is being processed, as in the *CodedCharSetId* field in the message descriptor.

The error response message contains the correct value.

This reason can also occur if a ping cannot be performed because the coded character-set identifiers are not compatible. In this case the correct value is not returned.

### Programmer response

Construct the command with the correct coded character-set identifier, and specify this in the message descriptor when sending the command. For ping, use a suitable coded character-set identifier.

## 3050 (0BEA) (RC3050): MQRCCF\_ENCODING\_ERROR

### Explanation

Encoding error.

The *Encoding* field in the message descriptor of the command does not match that required for the platform at which the command is being processed.

### Programmer response

Construct the command with the correct encoding, and specify this in the message descriptor when sending the command.

## 3052 (0BEC) (RC3052): MQRCCF\_DATA\_CONV\_VALUE\_ERROR

### Explanation

Data conversion value not valid.

The value specified for *DataConversion* is not valid.

**Programmer response**

Specify a valid value.

**3053 (0BED) (RC3053): MQRCCF\_INDOUBT\_VALUE\_ERROR****Explanation**

In-doubt value not valid.

The value specified for *InDoubt* is not valid.

**Programmer response**

Specify a valid value.

**3054 (0BEE) (RC3054): MQRCCF\_ESCAPE\_TYPE\_ERROR****Explanation**

Escape type not valid.

The value specified for *EscapeType* is not valid.

**Programmer response**

Specify a valid value.

**3062 (0BF6) (RC3062): MQRCCF\_CHANNEL\_TABLE\_ERROR****Explanation**

Channel table value not valid.

The *ChannelTable* specified was not valid, or was not appropriate for the channel type specified on an Inquire Channel or Inquire Channel Names command.

**Programmer response**

Specify a valid channel table value.

**3063 (0BF7) (RC3063): MQRCCF\_MCA\_TYPE\_ERROR****Explanation**

Message channel agent type not valid.

The *MCAType* value specified was not valid.

**Programmer response**

Specify a valid value.

## **3064 (0BF8) (RC3064): MQRCCF\_CHL\_INST\_TYPE\_ERROR**

### **Explanation**

Channel instance type not valid.

The *ChannelInstanceType* specified was not valid.

### **Programmer response**

Specify a valid channel instance type.

## **3065 (0BF9) (RC3065): MQRCCF\_CHL\_STATUS\_NOT\_FOUND**

### **Explanation**

Channel status not found.

For Inquire Channel Status, no channel status is available for the specified channel. This may indicate that the channel has not been used.

### **Programmer response**

None, unless this is unexpected, in which case consult your systems administrator.

## **3066 (0BFA) (RC3066): MQRCCF\_CFSL\_DUPLICATE\_PARM**

### **Explanation**

Duplicate parameter.

Two MQCFSL structures, or an MQCFST followed by an MQCFSL structure, with the same parameter identifier were present.

### **Programmer response**

Check for and remove duplicate parameters.

## **3067 (0BFB) (RC3067): MQRCCF\_CFSL\_TOTAL\_LENGTH\_ERROR**

### **Explanation**

Total string length error.

The total length of the strings (not including trailing blanks) in a MQCFSL structure exceeds the maximum allowable for the parameter.

### **Programmer response**

Check that the structure has been specified correctly, and if so reduce the number of strings.

## 3068 (0BFC) (RC3068): MQRCCF\_CFSL\_COUNT\_ERROR

### Explanation

Count of parameter values not valid.

The MQCFSL *Count* field value was not valid. The value was negative or greater than the maximum permitted for the parameter specified in the *Parameter* field.

### Programmer response

Specify a valid count for the parameter.

## 3069 (0BFD) (RC3069): MQRCCF\_CFSL\_STRING\_LENGTH\_ERR

### Explanation

String length not valid.

The MQCFSL *StringLength* field value was not valid. The value was negative or greater than the maximum permitted length of the parameter specified in the *Parameter* field.

### Programmer response

Specify a valid string length for the parameter.

## 3070 (0BFE) (RC3070): MQRCCF\_BROKER\_DELETED

### Explanation

Broker has been deleted.

When a broker is deleted using the *dltmqbrk* command, all broker queues created by the broker are deleted. Before this can be done the queues are emptied of all command messages; any that are found are placed on the dead-letter queue with this reason code.

### Programmer response

Process the command messages that were placed on the dead-letter queue.

## 3071 (0BFF) (RC3071): MQRCCF\_STREAM\_ERROR

### Explanation

Stream name is not valid.

The stream name parameter is not valid. Stream names must obey the same naming rules as for WebSphere MQ queues.



## Programmer response

Retry the command with a valid stream name parameter.

### 3072 (0C00) (RC3072): MQRCCF\_TOPIC\_ERROR

#### Explanation

Topic name is invalid.

A command has been sent to the broker containing a topic name that is not valid. Note that wildcard topic names are not allowed for *Register Publisher* and *Publish* commands.

#### Programmer response

Retry the command with a valid topic name parameter. Up to 256 characters of the topic name in question are returned with the error response message. If the topic name contains a null character, this is assumed to terminate the string and is not considered to be part of it. A zero length topic name is not valid, as is one that contains an escape sequence that is not valid.

### 3073 (0C01) (RC3073): MQRCCF\_NOT\_REGISTERED

#### Explanation

Subscriber or publisher is not registered.

A *Deregister* command has been issued to remove registrations for a topic, or topics, for which the publisher or subscriber is not registered. If multiple topics were specified on the command, it fails with a completion code of MQCC\_WARNING if the publisher or subscriber was registered for some, but not all, of the topics specified. This error code is also returned to a subscriber issuing a *Request Update* command for a topic for which he does not have a subscription.

#### Programmer response

Investigate why the publisher or subscriber is not registered. In the case of a subscriber, the subscriptions might have expired, or been removed automatically by the broker if the subscriber is no longer authorized.

### 3074 (0C02) (RC3074): MQRCCF\_Q\_MGR\_NAME\_ERROR

#### Explanation

An invalid or unknown queue manager name has been supplied.

A queue manager name has been supplied as part of a publisher or subscriber identity. This might have been supplied as an explicit parameter or in the *ReplyToQMgr* field in the message descriptor of the command. Either the queue manager name is not valid, or in the case of a subscriber identity, the subscriber's queue could not be resolved because the remote queue manager is not known to the broker queue manager.

## Programmer response

Retry the command with a valid queue manager name. If appropriate, the broker includes a further error reason code within the error response message. If one is supplied, follow the guidance for that reason code in WebSphere MQ Application Programming Reference to resolve the problem.

### 3075 (0C03) (RC3075): MQRCCF\_INCORRECT\_STREAM

#### Explanation

Stream name does not match the stream queue it was sent to.

A command has been sent to a stream queue that specified a different stream name parameter.

#### Programmer response

Retry the command either by sending it to the correct stream queue or by modifying the command so that the stream name parameter matches.

### 3076 (0C04) (RC3076): MQRCCF\_Q\_NAME\_ERROR

#### Explanation

An invalid or unknown queue name has been supplied.

A queue name has been supplied as part of a publisher or subscriber identity. This might have been supplied as an explicit parameter or in the *ReplyToQ* field in the message descriptor of the command. Either the queue name is not valid, or in the case of a subscriber identity, the broker has failed to open the queue.

#### Programmer response

Retry the command with a valid queue name. If appropriate, the broker includes a further error reason code within the error response message. If one is supplied, follow the guidance for that reason code in WebSphere MQ Application Programming Reference to resolve the problem.

### 3077 (0C05) (RC3077): MQRCCF\_NO\_RETAINED\_MSG

#### Explanation

No retained message exists for the topic specified.

A *Request Update* command has been issued to request the retained message associated with the specified topic. No retained message exists for that topic.

#### Programmer response

If the topic or topics in question should have retained messages, the publishers of these topics might not be publishing with the correct publication options to cause their publications to be retained.

## 3078 (0C06) (RC3078): MQRCCF\_DUPLICATE\_IDENTITY

### Explanation

Publisher or subscriber identity already assigned to another user ID.

Each publisher and subscriber has a unique identity consisting of a queue manager name, a queue name, and optionally a correlation identifier. Associated with each identity is the user ID under which that publisher or subscriber first registered. A given identity can be assigned only to one user ID at a time. While the identity is registered with the broker all commands wanting to use it must specify the correct user ID. When a publisher or a subscriber no longer has any registrations with the broker the identity can be used by another user ID.

### Programmer response

Either retry the command using a different identity or remove all registrations associated with the identity so that it can be used by a different user ID. The user ID to which the identity is currently assigned is returned within the error response message. A *Deregister* command could be issued to remove these registrations. If the user ID in question cannot be used to execute such a command, you need to have the necessary authority to open the SYSTEM.BROKER.CONTROL.QUEUE using the MQOO\_ALTERNATE\_USER\_AUTHORITY option.

## 3079 (0C07) (RC3079): MQRCCF\_INCORRECT\_Q

### Explanation

Command sent to wrong broker queue.

The command is a valid broker command but the queue it has been sent to is incorrect. *Publish* and *Delete Publication* commands need to be sent to the stream queue, all other commands need to be sent to the SYSTEM.BROKER.CONTROL.QUEUE.

### Programmer response

Retry the command by sending it to the correct queue.

## 3080 (0C08) (RC3080): MQRCCF\_CORREL\_ID\_ERROR

### Explanation

Correlation identifier used as part of an identity is all binary zeroes.

Each publisher and subscriber is identified by a queue manager name, a queue name, and optionally a correlation identifier. The correlation identifier is typically used to allow multiple subscribers to share the same subscriber queue. In this instance a publisher or subscriber has indicated within the Registration or Publication options supplied on the command that their identity does include a correlation identifier, but a valid identifier has not been supplied.

### **Programmer response**

Retry the command ensuring that the correlation identifier supplied in the message descriptor of the command message is not all binary zeroes.

## **3081 (0C09) (RC3081): MQRCCF\_NOT\_AUTHORIZED**

### **Explanation**

Subscriber has insufficient authority.

To receive publications a subscriber application needs both browse authority for the stream queue that it is subscribing to, and put authority for the queue that publications are to be sent to. Subscriptions are rejected if the subscriber does not have both authorities. In addition to having browse authority for the stream queue, a subscriber would also require *altusr* authority for the stream queue to subscribe to certain topics that the broker itself publishes information on. These topics start with the MQ/SA/ prefix.

### **Programmer response**

Ensure that the subscriber has the necessary authorities and reissue the request. The problem might occur because the subscriber's user ID is not known to the broker. This can be identified if a further error reason code of MQRUC\_UNKNOWN\_ENTITY is returned within the error response message.

## **3082 (0C0A) (RC3082): MQRCCF\_UNKNOWN\_STREAM**

### **Explanation**

Stream is not known by the broker or could not be created.

A command message has been put to the SYSTEM.BROKER.CONTROL.QUEUE for an unknown stream. This error code is also returned if dynamic stream creation is enabled and the broker failed to create a stream queue for the new stream using the SYSTEM.BROKER.MODEL.STREAM queue.

### **Programmer response**

Retry the command for a stream that the broker supports. If the broker should support the stream, either define the stream queue manually, or correct the problem that prevented the broker from creating the stream queue itself.

## **3083 (0C0B) (RC3083): MQRCCF\_REG\_OPTIONS\_ERROR**

### **Explanation**

Invalid registration options have been supplied.

The registration options provided on a command are not valid.

### **Programmer response**

Retry the command with a valid combination of options.

## **3084 (0C0C) (RC3084): MQRCCF\_PUB\_OPTIONS\_ERROR**

### **Explanation**

Invalid publication options have been supplied.

The publication options provided on a Publish command are not valid.

### **Programmer response**

Retry the command with a valid combination of options.

## **3085 (0C0D) (RC3085): MQRCCF\_UNKNOWN\_BROKER**

### **Explanation**

Command received from an unknown broker.

Within a multi-broker network, related brokers pass subscriptions and publications between each other as a series of command messages. One such command message has been received from a broker that is not, or is no longer, related to the detecting broker.

### **Programmer response**

This situation can occur if the broker network is not quiesced while topology changes are made to the network. When removing a broker from the network ensure that the channels between the two related brokers in question are active.

## **3086 (0C0E) (RC3086): MQRCCF\_Q\_MGR\_CCSID\_ERROR**

### **Explanation**

Queue manager coded character set identifier error.

The coded character set value for the queue manager was not valid.

### **Programmer response**

Specify a valid value.

## **3087 (0C0F) (RC3087): MQRCCF\_DEL\_OPTIONS\_ERROR**

### **Explanation**

Invalid delete options have been supplied.

The options provided with a *Delete Publication* command are not valid.

### **Programmer response**

Retry the command with a valid combination of options.

## 3088 (0C10) (RC3088): MQRCCF\_CLUSTER\_NAME\_CONFLICT

### Explanation

*ClusterName* and *ClusterNameList* attributes conflict.

The command was rejected because it would have resulted in the *ClusterName* attribute and the *ClusterNameList* attribute both being nonblank. At least one of these attributes must be blank.

### Programmer response

If the command specified one of these attributes only, you must also specify the other one, but with a value of blanks. If the command specified both attributes, ensure that one of them has a value of blanks.

## 3089 (0C11) (RC3089): MQRCCF\_REPOS\_NAME\_CONFLICT

### Explanation

*RepositoryName* and *RepositoryNameList* attributes conflict.

Either:

- The command was rejected because it would have resulted in the *RepositoryName* and *RepositoryNameList* attributes both being nonblank. At least one of these attributes must be blank.
- For a Reset Queue Manager Cluster command, the queue manager does not provide a full repository management service for the specified cluster. That is, the *RepositoryName* attribute of the queue manager is not the specified cluster name, or the namelist specified by the *RepositoryNameList* attribute does not contain the cluster name.

### Programmer response

Reissue the command with the correct values or on the correct queue manager.

## 3090 (0C12) (RC3090): MQRCCF\_CLUSTER\_Q\_USAGE\_ERROR

### Explanation

Queue cannot be a cluster queue.

The command was rejected because it would have resulted in a cluster queue also being a transmission queue, which is not permitted, or because the queue in question cannot be a cluster queue.

### Programmer response

Ensure that the command specifies either:

- The *Usage* parameter with a value of MQUS\_NORMAL, or
- The *ClusterName* and *ClusterNameList* parameters with values of blanks.
- A *QName* parameter with a value that is not one of these reserved queues:

- SYSTEM.CHANNEL.INITQ
- SYSTEM.CHANNEL.SYNCQ
- SYSTEM.CLUSTER.COMMAND.QUEUE
- SYSTEM.CLUSTER.REPOSITORY.QUEUE
- SYSTEM.COMMAND.INPUT
- SYSTEM.QSG.CHANNEL.SYNCQ
- SYSTEM.QSG.TRANSMIT.QUEUE

### **3091 (0C13) (RC3091): MQRCCF\_ACTION\_VALUE\_ERROR**

#### **Explanation**

Action value not valid.

The value specified for *Action* is not valid. There is only one valid value.

#### **Programmer response**

Specify MQACT\_FORCE\_REMOVE as the value of the *Action* parameter.

### **3092 (0C14) (RC3092): MQRCCF\_COMMS\_LIBRARY\_ERROR**

#### **Explanation**

Library for requested communications protocol could not be loaded.

The library needed for the requested communications protocol could not be loaded.

#### **Programmer response**

Install the library for the required communications protocol, or specify a communications protocol that has already been installed.

### **3093 (0C15) (RC3093): MQRCCF\_NETBIOS\_NAME\_ERROR**

#### **Explanation**

NetBIOS listener name not defined.

The NetBIOS listener name is not defined.

#### **Programmer response**

Add a local name to the configuration file and retry the operation.

## **3094 (0C16) (RC3094): MQRCCF\_BROKER\_COMMAND\_FAILED**

### **Explanation**

The broker command failed to complete.

A broker command was issued but it failed to complete.

### **Programmer response**

Diagnose the problem using the provided information and issue a corrected command.

## **3095 (0C17) (RC3095): MQRCCF\_CFST\_CONFLICTING\_PARM**

### **Explanation**

Conflicting parameters.

The command was rejected because the parameter identified in the error response was in conflict with another parameter in the command.

### **Programmer response**

Consult the description of the parameter identified to ascertain the nature of the conflict, and the correct command.

## **3096 (0C18) (RC3096): MQRCCF\_PATH\_NOT\_VALID**

### **Explanation**

Path not valid.

The path specified was not valid.

### **Programmer response**

Specify a valid path.

## **3097 (0C19) (RC3097): MQRCCF\_PARM\_SYNTAX\_ERROR**

### **Explanation**

Syntax error found in parameter.

The parameter specified contained a syntax error.

### **Programmer response**

Check the syntax for this parameter.



## 3098 (0C1A) (RC3098): MQRCCF\_PWD\_LENGTH\_ERROR

### Explanation

Password length error.

The password string length is rounded up by to the nearest eight bytes. This rounding causes the total length of the *SSLCryptoHardware* string to exceed its maximum.

### Programmer response

Decrease the size of the password, or of earlier fields in the *SSLCryptoHardware* string.

## 3150 (0C4E) (RC3150): MQRCCF\_FILTER\_ERROR

### Explanation

Filter not valid.

Either:

1. In an inquire command message, the specification of a filter is not valid.
2. In a publish/subscribe command message, the content-based filter expression supplied in the publish/subscribe command message contains invalid syntax, and cannot be used.

### Programmer response

1. Correct the specification of the filter parameter structure in the inquire command message.
2. Correct the syntax of the filter expression in the publish/subscribe command message. The filter expression is the value of the *Filter* tag in the *psc* folder in the MQRFH2 structure. See the *Websphere MQ Integrator V2 Programming Guide* for details of valid syntax.

## 3151 (0C4F) (RC3151): MQRCCF\_WRONG\_USER

### Explanation

Wrong user.

A publish/subscribe command message cannot be executed on behalf of the requesting user because the subscription that it would update is already owned by a different user. A subscription can be updated or deregistered only by the user that originally registered the subscription.

### Programmer response

Ensure that applications that need to issue commands against existing subscriptions are running under the user identifier that originally registered the subscription. Alternatively, use different subscriptions for different users.

## **3152 (0C50) (RC3152): MQRCCF\_DUPLICATE\_SUBSCRIPTION**

### **Explanation**

The subscription already exists.

A matching subscription already exists.

### **Programmer response**

Either modify the new subscription properties to distinguish it from the existing subscription or deregister the existing subscription. Then reissue the command.

## **3153 (0C51) (RC3153): MQRCCF\_SUB\_NAME\_ERROR**

### **Explanation**

The subscription name parameter is in error.

Either the subscription name is of an invalid format or a matching subscription already exists with no subscription name.

### **Programmer response**

Either correct the subscription name or remove it from the command and reissue the command.

## **3154 (0C52) (RC3154): MQRCCF\_SUB\_IDENTITY\_ERROR**

### **Explanation**

The subscription identity parameter is in error.

Either the supplied value exceeds the maximum length allowed or the subscription identity is not currently a member of the subscription's identity set and a Join registration option was not specified.

### **Programmer response**

Either correct the identity value or specify a Join registration option to add this identity to the identity set for this subscription.

## **3155 (0C53) (RC3155): MQRCCF\_SUBSCRIPTION\_IN\_USE**

### **Explanation**

The subscription is in use.

An attempt to modify or deregister a subscription was attempted by a member of the identity set when they were not the only member of this set.

### **Programmer response**

Reissue the command when you are the only member of the identity set. To avoid the identity set check and force the modification or deregistration remove the

subscription identity from the command message and reissue the command.

### **3156 (0C54) (RC3156): MQRCCF\_SUBSCRIPTION\_LOCKED**

#### **Explanation**

The subscription is locked.

The subscription is currently exclusively locked by another identity.

#### **Programmer response**

Wait for this identity to release the exclusive lock.

### **3157 (0C55) (RC3157): MQRCCF\_ALREADY\_JOINED**

#### **Explanation**

The identity already has an entry for this subscription.

A Join registration option was specified but the subscriber identity was already a member of the subscription's identity set.

#### **Programmer response**

None. The command completed, this reason code is a warning.

### **3160 (0C58) (RC3160): MQRCCF\_OBJECT\_IN\_USE**

#### **Explanation**

Object in use by another command.

A modification of an object was attempted while the object was being modified by another command.

#### **Programmer response**

Retry the command.

### **3161 (0C59) (RC3161): MQRCCF\_UNKNOWN\_FILE\_NAME**

#### **Explanation**

File not defined to CICS.

A file name parameter identifies a file that is not defined to CICS.

#### **Programmer response**

Provide a valid file name or create a CSD definition for the required file.

## **3162 (0C5A) (RC3162): MQRCCF\_FILE\_NOT\_AVAILABLE**

### **Explanation**

File not available to CICS.

A file name parameter identifies a file that is defined to CICS, but is not available.

### **Programmer response**

Check that the CSD definition for the file is correct and enabled.

## **3163 (0C5B) (RC3163): MQRCCF\_DISC\_RETRY\_ERROR**

### **Explanation**

Disconnection retry count not valid.

The *DiscRetryCount* value was not valid.

### **Programmer response**

Specify a valid count.

## **3164 (0C5C) (RC3164): MQRCCF\_ALLOC\_RETRY\_ERROR**

### **Explanation**

Allocation retry count not valid.

The *AllocRetryCount* value was not valid.

### **Programmer response**

Specify a valid count.

## **3165 (0C5D) (RC3165): MQRCCF\_ALLOC\_SLOW\_TIMER\_ERROR**

### **Explanation**

Allocation slow retry timer value not valid.

The *AllocRetrySlowTimer* value was not valid.

### **Programmer response**

Specify a valid timer value.

**3166 (0C5E) (RC3166):  
MQRCCF\_ALLOC\_FAST\_TIMER\_ERROR**

**Explanation**

Allocation fast retry timer value not valid.

The *AllocRetryFastTimer* value was not valid.

**Programmer response**

Specify a valid value.

**3167 (0C5F) (RC3167): MQRCCF\_PORT\_NUMBER\_ERROR**

**Explanation**

Port number value not valid.

The *PortNumber* value was not valid.

**Programmer response**

Specify a valid port number value.

**3168 (0C60) (RC3168): MQRCCF\_CHL\_SYSTEM\_NOT\_ACTIVE**

**Explanation**

Channel system is not active.

An attempt was made to start a channel while the channel system was inactive.

**Programmer response**

Activate the channel system before starting a channel.

**3169 (0C61) (RC3169): MQRCCF\_ENTITY\_NAME\_MISSING**

**Explanation**

Entity name required but missing.

A parameter specifying entity names must be supplied.

**Programmer response**

Specify the required parameter.

**3170 (0C62) (RC3170): MQRCCF\_PROFILE\_NAME\_ERROR**

**Explanation**

Profile name not valid.

A profile name is not valid. Profile names may include wildcard characters or may be given explicitly. If you give an explicit profile name, then the object identified by the profile name must exist. This error may also occur if you specify more than one double asterisk in a profile name.

**Programmer response**

Specify a valid name.

**3171 (0C63) (RC3171): MQRCCF\_AUTH\_VALUE\_ERROR**

**Explanation**

Authorization value not valid.

A value for the *AuthorizationList* or *AuthorityRemove* or *AuthorityAdd* parameter was not valid.

**Programmer response**

Specify a valid value.

**3172 (0C64) (RC3172): MQRCCF\_AUTH\_VALUE\_MISSING**

**Explanation**

Authorization value required but missing.

A parameter specifying authorization values must be supplied.

**Programmer response**

Specify the required parameter.

**3173 (0C65) (RC3173): MQRCCF\_OBJECT\_TYPE\_MISSING**

**Explanation**

Object type value required but missing.

A parameter specifying the object type must be supplied.

**Programmer response**

Specify the required parameter.

**3174 (0C66) (RC3174): MQRCCF\_CONNECTION\_ID\_ERROR**

**Explanation**

Error in connection id parameter.

The *ConnectionId* specified was not valid.

### **Programmer response**

Specify a valid connection id.

## **3175 (0C67) (RC3175): MQRCCF\_LOG\_TYPE\_ERROR**

### **Explanation**

Log type not valid.

The log type value specified was not valid.

### **Programmer response**

Specify a valid log type value.

## **3176 (0C68) (RC3176): MQRCCF\_PROGRAM\_NOT\_AVAILABLE**

### **Explanation**

Program not available.

A request to start or stop a service failed because the request to start the program failed. This could be because the program could not be found at the specified location, or that insufficient system resources are available currently to start it.

### **Programmer response**

Check that the correct name is specified in the definition of the service, and that the program is in the appropriate libraries, before retrying the request.

## **3177 (0C69) (RC3177): MQRCCF\_PROGRAM\_AUTH\_FAILED**

### **Explanation**

Program not available.

A request to start or stop a service failed because the user does not have sufficient access authority to start the program at the specified location.

### **Programmer response**

Correct the program name and location, and the user's authority, before retrying the request.

## **3200 (0C80) (RC3200): MQRCCF\_NONE\_FOUND**

### **Explanation**

No items found matching request criteria.

An Inquire command found no items that matched the specified name and satisfied any other criteria requested.

## 3201 (0C81) (RC3201): MQRCCF\_SECURITY\_SWITCH\_OFF

### Explanation

Security refresh or reverification not processed, security switch set OFF.

Either

- a Reverify Security command was issued, but the subsystem security switch is off, so there are no internal control tables to flag for reverification; or
- a Refresh Security command was issued, but the security switch for the requested class or the subsystem security switch is off.

The switch in question may be returned in the message (with parameter identifier MQIACF\_SECURITY\_SWITCH).

## 3202 (0C82) (RC3202): MQRCCF\_SECURITY\_REFRESH\_FAILED

### Explanation

Security refresh did not take place.

A SAF RACROUTE REQUEST=STAT call to your external security manager (ESM) returned a non-zero return code. In consequence, the requested security refresh could not be done. The security item affected may be returned in the message (with parameter identifier MQIACF\_SECURITY\_ITEM).

Possible causes of this problem are:

- The class is not installed
- The class is not active
- The external security manager (ESM) is not active
- The RACF z/OS router table is incorrect

### Programmer response

For information about resolving the problem, see the explanations of messages CSQH003I and CSQH004I.

## 3203 (0C83) (RC3203): MQRCCF\_PARM\_CONFLICT

### Explanation

Incompatible parameters or parameter values.

The parameters or parameter values for a command are incompatible. One of the following occurred:

- A parameter was not specified that is required by another parameter or parameter value.
- A parameter or parameter value was specified that is not allowed with some other parameter or parameter value.
- The values for two specified parameters were not both blank or non-blank.
- The values for two specified parameters were incompatible.



The parameters in question may be returned in the message (with parameter identifiers MQIACF\_PARAMETER\_ID).

### **Programmer response**

Reissue the command with correct parameters and values.

## **3204 (0C84) (RC3204): MQRCCF\_COMMAND\_INHIBITED**

### **Explanation**

Commands not allowed at present time.

The queue manager cannot accept commands at the present time, because it is restarting or terminating, or because the command server is not running.

## **3205 (0C85) (RC3205): MQRCCF\_OBJECT\_BEING\_DELETED**

### **Explanation**

Object is being deleted.

The object specified on a command is in the process of being deleted, so the command is ignored.

## **3207 (0C87) (RC3207): MQRCCF\_STORAGE\_CLASS\_IN\_USE**

### **Explanation**

Storage class is active or queue is in use.

The command for a local queue involved a change to the *StorageClass* value, but there are messages on the queue, or other threads have the queue open.

### **Programmer response**

Remove the messages from the queue, or wait until any other threads have closed the queue.

## **3208 (0C88) (RC3208): MQRCCF\_OBJECT\_NAME\_RESTRICTED**

### **Explanation**

Incompatible object name and type.

The command used a reserved object name with an incorrect object type or subtype. The object is only allowed to be of a predetermined type, as listed in the explanation of message CSQM108I.

## 3209 (0C89) (RC3209): MQRCCF\_OBJECT\_LIMIT\_EXCEEDED

### Explanation

Local queue limit exceeded.

The command failed because no more local queues could be defined. There is an implementation limit of 524 287 for the total number of local queues that can exist. For shared queues, there is a limit of 512 queues in a single coupling facility structure.

### Programmer response

Delete any existing queues that are no longer required.

## 3210 (0C8A) (RC3210): MQRCCF\_OBJECT\_OPEN\_FORCE

### Explanation

Object is in use, but could be changed specifying *Force* as MQFC\_YES.

The object specified is in use. This could be because it is open through the API, or for certain parameter changes, because there are messages currently on the queue. The requested changes can be made by specifying *Force* as MQFC\_YES on a Change command.

### Programmer response

Wait until the object is not in use. Alternatively specify *Force* as MQFC\_YES for a change command.

## 3211 (0C8B) (RC3211): MQRCCF\_DISPOSITION\_CONFLICT

### Explanation

Parameters are incompatible with disposition.

The parameters or parameter values for a command are incompatible with the disposition of an object. One of the following occurred:

- A value specified for the object name or other parameter is not allowed for a local queue whose disposition is shared or a model queue used to create a dynamic queue that is shared.
- A value specified for a parameter is not allowed for an object with such disposition.
- A value specified for a parameter must be non-blank for an object with such disposition.
- The *CommandScope* and *QSGDisposition* or *ChannelDisposition* parameter values are incompatible.
- The action requested for a channel cannot be performed because it has the wrong disposition.

The parameter and disposition in question may be returned in the message (with parameter identifiers MQIACF\_PARAMETER\_ID and MQIA\_QSG\_DISP).

### **Programmer response**

Reissue the command with correct parameters and values.

## **3212 (0C8C) (RC3212): MQRCCF\_Q\_MGR\_NOT\_IN\_QSG**

### **Explanation**

Queue manager is not in a queue-sharing group.

The command or its parameters are not allowed when the queue manager is not in a queue-sharing group. The parameter in question may be returned in the message (with parameter identifier MQIACF\_PARAMETER\_ID).

### **Programmer response**

Reissue the command correctly.

## **3213 (0C8D) (RC3213): MQRCCF\_ATTR\_VALUE\_FIXED**

### **Explanation**

Parameter value cannot be changed.

The value for a parameter cannot be changed. The parameter in question may be returned in the message (with parameter identifier MQIACF\_PARAMETER\_ID).

### **Programmer response**

To change the parameter, the object must be deleted and then created again with the new value.

## **3215 (0C8F) (RC3215): MQRCCF\_NAMELIST\_ERROR**

### **Explanation**

Namelist is empty or wrong type.

A namelist used to specify a list of clusters has no names in it or does not have type MQNT\_CLUSTER or MQNT\_NONE.

### **Programmer response**

Reissue the command specifying a namelist that is not empty and has a suitable type.

## **3217 (0C91) (RC3217): MQRCCF\_NO\_CHANNEL\_INITIATOR**

### **Explanation**

Channel initiator not active.

The command requires the channel initiator to be started.

## **3218 (0C93) (RC3218): MQRCCF\_CHANNEL\_INITIATOR\_ERROR**

### **Explanation**

Channel initiator cannot be started, or no suitable channel initiator is available.

One of the following:

- The channel initiator cannot be started because:
  - It is already active.
  - There are insufficient system resources.
  - The queue manager was shutting down.
- The shared channel cannot be started because there was no suitable channel initiator available for any active queue manager in the queue-sharing group. This could be because:
  - No channel initiators are running.
  - The channel initiators that are running are too busy to allow any channel, or a channel of the particular type, to be started.

## **3222 (0C96) (RC3222): MQRCCF\_COMMAND\_LEVEL\_CONFLICT**

### **Explanation**

Incompatible queue manager command levels.

Changing the *CFLevel* parameter of a CF structure, or deleting a CF structure, requires that all queue managers in the queue-sharing group have a command level of at least 530. Some of the queue managers have a lower level.

## **3223 (0C97) (RC3223): MQRCCF\_Q\_ATTR\_CONFLICT**

### **Explanation**

Queue attributes are incompatible.

The queues involved in a Move Queue command have different values for one or more of these attributes: *DefinitionType*, *HardenGetBackout*, *Usage*. Messages cannot be moved safely if these attributes differ.

## **3224 (0C98) (RC3224): MQRCCF\_EVENTS\_DISABLED**

### **Explanation**

Events not enabled.

The command required performance or configuration events to be enabled.

### **Programmer response**

Use the Change Queue manager command to enable the events if required.

## 3225 (0C99) (RC3225): MQRCCF\_COMMAND\_SCOPE\_ERROR

### Explanation

Queue-sharing group error.

While processing a command that used the *CommandScope* parameter, an error occurred while trying to send data to the coupling facility.

### Programmer response

Notify your system programmer.

## 3226 (0C9A) (RC3226): MQRCCF\_COMMAND\_REPLY\_ERROR

### Explanation

Error saving command reply information.

While processing a command that used the *CommandScope* parameter, or a command for the channel initiator, an error occurred while trying to save information about the command.

### Programmer response

The most likely cause is insufficient storage. If the problem persists, you may need to restart the queue manager after making more storage available.

## 3227 (0C9B) (RC3227): MQRCCF\_FUNCTION\_RESTRICTED

### Explanation

Restricted command or parameter value used.

The command, or the value specified for one of its parameters, is not allowed because the installation and customization options chosen do not allow all functions to be used. The parameter in question may be returned in the message (with parameter identifier MQIACF\_PARAMETER\_ID).

## 3228 (0C9C) (RC3228): MQRCCF\_PARM\_MISSING

### Explanation

Required parameter not specified.

The command did not specify a parameter or parameter value that was required. It may be:

- A parameter that is always required.
- A parameter that is one of a set of two or more alternative required parameters.
- A parameter that is required because some other parameter was specified.
- A parameter that is a list of values which has too few values.

The parameter in question may be returned in the message (with parameter identifier MQIACF\_PARAMETER\_ID).

### **Programmer response**

Reissue the command with correct parameters and values.

## **3229 (0C9D) (RC3229): MQRCCF\_PARM\_VALUE\_ERROR**

### **Explanation**

Parameter value invalid.

The value specified for a parameter was not acceptable. It may be:

- Outside the acceptable numeric range for the parameter.
- Not one of a list of acceptable values for the parameter.
- Using characters that are invalid for the parameter.
- Completely blank, when such is not allowed for the parameter.
- A filter value that is invalid for the parameter being filtered.

The parameter in question may be returned in the message (with parameter identifier MQIACF\_PARAMETER\_ID).

### **Programmer response**

Reissue the command with correct parameters and values.

## **3230 (0C9E) (RC3230): MQRCCF\_COMMAND\_LENGTH\_ERROR**

### **Explanation**

Command exceeds allowable length.

The command is so large that its internal form has exceeded the maximum length allowed. The size of the internal form of the command is affected by both the length, and the complexity of the command.

## **3231 (0C9F) (RC3231): MQRCCF\_COMMAND\_ORIGIN\_ERROR**

### **Explanation**

Command issued incorrectly.

The command cannot be issued using command server. This is an internal error.

### **Programmer response**

Notify your system programmer.

## **3232 (0CA0) (RC3232): MQRCCF\_LISTENER\_CONFLICT**

### **Explanation**

Address conflict for listener.

A listener was already active for a port and IP address combination that conflicted with the *Port* and *IPAddress* values specified by a Start Channel Listener or Stop

Channel Listener command. The *Port* and *IPAddress* value combination specified must match a combination for which the listener is active. It cannot be a superset or a subset of that combination.

### **Programmer response**

Reissue the command with correct values, if required.

## **3233 (0CA1) (RC3233): MQRCCF\_LISTENER\_STARTED**

### **Explanation**

Listener is started.

An attempt was made to start a listener, but it is already active for the requested *TransportType*, *InboundDisposition*, *Port*, and *IPAddress* values. The requested parameter values may be returned in the message, if applicable (with parameter identifiers MQIACH\_XMIT\_PROTOCOL\_TYPE, MQIACH\_INBOUND\_DISP, MQIACH\_PORT\_NUMBER, MQCACH\_IP\_ADDRESS).

## **3234 (0CA2) (RC3234): MQRCCF\_LISTENER\_STOPPED**

### **Explanation**

Listener is stopped.

An attempt was made to stop a listener, but it is not active or already stopping for the requested *TransportType*, *InboundDisposition*, *Port*, and *IPAddress* values. The requested parameter values may be returned in the message, if applicable (with parameter identifiers MQIACH\_XMIT\_PROTOCOL\_TYPE, MQIACH\_INBOUND\_DISP, MQIACH\_PORT\_NUMBER, MQCACH\_IP\_ADDRESS).

## **3235 (0CA3) (RC3235): MQRCCF\_CHANNEL\_ERROR**

### **Explanation**

Channel command failed.

A channel command failed because of an error in the channel definition, or at the remote end of the channel, or in the communications system. An error identifier value *nnn* may be returned in the message (with parameter identifier MQIACF\_ERROR\_ID).

### **Programmer response**

For information about the error, see the explanation of the corresponding error message. Error *nnn* generally corresponds to message CSQX*nnn*, although there are some exceptions. The section *Distributed queuing message codes* in the WebSphere MQ for z/OS Messages and Codes book gives full details.

## 3236 (0CA4) (RC3236): MQRCCF\_CF\_STRUC\_ERROR

### Explanation

CF structure error.

A command could not be processed because of a coupling facility or CF structure error. It may be:

- A Backup CF Structure or Recover CF Structure command when the status of the CF structure is unsuitable. In this case, the CF structure status may be returned in the message together with the CF structure name (with parameter identifiers MQIACF\_CF\_STRUC\_STATUS and MQCA\_CF\_STRUC\_NAME).
- A command could not access an object because of an error in the coupling facility information, or because a CF structure has failed. In this case, the name of the object involved may be returned in the message (with parameter identifier MQCA\_Q\_NAME, for example).
- A command involving a shared channel could not access the channel status or synchronization key information.

### Programmer response

In the case of a Backup CF Structure or Recover CF Structure command, take action appropriate to the CF structure status reported.

In other cases, check for error messages on the console log that might relate to the problem. Check whether the coupling facility structure has failed and check that DB2 is available.

## 3237 (0CA5) (RC3237): MQRCCF\_UNKNOWN\_USER\_ID

### Explanation

User identifier not found.

A user identifier specified in a Reverify Security command was not valid because there was no entry found for it in the internal control table. This could be because the identifier was entered incorrectly in the command, or because it was not in the table (for example, because it had timed-out). The user identifier in question may be returned in the message (with parameter identifier MQCACF\_USER\_IDENTIFIER).

## 3238 (0CA6) (RC3238): MQRCCF\_UNEXPECTED\_ERROR

### Explanation

Unexpected or severe error.

An unexpected or severe error or other failure occurred. A code associated with the error may be returned in the message (with parameter identifier MQIACF\_ERROR\_ID).

### Programmer response

Notify your system programmer.



### **3239 (0CA7) (RC3239): MQRCCF\_NO\_XCF\_PARTNER**

#### **Explanation**

MQ is not connected to the XCF partner.

The command involving the IMS Bridge cannot be processed because MQ is not connected to the XCF partner. The group and member names of the XCF partner in question may be returned in the message (with parameter identifiers MQCA\_XCF\_GROUP\_NAME and MQCA\_XCF\_MEMBER\_NAME).

### **3240 (0CA8) (RC3240): MQRCCF\_CFGR\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQCFGR *Parameter* field value was not valid.

#### **Programmer response**

Specify a valid parameter identifier.

### **3241 (0CA9) (RC3241): MQRCCF\_CFIF\_LENGTH\_ERROR**

#### **Explanation**

Structure length not valid.

The MQCFIF *StrucLength* field value was not valid.

#### **Programmer response**

Specify a valid structure length.

### **3242 (0CAA) (RC3242): MQRCCF\_CFIF\_OPERATOR\_ERROR**

#### **Explanation**

Parameter count not valid.

The MQCFIF *Operator* field value was not valid.

#### **Programmer response**

Specify a valid operator value.

### **3243 (0CAB) (RC3243): MQRCCF\_CFIF\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQCFIF *Parameter* field value was not valid, or specifies a parameter that cannot be filtered, or that is also specified as a parameter to select a subset of objects.

**Programmer response**

Specify a valid parameter identifier.

**3244 (0CAC) (RC3244):  
MQRCCF\_CFSF\_FILTER\_VAL\_LEN\_ERR**

**Explanation**

Filter value length not valid.

The MQCFSF *FilterValueLength* field value was not valid.

**Programmer response**

Specify a valid length.

**3245 (0CAD) (RC3245): MQRCCF\_CFSF\_LENGTH\_ERROR**

**Explanation**

Structure length not valid.

The MQCFSF *StrucLength* field value was not valid.

**Programmer response**

Specify a valid structure length.

**3246 (0CAE) (RC3246): MQRCCF\_CFSF\_OPERATOR\_ERROR**

**Explanation**

Parameter count not valid.

The MQCFSF *Operator* field value was not valid.

**Programmer response**

Specify a valid operator value.

**3247 (0CAF) (RC3247): MQRCCF\_CFSF\_PARM\_ID\_ERROR**

**Explanation**

Parameter identifier is not valid.

The MQCFSF *Parameter* field value was not valid.

### **Programmer response**

Specify a valid parameter identifier.

## **3248 (0CB0) (RC3248): MQRCCF\_TOO\_MANY\_FILTERS**

### **Explanation**

Too many filters.

The command contained more than the maximum permitted number of filter structures.

### **Programmer response**

Specify the command correctly.

## **3249 (0CB1) (RC3249): MQRCCF\_LISTENER\_RUNNING**

### **Explanation**

Listener is running.

An attempt was made to perform an operation on a listener, but it is currently active.

### **Programmer response**

Stop the listener if required.

## **3250 (0CB2) (RC3250): MQRCCF\_LSTR\_STATUS\_NOT\_FOUND**

### **Explanation**

Listener status not found.

For Inquire Listener Status, no listener status is available for the specified listener. This may indicate that the listener has not been used.

### **Programmer response**

None, unless this is unexpected, in which case consult your systems administrator.

## **3251 (0CB3) (RC3251): MQRCCF\_SERVICE\_RUNNING**

### **Explanation**

Service is running.

An attempt was made to perform an operation on a service, but it is currently active.

### **Programmer response**

Stop the service if required.

## **3252 (0CB4) (RC3252): MQRCCF\_SERV\_STATUS\_NOT\_FOUND**

### **Explanation**

Service status not found.

For Inquire Service Status, no service status is available for the specified service. This may indicate that the service has not been used.

### **Programmer response**

None, unless this is unexpected, in which case consult your systems administrator.

## **3253 (0CB5) (RC3253): MQRCCF\_SERVICE\_STOPPED**

### **Explanation**

Service is stopped.

An attempt was made to stop a service, but it is not active or already stopping.

## **3254 (0CB6) (RC3254): MQRCCF\_CFBS\_DUPLICATE\_PARM**

### **Explanation**

Duplicate parameter.

Two MQCFBS structures with the same parameter identifier were present.

### **Programmer response**

Check for and remove duplicate parameters.

## **3255 (0CB7) (RC3255): MQRCCF\_CFBS\_LENGTH\_ERROR**

### **Explanation**

Structure length not valid.

The MQCFBS *StrucLength* field value was not valid.

### **Programmer response**

Specify a valid structure length.

## **3256 (0CB8) (RC3256): MQRCCF\_CFBS\_PARM\_ID\_ERROR**

### **Explanation**

Parameter identifier is not valid.

The MQCFBS *Parameter* field value was not valid.

### **Programmer response**

Specify a valid parameter identifier.

## **3257 (0CB9) (RC3257): MQRCCF\_CFBS\_STRING\_LENGTH\_ERR**

### **Explanation**

String length not valid.

The MQCFBS *StringLength* field value was not valid. The value was negative or greater than the maximum permitted length of the parameter specified in the *Parameter* field.

### **Programmer response**

Specify a valid string length for the parameter.

## **3258 (0CBA) (RC3258): MQRCCF\_CFGR\_LENGTH\_ERROR**

### **Explanation**

Structure length not valid.

The MQCFGR *StrucLength* field value was not valid.

### **Programmer response**

Specify a valid structure length.

## **3259 (0CBB) (RC3259): MQRCCF\_CFGR\_PARM\_COUNT\_ERROR**

### **Explanation**

Parameter count not valid.

The MQCFGR *ParameterCount* field value was not valid. The value was negative or greater than the maximum permitted for the parameter identifier specified in the *Parameter* field.

### **Programmer response**

Specify a valid count for the parameter.

## **3260 (0CBC) (RC3260): MQRCCF\_CONN\_NOT\_STOPPED**

### **Explanation**

Connection not stopped.

The Stop Connection command could not be executed, so the connection was not stopped.

## **3261 (0CBD) (RC3261): MQRCCF\_SERVICE\_REQUEST\_PENDING**

### **Explanation**

A Suspend or Resume Queue Manager command was issued, or a Refresh Security command, but such a command is currently in progress.

### **Programmer response**

Wait until the current request completes, then reissue the command if necessary.

## **3262 (0CBE) (RC3262): MQRCCF\_NO\_START\_CMD**

### **Explanation**

No start command.

The service cannot be started because no start command is specified in the service definition.

### **Programmer response**

Correct the definition of the service.

## **3263 (0CBF) (RC3263): MQRCCF\_NO\_STOP\_CMD**

### **Explanation**

No stop command.

The service cannot be stopped because no stop command is specified in the service definition.

### **Programmer response**

Correct the definition of the service.

## **3264 (0CC0) (RC3264): MQRCCF\_CFBF\_LENGTH\_ERROR**

### **Explanation**

Structure length not valid.

The MQCFBF *StrucLength* field value was not valid.

### **Programmer response**

Specify a valid structure length.

### **3265 (0CC1) (RC3265): MQRCCF\_CFBF\_PARM\_ID\_ERROR**

#### **Explanation**

Parameter identifier is not valid.

The MQRCCF *Parameter* field value was not valid.

#### **Programmer response**

Specify a valid parameter identifier.

### **3266 (0CC2) (RC3266): MQRCCF\_CFBF\_FILTER\_VAL\_LEN\_ERR**

#### **Explanation**

Filter value length not valid.

The MQRCCF *FilterValueLength* field value was not valid.

#### **Programmer response**

Specify a valid length.

### **3267 (0CC3) (RC3267): MQRCCF\_CFBF\_OPERATOR\_ERROR**

#### **Explanation**

Parameter count not valid.

The MQRCCF *Operator* field value was not valid.

#### **Programmer response**

Specify a valid operator value.

### **3268 (0CC4) (RC3268): MQRCCF\_LISTENER\_STILL\_ACTIVE**

#### **Explanation**

Listener still active.

An attempt was made to stop a listener, but it failed and the listener is still active. For example, the listener may still have active channels.

#### **Programmer response**

Wait for the active connections to the listener to complete before retrying the request.

**3300 (0CE4) (RC3300):  
MQRCCF\_TOPICSTR\_ALREADY\_EXISTS**

Explanation

Programmer response

**3301 (0CE5) (RC3301): MQRCCF\_SHARING\_CONVS\_ERROR**

Explanation

Programmer response

**3302 (0CE6) (RC3302): MQRCCF\_SHARING\_CONVS\_TYPE**

Explanation

Programmer response

**3303 (0CE7) (RC3303): MQRCCF\_SECURITY\_CASE\_CONFLICT**

Explanation

Programmer response

**3305 (0CE9) (RC3305): MQRCCF\_TOPIC\_TYPE\_ERROR**

Explanation

Programmer response

**3306 (0CEA) (RC3306): MQRCCF\_MAX\_INSTANCES\_ERROR**

Explanation

Programmer response

**3307 (0CEB) (RC3307):  
MQRCCF\_MAX\_INSTS\_PER\_CLNT\_ERR**

Explanation

Programmer response

**3308 (0CEC) (RC3308):  
MQRCCF\_TOPIC\_STRING\_NOT\_FOUND**

Explanation

Programmer response

**3309 (0CED) (RC3309): MQRCCF\_SUBSCRIPTION\_POINT\_ERR**



**Explanation**

**Programmer response**

**3317 (0CF5) (RC3317): MQRCCF\_INVALID\_DESTINATION**

**Explanation**

**Programmer response**

**4001 (0FA1) (RC4001): MQRCCF\_OBJECT\_ALREADY\_EXISTS**

**Explanation**

Object already exists.

An attempt was made to create an object, but the object already existed and the *Replace* parameter was not specified as *MQRP\_YES*.

**Programmer response**

Specify *Replace* as *MQRP\_YES*, or use a different name for the object to be created.

**4002 (0FA2) (RC4002): MQRCCF\_OBJECT\_WRONG\_TYPE**

**Explanation**

Object has wrong type or disposition.

An object already exists with the same name but a different subtype or disposition from that specified by the command.

**Programmer response**

Ensure that the specified object is the same subtype and disposition.

**4003 (0FA3) (RC4003):  
MQRCCF\_LIKE\_OBJECT\_WRONG\_TYPE**

**Explanation**

New and existing objects have different subtype.

An attempt was made to create an object based on the definition of an existing object, but the new and existing objects had different subtypes.

**Programmer response**

Ensure that the new object has the same subtype as the one on which it is based.

## 4004 (0FA4) (RC4004): MQRCCF\_OBJECT\_OPEN

### Explanation

Object is open.

An attempt was made to operate on an object that was in use.

### Programmer response

Wait until the object is not in use, and then retry the operation. Alternatively specify *Force* as MQFC\_YES for a change command.

## 4005 (0FA5) (RC4005): MQRCCF\_ATTR\_VALUE\_ERROR

### Explanation

Attribute value not valid or repeated.

One or more of the attribute values specified was not valid or was repeated. The error response message contains the failing attribute selectors (with parameter identifier MQIACF\_PARAMETER\_ID).

### Programmer response

Specify the attribute values correctly.

## 4006 (0FA6) (RC4006): MQRCCF\_UNKNOWN\_Q\_MGR

### Explanation

Queue manager not known.

The queue manager specified was not known.

### Programmer response

Specify the name of the queue manager to which the command is sent, or blank.

## 4007 (0FA7) (RC4007): MQRCCF\_Q\_WRONG\_TYPE

### Explanation

Action not valid for the queue of specified type.

An attempt was made to perform an action on a queue of the wrong type.

### Programmer response

Specify a queue of the correct type.

## 4008 (0FA8) (RC4008): MQRCCF\_OBJECT\_NAME\_ERROR

### Explanation

Name not valid.

An object or other name name was specified using characters that were not valid.

### Programmer response

Specify only valid characters for the name.

## 4009 (0FA9) (RC4009): MQRCCF\_ALLOCATE\_FAILED

### Explanation

Allocation failed.

An attempt to allocate a conversation to a remote system failed. The error may be due to an entry in the channel definition that is not valid, or it might be that the listening program at the remote system is not running.

### Programmer response

Ensure that the channel definition is correct, and start the listening program if necessary. If the error persists, consult your systems administrator.

## 4010 (0FAA) (RC4010): MQRCCF\_HOST\_NOT\_AVAILABLE

### Explanation

Remote system not available.

An attempt to allocate a conversation to a remote system was unsuccessful. The error might be transitory, and the allocate might succeed later. This reason can occur if the listening program at the remote system is not running.

### Programmer response

Ensure that the listening program is running, and retry the operation.

## 4011 (0FAB) (RC4011): MQRCCF\_CONFIGURATION\_ERROR

### Explanation

Configuration error.

There was a configuration error in the channel definition or communication subsystem, and allocation of a conversation was not possible. This might be caused by one of the following:

- For LU 6.2, either the *ModeName* or the *TpName* is incorrect. The *ModeName* must match that on the remote system, and the *TpName* must be specified. (On i5/OS, these are held in the communications Side Object.)
- For LU 6.2, the session might not be established.

- For TCP, the *ConnectionName* in the channel definition cannot be resolved to a network address. This might be because the name has not been correctly specified, or because the name server is not available.
- The requested communications protocol might not be supported on the platform.

### **Programmer response**

Identify the error and take appropriate action.

## **4012 (0FAC) (RC4012): MQRCCF\_CONNECTION\_REFUSED**

### **Explanation**

Connection refused.

The attempt to establish a connection to a remote system was rejected. The remote system might not be configured to allow a connection from this system.

- For LU 6.2 either the user ID or the password supplied to the remote system is incorrect.
- For TCP the remote system might not recognize the local system as valid, or the TCP listener program might not be started.

### **Programmer response**

Correct the error or restart the listener program.

## **4013 (0FAD) (RC4013): MQRCCF\_ENTRY\_ERROR**

### **Explanation**

Connection name not valid.

The connection name in the channel definition could not be resolved into a network address. Either the name server does not contain the entry, or the name server was not available.

### **Programmer response**

Ensure that the connection name is correctly specified and that the name server is available.

## **4014 (0FAE) (RC4014): MQRCCF\_SEND\_FAILED**

### **Explanation**

Send failed.

An error occurred while sending data to a remote system. This might be caused by a communications failure.

### **Programmer response**

Consult your systems administrator.

## **4015 (0FAF) (RC4015): MQRCCF\_RECEIVED\_DATA\_ERROR**

### **Explanation**

Received data error.

An error occurred while receiving data from a remote system. This might be caused by a communications failure.

### **Programmer response**

Consult your systems administrator.

## **4016 (0FB0) (RC4016): MQRCCF\_RECEIVE\_FAILED**

### **Explanation**

Receive failed.

The receive operation failed.

### **Programmer response**

Correct the error and retry the operation.

## **4017 (0FB1) (RC4017): MQRCCF\_CONNECTION\_CLOSED**

### **Explanation**

Connection closed.

An error occurred while receiving data from a remote system. The connection to the remote system has unexpectedly terminated.

### **Programmer response**

Contact your systems administrator.

## **4018 (0FB2) (RC4018): MQRCCF\_NO\_STORAGE**

### **Explanation**

Not enough storage available.

Insufficient storage is available.

### **Programmer response**

Consult your systems administrator.

## **4019 (0FB3) (RC4019): MQRCCF\_NO\_COMMS\_MANAGER**

### **Explanation**

Communications manager not available.

The communications subsystem is not available.

### **Programmer response**

Ensure that the communications subsystem has been started.

## **4020 (0FB4) (RC4020): MQRCCF\_LISTENER\_NOT\_STARTED**

### **Explanation**

Listener not started.

The listener program could not be started. Either the communications subsystem has not been started, or the number of current channels using the communications subsystem is the maximum allowed, or there are too many jobs waiting in the queue.

### **Programmer response**

Ensure the communications subsystem is started or retry the operation later. Increase the number of current channels allowed, if appropriate.

## **4024 (0FB8) (RC4024): MQRCCF\_BIND\_FAILED**

### **Explanation**

Bind failed.

The bind to a remote system during session negotiation has failed.

### **Programmer response**

Consult your systems administrator.

## **4025 (0FB9) (RC4025): MQRCCF\_CHANNEL\_INDOUBT**

### **Explanation**

Channel in-doubt.

The requested operation cannot complete because the channel is in doubt.

### **Programmer response**

Examine the status of the channel, and either restart a channel to resolve the in-doubt state, or resolve the channel.

## **4026 (0FBA) (RC4026): MQRCCF\_MQCONN\_FAILED**

### **Explanation**

MQCONN call failed.

### **Programmer response**

Check whether the queue manager is active.

## **4027 (0FBB) (RC4027): MQRCCF\_MQOPEN\_FAILED**

### **Explanation**

MQOPEN call failed.

### **Programmer response**

Check whether the queue manager is active, and the queues involved are correctly set up.

## **4028 (0FBC) (RC4028): MQRCCF\_MQGET\_FAILED**

### **Explanation**

MQGET call failed.

### **Programmer response**

Check whether the queue manager is active, and the queues involved are correctly set up, and enabled for MQGET.

## **4029 (0FBD) (RC4029): MQRCCF\_MQPUT\_FAILED**

### **Explanation**

MQPUT call failed.

### **Programmer response**

Check whether the queue manager is active, and the queues involved are correctly set up, and not inhibited for puts.

## **4030 (0FBE) (RC4030): MQRCCF\_PING\_ERROR**

### **Explanation**

Ping error.

A ping operation can only be issued for a sender or server channel. If the local channel is a receiver channel, you must issue the ping from a remote queue manager.

### **Programmer response**

Reissue the ping request for a different channel of the correct type, or for a receiver channel from a different queue manager.

## **4031 (0FBF) (RC4031): MQRCCF\_CHANNEL\_IN\_USE**

### **Explanation**

Channel in use.

An attempt was made to perform an operation on a channel, but the channel is currently active.

### **Programmer response**

Stop the channel or wait for it to terminate.

## **4032 (0FC0) (RC4032): MQRCCF\_CHANNEL\_NOT\_FOUND**

### **Explanation**

Channel not found.

The channel specified does not exist.

### **Programmer response**

Specify the name of a channel which exists.

## **4033 (0FC1) (RC4033): MQRCCF\_UNKNOWN\_REMOTE\_CHANNEL**

### **Explanation**

Remote channel not known.

There is no definition of the referenced channel at the remote system.

### **Programmer response**

Ensure that the local channel is correctly defined. If it is, add an appropriate channel definition at the remote system.

## **4034 (0FC2) (RC4034): MQRCCF\_REMOTE\_QM\_UNAVAILABLE**

### **Explanation**

Remote queue manager not available.

The channel cannot be started because the remote queue manager is not available.



### **Programmer response**

Start the remote queue manager.

## **4035 (0FC3) (RC4035): MQRCCF\_REMOTE\_QM\_TERMINATING**

### **Explanation**

Remote queue manager terminating.

The channel is ending because the remote queue manager is terminating.

### **Programmer response**

Restart the remote queue manager.

## **4036 (0FC4) (RC4036): MQRCCF\_MQINQ\_FAILED**

### **Explanation**

MQINQ call failed.

### **Programmer response**

Check whether the queue manager is active.

## **4037 (0FC5) (RC4037): MQRCCF\_NOT\_XMIT\_Q**

### **Explanation**

Queue is not a transmission queue.

The queue specified in the channel definition is not a transmission queue, or is in use.

### **Programmer response**

Ensure that the queue is specified correctly in the channel definition, and that it is correctly defined to the queue manager.

## **4038 (0FC6) (RC4038): MQRCCF\_CHANNEL\_DISABLED**

### **Explanation**

Channel disabled.

An attempt was made to use a channel, but the channel was disabled (that is, stopped).

### **Programmer response**

Start the channel.

**4039 (0FC7) (RC4039):  
MQRCCF\_USER\_EXIT\_NOT\_AVAILABLE**

**Explanation**

User exit not available.

The channel was terminated because the user exit specified does not exist.

**Programmer response**

Ensure that the user exit is correctly specified and the program is available.

**4040 (0FC8) (RC4040): MQRCCF\_COMMIT\_FAILED**

**Explanation**

Commit failed.

An error was received when an attempt was made to commit a unit of work.

**Programmer response**

Consult your systems administrator.

**4041 (0FC9) (RC4041): MQRCCF\_WRONG\_CHANNEL\_TYPE**

**Explanation**

Parameter not allowed for this channel type.

The parameter is not allowed for the type of channel being created, copied, or changed. Refer to the description of the parameter in error to determine the types of channel for which the parameter is valid

**Programmer response**

Remove the parameter.

**4042 (0FCA) (RC4042):  
MQRCCF\_CHANNEL\_ALREADY\_EXISTS**

**Explanation**

Channel already exists.

An attempt was made to create a channel but the channel already existed and *Replace* was not specified as MQRP\_YES.

**Programmer response**

Specify *Replace* as MQRP\_YES or use a different name for the channel to be created.

## 4043 (0FCB) (RC4043): MQRCCF\_DATA\_TOO\_LARGE

### Explanation

Data too large.

The data to be sent exceeds the maximum that can be supported for the command.

### Programmer response

Reduce the size of the data.

## 4044 (0FCC) (RC4044): MQRCCF\_CHANNEL\_NAME\_ERROR

### Explanation

Channel name error.

The *ChannelName* parameter contained characters that are not allowed for channel names.

### Programmer response

Specify a valid name.

## 4045 (0FCD) (RC4045): MQRCCF\_XMIT\_Q\_NAME\_ERROR

### Explanation

Transmission queue name error.

The *XmitQName* parameter contains characters that are not allowed for queue names. This reason code also occurs if the parameter is not present when a sender or server channel is being created, and no default value is available.

### Programmer response

Specify a valid name, or add the parameter.

## 4047 (0FCF) (RC4047): MQRCCF\_MCA\_NAME\_ERROR

### Explanation

Message channel agent name error.

The *MCAName* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4048 (0FD0) (RC4048): MQRCCF\_SEND\_EXIT\_NAME\_ERROR

### Explanation

Channel send exit name error.

The *SendExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4049 (0FD1) (RC4049): MQRCCF\_SEC\_EXIT\_NAME\_ERROR

### Explanation

Channel security exit name error.

The *SecurityExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4050 (0FD2) (RC4050): MQRCCF\_MSG\_EXIT\_NAME\_ERROR

### Explanation

Channel message exit name error.

The *MsgExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4051 (0FD3) (RC4051): MQRCCF\_RCV\_EXIT\_NAME\_ERROR

### Explanation

Channel receive exit name error.

The *ReceiveExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

**4052 (0FD4) (RC4052):  
MQRCCF\_XMIT\_Q\_NAME\_WRONG\_TYPE**

**Explanation**

Transmission queue name not allowed for this channel type.

The *XmitQName* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4053 (0FD5) (RC4053): MQRCCF\_MCA\_NAME\_WRONG\_TYPE**

**Explanation**

Message channel agent name not allowed for this channel type.

The *MCAName* parameter is only allowed for sender, server or requester channel types.

**Programmer response**

Remove the parameter.

**4054 (0FD6) (RC4054): MQRCCF\_DISC\_INT\_WRONG\_TYPE**

**Explanation**

Disconnection interval not allowed for this channel type.

The *DiscInterval* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4055 (0FD7) (RC4055):  
MQRCCF\_SHORT\_RETRY\_WRONG\_TYPE**

**Explanation**

Short retry parameter not allowed for this channel type.

The *ShortRetryCount* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4056 (0FD8) (RC4056):  
MQRCCF\_SHORT\_TIMER\_WRONG\_TYPE**

**Explanation**

Short timer parameter not allowed for this channel type.

The *ShortRetryInterval* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4057 (0FD9) (RC4057):  
MQRCCF\_LONG\_RETRY\_WRONG\_TYPE**

**Explanation**

Long retry parameter not allowed for this channel type.

The *LongRetryCount* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4058 (0FDA) (RC4058):  
MQRCCF\_LONG\_TIMER\_WRONG\_TYPE**

**Explanation**

Long timer parameter not allowed for this channel type.

The *LongRetryInterval* parameter is only allowed for sender or server channel types.

**Programmer response**

Remove the parameter.

**4059 (0FDB) (RC4059): MQRCCF\_PUT\_AUTH\_WRONG\_TYPE**

**Explanation**

Put authority parameter not allowed for this channel type.

The *PutAuthority* parameter is only allowed for receiver or requester channel types.

**Programmer response**

Remove the parameter.

## 4061 (0FDD) (RC4061): MQRCCF\_MISSING\_CONN\_NAME

### Explanation

Connection name parameter required but missing.

The *ConnectionName* parameter is required for sender or requester channel types, but is not present.

### Programmer response

Add the parameter.

## 4062 (0FDE) (RC4062): MQRCCF\_CONN\_NAME\_ERROR

### Explanation

Error in connection name parameter.

The *ConnectionName* parameter contains one or more blanks at the start of the name.

### Programmer response

Specify a valid connection name.

## 4063 (0FDF) (RC4063): MQRCCF\_MQSET\_FAILED

### Explanation

MQSET call failed.

### Programmer response

Check whether the queue manager is active.

## 4064 (0FE0) (RC4064): MQRCCF\_CHANNEL\_NOT\_ACTIVE

### Explanation

Channel not active.

An attempt was made to stop a channel, but the channel was already stopped.

### Programmer response

No action is required.

## 4065 (0FE1) (RC4065): MQRCCF\_TERMINATED\_BY\_SEC\_EXIT

### Explanation

Channel terminated by security exit.

A channel security exit terminated the channel.

### Programmer response

Check that the channel is attempting to connect to the correct queue manager, and if so that the security exit is specified correctly, and is working correctly, at both ends.

## 4067 (0FE3) (RC4067): MQRCCF\_DYNAMIC\_Q\_SCOPE\_ERROR

### Explanation

Dynamic queue scope error.

The *Scope* attribute of the queue is to be MQSCO\_CELL, but this is not allowed for a dynamic queue.

### Programmer response

Predefine the queue if it is to have cell scope.

## 4068 (0FE4) (RC4068): MQRCCF\_CELL\_DIR\_NOT\_AVAILABLE

### Explanation

Cell directory is not available.

The *Scope* attribute of the queue is to be MQSCO\_CELL, but no name service supporting a cell directory has been configured.

### Programmer response

Configure the queue manager with a suitable name service.

## 4069 (0FE5) (RC4069): MQRCCF\_MR\_COUNT\_ERROR

### Explanation

Message retry count not valid.

The *MsgRetryCount* value was not valid.

### Programmer response

Specify a value in the range 0-999 999 999.



## 4070 (0FE6) (RC4070): MQRCCF\_MR\_COUNT\_WRONG\_TYPE

### Explanation

Message-retry count parameter not allowed for this channel type.

The *MsgRetryCount* parameter is allowed only for receiver and requester channels.

### Programmer response

Remove the parameter.

## 4071 (0FE7) (RC4071): MQRCCF\_MR\_EXIT\_NAME\_ERROR

### Explanation

Channel message-retry exit name error.

The *MsgRetryExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4072 (0FE8) (RC4072): MQRCCF\_MR\_EXIT\_NAME\_WRONG\_TYPE

### Explanation

Message-retry exit parameter not allowed for this channel type.

The *MsgRetryExit* parameter is allowed only for receiver and requester channels.

### Programmer response

Remove the parameter.

## 4073 (0FE9) (RC4073): MQRCCF\_MR\_INTERVAL\_ERROR

### Explanation

Message retry interval not valid.

The *MsgRetryInterval* value was not valid.

### Programmer response

Specify a value in the range 0-999 999 999.

## **4074 (0FEA) (RC4074): MQRCCF\_MR\_INTERVAL\_WRONG\_TYPE**

### **Explanation**

Message-retry interval parameter not allowed for this channel type.

The *MsgRetryInterval* parameter is allowed only for receiver and requester channels.

### **Programmer response**

Remove the parameter.

## **4075 (0FEB) (RC4075): MQRCCF\_NPM\_SPEED\_ERROR**

### **Explanation**

Nonpersistent message speed not valid.

The *NonPersistentMsgSpeed* value was not valid.

### **Programmer response**

Specify MQNPMS\_NORMAL or MQNPMS\_FAST.

## **4076 (0FEC) (RC4076): MQRCCF\_NPM\_SPEED\_WRONG\_TYPE**

### **Explanation**

Nonpersistent message speed parameter not allowed for this channel type.

The *NonPersistentMsgSpeed* parameter is allowed only for sender, receiver, server, requester, cluster sender, and cluster receiver channels.

### **Programmer response**

Remove the parameter.

## **4077 (0FED) (RC4077): MQRCCF\_HB\_INTERVAL\_ERROR**

### **Explanation**

Heartbeat interval not valid.

The *HeartbeatInterval* value was not valid.

### **Programmer response**

Specify a value in the range 0-999 999.

## **4078 (0FEE) (RC4078): MQRCCF\_HB\_INTERVAL\_WRONG\_TYPE**

### **Explanation**

Heartbeat interval parameter not allowed for this channel type.

The *HeartbeatInterval* parameter is allowed only for receiver and requester channels.

### **Programmer response**

Remove the parameter.

## **4079 (0FEF) (RC4079): MQRCCF\_CHAD\_ERROR**

### **Explanation**

Channel automatic definition error.

The *ChannelAutoDef* value was not valid.

### **Programmer response**

Specify MQCHAD\_ENABLED or MQCHAD\_DISABLED.

## **4080 (0FF0) (RC4080): MQRCCF\_CHAD\_WRONG\_TYPE**

### **Explanation**

Channel automatic definition parameter not allowed for this channel type.

The *ChannelAutoDef* parameter is allowed only for receiver and server-connection channels.

### **Programmer response**

Remove the parameter.

## **4081 (0FF1) (RC4081): MQRCCF\_CHAD\_EVENT\_ERROR**

### **Explanation**

Channel automatic definition event error.

The *ChannelAutoDefEvent* value was not valid.

### **Programmer response**

Specify MQEVR\_ENABLED or MQEVR\_DISABLED.

## 4082 (0FF2) (RC4082): MQRCCF\_CHAD\_EVENT\_WRONG\_TYPE

### Explanation

Channel automatic definition event parameter not allowed for this channel type.

The *ChannelAutoDefEvent* parameter is allowed only for receiver and server-connection channels.

### Programmer response

Remove the parameter.

## 4083 (0FF3) (RC4083): MQRCCF\_CHAD\_EXIT\_ERROR

### Explanation

Channel automatic definition exit name error.

The *ChannelAutoDefExit* value contained characters that are not allowed for program names on the platform in question.

### Programmer response

Specify a valid name.

## 4084 (0FF4) (RC4084): MQRCCF\_CHAD\_EXIT\_WRONG\_TYPE

### Explanation

Channel automatic definition exit parameter not allowed for this channel type.

The *ChannelAutoDefExit* parameter is allowed only for receiver and server-connection channels.

### Programmer response

Remove the parameter.

## 4085 (0FF5) (RC4085): MQRCCF\_SUPPRESSED\_BY\_EXIT

### Explanation

Action suppressed by exit program.

An attempt was made to define a channel automatically, but this was inhibited by the channel automatic definition exit. The *AuxErrorDataInt1* parameter contains the feedback code from the exit indicating why it inhibited the channel definition.

### Programmer response

Examine the value of the *AuxErrorDataInt1* parameter, and take any action that is appropriate.

## **4086 (0FF6) (RC4086): MQRCCF\_BATCH\_INT\_ERROR**

### **Explanation**

Batch interval not valid.

The batch interval specified was not valid.

### **Programmer response**

Specify a valid batch interval value.

## **4087 (0FF7) (RC4087): MQRCCF\_BATCH\_INT\_WRONG\_TYPE**

### **Explanation**

Batch interval parameter not allowed for this channel type.

The *BatchInterval* parameter is allowed only for sender and server channels.

### **Programmer response**

Remove the parameter.

## **4088 (0FF8) (RC4088): MQRCCF\_NET\_PRIORITY\_ERROR**

### **Explanation**

Network priority value is not valid.

### **Programmer response**

Specify a valid value.

## **4089 (0FF9) (RC4089): MQRCCF\_NET\_PRIORITY\_WRONG\_TYPE**

### **Explanation**

Network priority parameter not allowed for this channel type.

The *NetworkPriority* parameter is allowed for sender and server channels only.

### **Programmer response**

Remove the parameter.

## **4090 (0FFA) (RC4090): MQRCCF\_CHANNEL\_CLOSED**

### **Explanation**

Channel closed.

The channel was closed prematurely. This can occur because a user stopped the channel while it was running, or a channel exit decided to close the channel.

**Programmer response**

Determine the reason that the channel was closed prematurely. Restart the channel if required.

**4092 (0FFC) (RC4092): MQRCCF\_SSL\_CIPHER\_SPEC\_ERROR**

**Explanation**

SSL cipher specification not valid.

The *SSLCipherSpec* specified is not valid.

**Programmer response**

Specify a valid cipher specification.

**4093 (0FFD) (RC4093): MQRCCF\_SSL\_PEER\_NAME\_ERROR**

**Explanation**

SSL peer name not valid.

The *SSLPeerName* specified is not valid.

**Programmer response**

Specify a valid peer name.

**4094 (0FFE) (RC4094): MQRCCF\_SSL\_CLIENT\_AUTH\_ERROR**

**Explanation**

SSL client authentication not valid.

The *SSLClientAuth* specified is not valid.

**Programmer response**

Specify a valid client authentication.

**4095 (0FFF) (RC4095):  
MQRCCF\_RETAINED\_NOT\_SUPPORTED**

**Explanation**

Retained messages used on restricted stream.

An attempt has been made to use retained messages on a publish/subscribe stream defined to be restricted to JMS usage. JMS does not support the concept of retained messages and the request is rejected.

## Programmer response

Either modify the application not to use retained messages, or modify the broker *JmsStreamPrefix* configuration parameter so that this stream is not treated as a JMS stream.

## Reason code cross reference

The following is a list of reason codes, in alphabetic order, cross referenced to the full description in numeric order.

3091 (X'0C13')	MQRCCF_ACTION_VALUE_ERROR
3166 (X'0C5E')	MQRCCF_ALLOC_FAST_TIMER_ERROR
3164 (X'0C5C')	MQRCCF_ALLOC_RETRY_ERROR
3165 (X'0C5D')	MQRCCF_ALLOC_SLOW_TIMER_ERROR
4009 (X'0FA9')	MQRCCF_ALLOCATE_FAILED
3157 (X'0C55')	MQRCCF_ALREADY_JOINED
4005 (X'0FA5')	MQRCCF_ATTR_VALUE_ERROR
3213 (X'0C8D')	MQRCCF_ATTR_VALUE_FIXED
3171 (X'0C63')	MQRCCF_AUTH_VALUE_ERROR
3172 (X'0C64')	MQRCCF_AUTH_VALUE_MISSING
4086 (X'0FF6')	MQRCCF_BATCH_INT_ERROR
4087 (X'0FF7')	MQRCCF_BATCH_INT_WRONG_TYPE
3037 (X'0BDD')	MQRCCF_BATCH_SIZE_ERROR
4024 (X'0FB8')	MQRCCF_BIND_FAILED
3094 (X'0C16')	MQRCCF_BROKER_COMMAND_FAILED
3070 (X'0BFE')	MQRCCF_BROKER_DELETED
3049 (X'0BE9')	MQRCCF_CCSID_ERROR
4068 (X'0FE4')	MQRCCF_CELL_DIR_NOT_AVAILABLE
3236 (X'0CA4')	MQRCCF_CF_STRUC_ERROR
3266 (X'0CC2')	MQRCCF_CFBF_FILTER_VAL_LEN_ERR
3264 (X'0CC0')	MQRCCF_CFBF_LENGTH_ERROR
3267 (X'0CC3')	MQRCCF_CFBF_OPERATOR_ERROR
3265 (X'0CC1')	MQRCCF_CFBF_PARM_ID_ERROR

3254 (X'0CB6')  
     MQRCCF\_CFBS\_DUPLICATE\_PARM  
 3255 (X'0CB7')  
     MQRCCF\_CFBS\_LENGTH\_ERROR  
 3256 (X'0CB8')  
     MQRCCF\_CFBS\_PARM\_ID\_ERROR  
 3257 (X'0CB9')  
     MQRCCF\_CFBS\_STRING\_LENGTH\_ERR  
 3258 (X'0CBA')  
     MQRCCF\_CFGR\_LENGTH\_ERROR  
 3259 (X'0CBB')  
     MQRCCF\_CFGR\_PARM\_COUNT\_ERROR  
 3240 (X'0CA8')  
     MQRCCF\_CFGR\_PARM\_ID\_ERROR  
 3007 (X'0BBF')  
     MQRCCF\_CFH\_COMMAND\_ERROR  
 3005 (X'0BBD')  
     MQRCCF\_CFH\_CONTROL\_ERROR  
 3002 (X'0BBA')  
     MQRCCF\_CFH\_LENGTH\_ERROR  
 3004 (X'0BBC')  
     MQRCCF\_CFH\_MSG\_SEQ\_NUMBER\_ERR  
 3006 (X'0BBE')  
     MQRCCF\_CFH\_PARM\_COUNT\_ERROR  
 3001 (X'0BB9')  
     MQRCCF\_CFH\_TYPE\_ERROR  
 3003 (X'0BBB')  
     MQRCCF\_CFH\_VERSION\_ERROR  
 3241 (X'0CA9')  
     MQRCCF\_CFIF\_LENGTH\_ERROR  
 3242 (X'0CAA')  
     MQRCCF\_CFIF\_OPERATOR\_ERROR  
 3243 (X'0CAB')  
     MQRCCF\_CFIF\_PARM\_ID\_ERROR  
 3027 (X'0BD3')  
     MQRCCF\_CFIL\_COUNT\_ERROR  
 3026 (X'0BD2')  
     MQRCCF\_CFIL\_DUPLICATE\_VALUE  
 3028 (X'0BD4')  
     MQRCCF\_CFIL\_LENGTH\_ERROR  
 3047 (X'0BE7')  
     MQRCCF\_CFIL\_PARM\_ID\_ERROR  
 3017 (X'0BC9')  
     MQRCCF\_CFIN\_DUPLICATE\_PARM  
 3009 (X'0BC1')  
     MQRCCF\_CFIN\_LENGTH\_ERROR  
 3014 (X'0BC6')  
     MQRCCF\_CFIN\_PARM\_ID\_ERROR  
 3244 (X'0CAC')  
     MQRCCF\_CFSF\_FILTER\_VAL\_LEN\_ERR  
 3245 (X'0CAD')  
     MQRCCF\_CFSF\_LENGTH\_ERROR  
 3246 (X'0CAE')  
     MQRCCF\_CFSF\_OPERATOR\_ERROR  
 3247 (X'0CAF')  
     MQRCCF\_CFSF\_PARM\_ID\_ERROR



3068 (X'0BFC')  
     MQRCCF\_CFSL\_COUNT\_ERROR  
 3066 (X'0BFA')  
     MQRCCF\_CFSL\_DUPLICATE\_PARM  
 3024 (X'0BD0')  
     MQRCCF\_CFSL\_LENGTH\_ERROR  
 3033 (X'0BD9')  
     MQRCCF\_CFSL\_PARM\_ID\_ERROR  
 3069 (X'0BFD')  
     MQRCCF\_CFSL\_STRING\_LENGTH\_ERR  
 3067 (X'0BFB')  
     MQRCCF\_CFSL\_TOTAL\_LENGTH\_ERROR  
 3095 (X'0C17')  
     MQRCCF\_CFST\_CONFLICTING\_PARM  
 3018 (X'0BCA')  
     MQRCCF\_CFST\_DUPLICATE\_PARM  
 3010 (X'0BC2')  
     MQRCCF\_CFST\_LENGTH\_ERROR  
 3015 (X'0BC7')  
     MQRCCF\_CFST\_PARM\_ID\_ERROR  
 3011 (X'0BC3')  
     MQRCCF\_CFST\_STRING\_LENGTH\_ERR  
 4079 (X'0FEF')  
     MQRCCF\_CHAD\_ERROR  
 4081 (X'0FF1')  
     MQRCCF\_CHAD\_EVENT\_ERROR  
 4082 (X'0FF2')  
     MQRCCF\_CHAD\_EVENT\_WRONG\_TYPE  
 4083 (X'0FF3')  
     MQRCCF\_CHAD\_EXIT\_ERROR  
 4084 (X'0FF4')  
     MQRCCF\_CHAD\_EXIT\_WRONG\_TYPE  
 4080 (X'0FF0')  
     MQRCCF\_CHAD\_WRONG\_TYPE  
 4042 (X'0FCA')  
     MQRCCF\_CHANNEL\_ALREADY\_EXISTS  
 4090 (X'0FFA')  
     MQRCCF\_CHANNEL\_CLOSED  
 4038 (X'0FC6')  
     MQRCCF\_CHANNEL\_DISABLED  
 3235 (X'0CA3')  
     MQRCCF\_CHANNEL\_ERROR  
 4031 (X'0FBF')  
     MQRCCF\_CHANNEL\_IN\_USE  
 4025 (X'0FB9')  
     MQRCCF\_CHANNEL\_INDOUBT  
 3218 (X'0C93')  
     MQRCCF\_CHANNEL\_INITIATOR\_ERROR  
 4044 (X'0FCC')  
     MQRCCF\_CHANNEL\_NAME\_ERROR  
 4064 (X'0FE0')  
     MQRCCF\_CHANNEL\_NOT\_ACTIVE  
 4032 (X'0FC0')  
     MQRCCF\_CHANNEL\_NOT\_FOUND  
 3062 (X'0BF6')  
     MQRCCF\_CHANNEL\_TABLE\_ERROR

3034 (X'0BDA')  
     MQRCCF\_CHANNEL\_TYPE\_ERROR  
 3064 (X'0BF8')  
     MQRCCF\_CHL\_INST\_TYPE\_ERROR  
 3065 (X'0BF9')  
     MQRCCF\_CHL\_STATUS\_NOT\_FOUND  
 3168 (X'0C60')  
     MQRCCF\_CHL\_SYSTEM\_NOT\_ACTIVE  
 3088 (X'0C10')  
     MQRCCF\_CLUSTER\_NAME\_CONFLICT  
 3090 (X'0C12')  
     MQRCCF\_CLUSTER\_Q\_USAGE\_ERROR  
 3008 (X'0BC0')  
     MQRCCF\_COMMAND\_FAILED  
 3204 (X'0C84')  
     MQRCCF\_COMMAND\_INHIBITED  
 3230 (X'0C9E')  
     MQRCCF\_COMMAND\_LENGTH\_ERROR  
 3222 (X'0C96')  
     MQRCCF\_COMMAND\_LEVEL\_CONFLICT  
 3231 (X'0C9F')  
     MQRCCF\_COMMAND\_ORIGIN\_ERROR  
 3226 (X'0C9A')  
     MQRCCF\_COMMAND\_REPLY\_ERROR  
 3225 (X'0C99')  
     MQRCCF\_COMMAND\_SCOPE\_ERROR  
 4040 (X'0FC8')  
     MQRCCF\_COMMIT\_FAILED  
 3092 (X'0C14')  
     MQRCCF\_COMMS\_LIBRARY\_ERROR  
 4011 (X'0FAB')  
     MQRCCF\_CONFIGURATION\_ERROR  
 4062 (X'0FDE')  
     MQRCCF\_CONN\_NAME\_ERROR  
 3260 (X'0CBC')  
     MQRCCF\_CONN\_NOT\_STOPPED  
 4017 (X'0FB1')  
     MQRCCF\_CONNECTION\_CLOSED  
 3174 (X'0C66')  
     MQRCCF\_CONNECTION\_ID\_ERROR  
 4012 (X'0FAC')  
     MQRCCF\_CONNECTION\_REFUSED  
 3080 (X'0C08')  
     MQRCCF\_CORREL\_ID\_ERROR  
 3052 (X'0BEC')  
     MQRCCF\_DATA\_CONV\_VALUE\_ERROR  
 4043 (X'0FCB')  
     MQRCCF\_DATA\_TOO\_LARGE  
 3087 (X'0C0F')  
     MQRCCF\_DEL\_OPTIONS\_ERROR  
 3038 (X'0BDE')  
     MQRCCF\_DISC\_INT\_ERROR  
 4054 (X'0FD6')  
     MQRCCF\_DISC\_INT\_WRONG\_TYPE  
 3163 (X'0C5B')  
     MQRCCF\_DISC\_RETRY\_ERROR

3211 (X'0C8B')  
     MQRCCF\_DISPOSITION\_CONFLICT  
 3078 (X'0C06')  
     MQRCCF\_DUPLICATE\_IDENTITY  
 3152 (X'0C50')  
     MQRCCF\_DUPLICATE\_SUBSCRIPTION  
 4067 (X'0FE3')  
     MQRCCF\_DYNAMIC\_Q\_SCOPE\_ERROR  
 3050 (X'0BEA')  
     MQRCCF\_ENCODING\_ERROR  
 3169 (X'0C61')  
     MQRCCF\_ENTITY\_NAME\_MISSING  
 4013 (X'0FAD')  
     MQRCCF\_ENTRY\_ERROR  
 3054 (X'0BEE')  
     MQRCCF\_ESCAPE\_TYPE\_ERROR  
 3224 (X'0C98')  
     MQRCCF\_EVENTS\_DISABLED  
 3162 (X'0C5A')  
     MQRCCF\_FILE\_NOT\_AVAILABLE  
 3150 (X'0C4E')  
     MQRCCF\_FILTER\_ERROR  
 3012 (X'0BC4')  
     MQRCCF\_FORCE\_VALUE\_ERROR  
 3227 (X'0C9B')  
     MQRCCF\_FUNCTION\_RESTRICTED  
 4077 (X'0FED')  
     MQRCCF\_HB\_INTERVAL\_ERROR  
 4078 (X'0FEE')  
     MQRCCF\_HB\_INTERVAL\_WRONG\_TYPE  
 4010 (X'0FAA')  
     MQRCCF\_HOST\_NOT\_AVAILABLE  
 3079 (X'0C07')  
     MQRCCF\_INCORRECT\_Q  
 3075 (X'0C03')  
     MQRCCF\_INCORRECT\_STREAM  
 3053 (X'0BED')  
     MQRCCF\_INDOUBT\_VALUE\_ERROR  
 4003 (X'0FA3')  
     MQRCCF\_LIKE\_OBJECT\_WRONG\_TYPE  
 3232 (X'0CA0')  
     MQRCCF\_LISTENER\_CONFLICT  
 4020 (X'0FB4')  
     MQRCCF\_LISTENER\_NOT\_STARTED  
 3249 (X'0CB1')  
     MQRCCF\_LISTENER\_RUNNING  
 3233 (X'0CA1')  
     MQRCCF\_LISTENER\_STARTED  
 3268 (X'0CC4')  
     MQRCCF\_LISTENER\_STILL\_ACTIVE  
 3234 (X'0CA2')  
     MQRCCF\_LISTENER\_STOPPED  
 3175 (X'0C67')  
     MQRCCF\_LOG\_TYPE\_ERROR  
 3041 (X'0BE1')  
     MQRCCF\_LONG\_RETRY\_ERROR

4057 (X'0FD9')  
     MQRCCF\_LONG\_RETRY\_WRONG\_TYPE  
 3042 (X'0BE2')  
     MQRCCF\_LONG\_TIMER\_ERROR  
 4058 (X'0FDA')  
     MQRCCF\_LONG\_TIMER\_WRONG\_TYPE  
 3250 (X'0CB2')  
     MQRCCF\_LSTR\_STATUS\_NOT\_FOUND  
 3044 (X'0BE4')  
     MQRCCF\_MAX\_MSG\_LENGTH\_ERROR  
 4047 (X'0FCF')  
     MQRCCF\_MCA\_NAME\_ERROR  
 4053 (X'0FD5')  
     MQRCCF\_MCA\_NAME\_WRONG\_TYPE  
 3063 (X'0BF7')  
     MQRCCF\_MCA\_TYPE\_ERROR  
 3023 (X'0BCF')  
     MQRCCF\_MD\_FORMAT\_ERROR  
 4061 (X'0FDD')  
     MQRCCF\_MISSING\_CONN\_NAME  
 3029 (X'0BD5')  
     MQRCCF\_MODE\_VALUE\_ERROR  
 4026 (X'0FBA')  
     MQRCCF\_MQCONN\_FAILED  
 4028 (X'0FBC')  
     MQRCCF\_MQGET\_FAILED  
 4036 (X'0FC4')  
     MQRCCF\_MQINQ\_FAILED  
 4027 (X'0FBB')  
     MQRCCF\_MQOPEN\_FAILED  
 4029 (X'0FBD')  
     MQRCCF\_MQPUT\_FAILED  
 4063 (X'0FDF')  
     MQRCCF\_MQSET\_FAILED  
 4069 (X'0FE5')  
     MQRCCF\_MR\_COUNT\_ERROR  
 4070 (X'0FE6')  
     MQRCCF\_MR\_COUNT\_WRONG\_TYPE  
 4071 (X'0FE7')  
     MQRCCF\_MR\_EXIT\_NAME\_ERROR  
 4072 (X'0FE8')  
     MQRCCF\_MR\_EXIT\_NAME\_WRONG\_TYPE  
 4073 (X'0FE9')  
     MQRCCF\_MR\_INTERVAL\_ERROR  
 4074 (X'0FEA')  
     MQRCCF\_MR\_INTERVAL\_WRONG\_TYPE  
 4050 (X'0FD2')  
     MQRCCF\_MSG\_EXIT\_NAME\_ERROR  
 3016 (X'0BC8')  
     MQRCCF\_MSG\_LENGTH\_ERROR  
 3030 (X'0BD6')  
     MQRCCF\_MSG\_SEQ\_NUMBER\_ERROR  
 3048 (X'0BE8')  
     MQRCCF\_MSG\_TRUNCATED  
 3215 (X'0C8F')  
     MQRCCF\_NAMELIST\_ERROR

4088 (X'0FF8')  
     MQRCCF\_NET\_PRIORITY\_ERROR  
 4089 (X'0FF9')  
     MQRCCF\_NET\_PRIORITY\_WRONG\_TYPE  
 3093 (X'0C15')  
     MQRCCF\_NETBIOS\_NAME\_ERROR  
 3217 (X'0C91')  
     MQRCCF\_NO\_CHANNEL\_INITIATOR  
 4019 (X'0FB3')  
     MQRCCF\_NO\_COMMS\_MANAGER  
 3077 (X'0C05')  
     MQRCCF\_NO\_RETAINED\_MSG  
 3262 (X'0CBE')  
     MQRCCF\_NO\_START\_CMD  
 3263 (X'0CBF')  
     MQRCCF\_NO\_STOP\_CMD  
 4018 (X'0FB2')  
     MQRCCF\_NO\_STORAGE  
 3239 (X'0CA7')  
     MQRCCF\_NO\_XCF\_PARTNER  
 3200 (X'0C80')  
     MQRCCF\_NONE\_FOUND  
 3081 (X'0C09')  
     MQRCCF\_NOT\_AUTHORIZED  
 3073 (X'0C01')  
     MQRCCF\_NOT\_REGISTERED  
 4037 (X'0FC5')  
     MQRCCF\_NOT\_XMIT\_Q  
 4075 (X'0FEB')  
     MQRCCF\_NPM\_SPEED\_ERROR  
 4076 (X'0FEC')  
     MQRCCF\_NPM\_SPEED\_WRONG\_TYPE  
 4001 (X'0FA1')  
     MQRCCF\_OBJECT\_ALREADY\_EXISTS  
 3205 (X'0C85')  
     MQRCCF\_OBJECT\_BEING\_DELETED  
 3160 (X'0C58')  
     MQRCCF\_OBJECT\_IN\_USE  
 3209 (X'0C89')  
     MQRCCF\_OBJECT\_LIMIT\_EXCEEDED  
 4008 (X'0FA8')  
     MQRCCF\_OBJECT\_NAME\_ERROR  
 3208 (X'0C88')  
     MQRCCF\_OBJECT\_NAME\_RESTRICTED  
 4004 (X'0FA4')  
     MQRCCF\_OBJECT\_OPEN  
 3210 (X'0C8A')  
     MQRCCF\_OBJECT\_OPEN\_FORCE  
 3173 (X'0C65')  
     MQRCCF\_OBJECT\_TYPE\_MISSING  
 4002 (X'0FA2')  
     MQRCCF\_OBJECT\_WRONG\_TYPE  
 3203 (X'0C83')  
     MQRCCF\_PARM\_CONFLICT  
 3020 (X'0BCC')  
     MQRCCF\_PARM\_COUNT\_TOO\_BIG

3019 (X'0BCB')  
     MQRCCF\_PARM\_COUNT\_TOO\_SMALL  
 3228 (X'0C9C')  
     MQRCCF\_PARM\_MISSING  
 3035 (X'0BDB')  
     MQRCCF\_PARM\_SEQUENCE\_ERROR  
 3097 (X'0C19')  
     MQRCCF\_PARM\_SYNTAX\_ERROR  
 3229 (X'0C9D')  
     MQRCCF\_PARM\_VALUE\_ERROR  
 3096 (X'0C18')  
     MQRCCF\_PATH\_NOT\_VALID  
 3032 (X'0BD8')  
     MQRCCF\_PING\_DATA\_COMPARE\_ERROR  
 3031 (X'0BD7')  
     MQRCCF\_PING\_DATA\_COUNT\_ERROR  
 4030 (X'0FBE')  
     MQRCCF\_PING\_ERROR  
 3167 (X'0C5F')  
     MQRCCF\_PORT\_NUMBER\_ERROR  
 3170 (X'0C62')  
     MQRCCF\_PROFILE\_NAME\_ERROR  
 3177 (X'0C69')  
     MQRCCF\_PROGRAM\_AUTH\_FAILED  
 3176 (X'0C68')  
     MQRCCF\_PROGRAM\_NOT\_AVAILABLE  
 3084 (X'0C0C')  
     MQRCCF\_PUB\_OPTIONS\_ERROR  
 3046 (X'0BE6')  
     MQRCCF\_PURGE\_VALUE\_ERROR  
 3045 (X'0BE5')  
     MQRCCF\_PUT\_AUTH\_ERROR  
 4059 (X'0FDB')  
     MQRCCF\_PUT\_AUTH\_WRONG\_TYPE  
 3098 (X'0C1A')  
     MQRCCF\_PWD\_LENGTH\_ERROR  
 3021 (X'0BCD')  
     MQRCCF\_Q\_ALREADY\_IN\_CELL  
 3223 (X'0C97')  
     MQRCCF\_Q\_ATTR\_CONFLICT  
 3086 (X'0C0E')  
     MQRCCF\_Q\_MGR\_CCSID\_ERROR  
 3074 (X'0C02')  
     MQRCCF\_Q\_MGR\_NAME\_ERROR  
 3212 (X'0C8C')  
     MQRCCF\_Q\_MGR\_NOT\_IN\_QSG  
 3076 (X'0C04')  
     MQRCCF\_Q\_NAME\_ERROR  
 3022 (X'0BCE')  
     MQRCCF\_Q\_TYPE\_ERROR  
 4007 (X'0FA7')  
     MQRCCF\_Q\_WRONG\_TYPE  
 3029 (X'0BD5')  
     MQRCCF\_QUIESCE\_VALUE\_ERROR  
 4051 (X'0FD3')  
     MQRCCF\_RCV\_EXIT\_NAME\_ERROR

4016 (X'0FB0')  
     MQRCCF\_RECEIVE\_FAILED  
 4015 (X'0FAF')  
     MQRCCF\_RECEIVED\_DATA\_ERROR  
 3083 (X'0C0B')  
     MQRCCF\_REG\_OPTIONS\_ERROR  
 4035 (X'0FC3')  
     MQRCCF\_REMOTE\_QM\_TERMINATING  
 4034 (X'0FC2')  
     MQRCCF\_REMOTE\_QM\_UNAVAILABLE  
 3025 (X'0BD1')  
     MQRCCF\_REPLACE\_VALUE\_ERROR  
 3089 (X'0C11')  
     MQRCCF\_REPOS\_NAME\_CONFLICT  
 4095 (X'0FFF')  
     MQRCCF\_RETAINED\_NOT\_SUPPORTED  
 4049 (X'0FD1')  
     MQRCCF\_SEC\_EXIT\_NAME\_ERROR  
 3202 (X'0C82')  
     MQRCCF\_SECURITY\_REFRESH\_FAILED  
 3201 (X'0C81')  
     MQRCCF\_SECURITY\_SWITCH\_OFF  
 4048 (X'0FD0')  
     MQRCCF\_SEND\_EXIT\_NAME\_ERROR  
 4014 (X'0FAE')  
     MQRCCF\_SEND\_FAILED  
 3043 (X'0BE3')  
     MQRCCF\_SEQ\_NUMBER\_WRAP\_ERROR  
 3252 (X'0CB4')  
     MQRCCF\_SERV\_STATUS\_NOT\_FOUND  
 3261 (X'0CBD')  
     MQRCCF\_SERVICE\_REQUEST\_PENDING  
 3251 (X'0CB3')  
     MQRCCF\_SERVICE\_RUNNING  
 3253 (X'0CB5')  
     MQRCCF\_SERVICE\_STOPPED  
 3039 (X'0BDF')  
     MQRCCF\_SHORT\_RETRY\_ERROR  
 4055 (X'0FD7')  
     MQRCCF\_SHORT\_RETRY\_WRONG\_TYPE  
 3040 (X'0BE0')  
     MQRCCF\_SHORT\_TIMER\_ERROR  
 4056 (X'0FD8')  
     MQRCCF\_SHORT\_TIMER\_WRONG\_TYPE  
 4092 (X'0FFC')  
     MQRCCF\_SSL\_CIPHER\_SPEC\_ERROR  
 4094 (X'0FFE')  
     MQRCCF\_SSL\_CLIENT\_AUTH\_ERROR  
 4093 (X'0FFD')  
     MQRCCF\_SSL\_PEER\_NAME\_ERROR  
 3207 (X'0C87')  
     MQRCCF\_STORAGE\_CLASS\_IN\_USE  
 3071 (X'0BFF')  
     MQRCCF\_STREAM\_ERROR  
 3013 (X'0BC5')  
     MQRCCF\_STRUCTURE\_TYPE\_ERROR

3154 (X'0C52')  
         MQRCCF\_SUB\_IDENTITY\_ERROR  
 3153 (X'0C51')  
         MQRCCF\_SUB\_NAME\_ERROR  
 3155 (X'0C53')  
         MQRCCF\_SUBSCRIPTION\_IN\_USE  
 3156 (X'0C54')  
         MQRCCF\_SUBSCRIPTION\_LOCKED  
 4085 (X'0FF5')  
         MQRCCF\_SUPPRESSED\_BY\_EXIT  
 4065 (X'0FE1')  
         MQRCCF\_TERMINATED\_BY\_SEC\_EXIT  
 3248 (X'0CB0')  
         MQRCCF\_TOO\_MANY\_FILTERS  
 3072 (X'0C00')  
         MQRCCF\_TOPIC\_ERROR  
 3238 (X'0CA6')  
         MQRCCF\_UNEXPECTED\_ERROR  
 3085 (X'0C0D')  
         MQRCCF\_UNKNOWN\_BROKER  
 3161 (X'0C59')  
         MQRCCF\_UNKNOWN\_FILE\_NAME  
 4006 (X'0FA6')  
         MQRCCF\_UNKNOWN\_Q\_MGR  
 4033 (X'0FC1')  
         MQRCCF\_UNKNOWN\_REMOTE\_CHANNEL  
 3082 (X'0C0A')  
         MQRCCF\_UNKNOWN\_STREAM  
 3237 (X'0CA5')  
         MQRCCF\_UNKNOWN\_USER\_ID  
 4039 (X'0FC7')  
         MQRCCF\_USER\_EXIT\_NOT\_AVAILABLE  
 4041 (X'0FC9')  
         MQRCCF\_WRONG\_CHANNEL\_TYPE  
 3151 (X'0C4F')  
         MQRCCF\_WRONG\_USER  
 3036 (X'0BDC')  
         MQRCCF\_XMIT\_PROTOCOL\_TYPE\_ERR  
 4045 (X'0FCD')  
         MQRCCF\_XMIT\_Q\_NAME\_ERROR  
 4052 (X'0FD4')  
         MQRCCF\_XMIT\_Q\_NAME\_WRONG\_TYPE



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## Chapter 6. WebSphere MQ component identifiers

Table 1. Component identifiers used in WebSphere MQ messages and codes

Component	ID	Hex ID
Batch adapter	B	X'C2'
CICS adapter	C	X'C3'
Coupling Facility manager	E	X'C5'
Message generator	F	X'C6'
Functional recovery manager	G	X'C7'
Security manager	H	X'C8'
Data manager	I	X'C9'
Recovery log manager	J	X'D1'
Lock manager	L	X'D3'
Connection manager	m	X'94'
Message manager	M	X'D4'
Command server	N	X'D5'
Operations and control	O	X'D6'
Buffer manager	P	X'D7'
IMS adapter	Q	X'D8'
Recovery manager	R	X'D9'
Storage manager	S	X'E2'
Timer services	T	X'E3'
Utilities	U	X'E4'
Agent services	V	X'E5'
Instrumentation facilities	W	X'E6'
Distributed queuing	X	X'E7'
Initialization procedures and general services	Y	X'E8'
System parameter manager	Z	X'E9'
Service facilities	1	X'F1'
WebSphere MQ-IMS bridge	2	X'F2'
Subsystem support	3	X'F3'
DB2 manager	5	X'F5'
Generalized command processor	9	X'F9'



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## Chapter 7. Communications protocol return codes

The tables in this appendix document the more common return codes from TCP/IP and APPC/MVS that can be returned in messages from the distributed queuing component:

- “TCP/IP OpenEdition® Sockets return codes”
- “APPC/MVS return codes” on page 1302

If the return code is not listed, or if you want more information, refer to the books mentioned in each section.

If the return code you received is X'7D0' or more, it is one of the MQRC\_\* return codes issued by WebSphere MQ. These codes are listed in API completion and reason codes.

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### TCP/IP OpenEdition® Sockets return codes

See the *OS/390 OpenEdition Messages and Codes* manual for more information and for further return codes.

Table 2. OpenEdition sockets return codes

Return code (Hex)	Explanation
0001	Error in the domain
0002	Result is too large
006F	Permission is denied
0070	The resource is temporarily unavailable
0071	The file descriptor is incorrect
0072	The resource is busy
0073	No child process exists
0074	A resource deadlock is avoided
0075	The file exists
0076	The address is incorrect
0077	The file is too large
0078	A function call is interrupted
0079	The parameter is incorrect
007A	An I/O error occurred
007B	The file specified is a directory
007C	Too many files are open for this process
007D	Too many links occurred
007E	The filename is too long
007F	Too many files are open in the system
0080	No such device exists
0081	No such file, directory, or IPC member exists
0082	The exec call contained a format error (DFSMS™ error)

Table 2. OpenEdition sockets return codes (continued)

Return code (Hex)	Explanation
0083	No locks are available
0084	Not enough space is available
0085	No space is left on the device, or no space is available to create the IPC member ID
0086	The function is not implemented
0087	Not a directory
0088	The directory is not empty
0089	The I/O control operator is inappropriate
008A	No such device or address exists
008B	The operation is not permitted
008C	The pipe is broken
008D	The specified file system is read only
008E	The seek is incorrect
008F	No such process or thread exists
0090	A link to a file on another file system was attempted
0091	The parameter list is too long, or the message to receive was too large for the buffer
0092	A loop is encountered in symbolic links
0093	The byte sequence is illegal
0095	A value is too large to be stored in the data type
0096	OpenMVS kernel is not active
0097	Dynamic allocation error
0098	Catalog Volume Access Facility error
0099	Catalog obtain error
009C	Process Initialization error
009D	An MVS™ environmental or internal error has occurred
009E	Bad parameters were passed to the service
009F	HFS encountered a permanent file error
00A2	HFS encountered a system error
00A3	SAF/RACF extract error
00A4	SAF/RACF error
00A7	Access to the OpenMVS version of the C RTL is denied
00A8	The password for the specified resource has expired
00A9	The new password specified is not valid
00AA	A WLM service ended in error
03EA	Socket number assigned by client interface code (for socket() and accept()) is out of range
03EB	Socket number assigned by client interface code is already in use
03ED	Offload box error
03EE	Offload box restarted
03EF	Offload box down

Table 2. OpenEdition sockets return codes (continued)

Return code (Hex)	Explanation
03F0	Already a conflicting call outstanding on socket
03F1	Request cancelled via SOCKcallCANCEL request
03F3	SetlbmOpt specified a name of a PFS that either was not configured or was not a Sockets PFS
044C	Block device required
044D	Text file busy
044E	The descriptor is marked nonblocking, and the requested function cannot complete immediately
044F	Operation now in progress
0450	Operation already in progress
0451	Socket operation on a non-socket
0452	Destination address required
0453	The message is too large to be sent all at once, as required
0454	The socket type is incorrect
0455	Protocol or socket option not available
0456	Protocol not supported
0457	Socket type not supported
0458	The referenced socket is not a type that supports the requested function
0459	Protocol family not supported
045A	The address family is not supported
045B	The address is already in use
045C	Cannot assign requested address
045D	Network is down
045E	Network is unreachable
045F	Network dropped connection on reset
0460	Software caused connection abort
0461	Connection reset by peer
0462	Insufficient buffer space available
0463	The socket is already connected
0464	The socket is not connected
0465	Cannot send after socket shutdown
0466	Too many references: cannot splice
0467	Connection timed out
0468	The attempt to connect was rejected
0469	Host is down
046A	No route to host
046B	Too many processes
046C	Too many users
046D	Disc quota exceeded
046E	Stale NFS file handle

Table 2. OpenEdition sockets return codes (continued)

Return code (Hex)	Explanation
046F	Too many levels of remote in path
0470	Device is not a stream
0471	Timer expired
0472	Out of streams resources
0473	No message of the desired type
0474	Trying to read unreadable message
0475	Identifier removed
0476	Machine is not on the network
0477	Object is remote
0478	The link has been severed
0479	Advertise error
047A	srmount error
047B	Communication error on send
047C	Protocol error
047D	Protocol error
047E	Cross mount point
047F	Remote address change
0480	The asynchronous I/O request has been canceled
0481	Socket send/receive gotten out of order
0482	Unattached streams error
0483	Streams push object error
0484	Streams closed error
0485	Streams link error
0486	Tcp error
Other	See the OS/390 <i>OpenEdition Messages and Codes</i> manual

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## APPC/MVS return codes

The tables in this section document the following return codes:

- “APPC return codes”
- “APPC allocate services return codes” on page 1308
- “APPC reason codes” on page 1309

See the *Writing Transaction Programs for APPC/MVS* and *Writing Servers for APPC/MVS* manuals for more information.

## APPC return codes

This table documents the return codes that can be returned from APPC/MVS in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol. These return codes can be returned to the local program in response to a call.

Table 3. APPC return codes and their meanings

Return code (Hex)	Explanation
00	The call issued by the local program executed successfully. If the call specified a Notify_type of ECB, the call processing will be performed asynchronously, and the ECB will be posted when the processing completes.
01	The caller specified an allocate_type that was other than <i>immediate</i> . Either APPC/MVS could not establish a session with the partner LU, or VTAM® could not establish the conversation. In this case (when allocate_type is <i>immediate</i> ), APPC/MVS converts this return code to “unsuccessful”.
02	The conversation cannot be allocated on a session because of a condition that might be temporary. The program can retry the allocation request. The system returns this code when the allocate_type specified on a CMALLOC verb is other than <i>immediate</i> .
03	The partner LU rejected the allocation request because the local program issued an Allocate call with the Conversation_type parameter set to either Basic_conversation or Mapped_conversation, and the partner program does not support the respective mapped or basic conversation protocol boundary. This return code is returned on a call made after the Allocate.
05	The partner LU rejected an ATBALLC or ATBALC2 (allocate) request because the partner program has one or more initialization parameter (PIP) variables defined. APPC/MVS does not support these parameters. This return code is returned on a call made after the Allocate. It is not returned for allocate requests made using CPI Communications.
06	The partner LU rejected the allocation request because the access security information is not valid. This return code is returned on a call subsequent to the Allocate.
08	The partner LU rejected the allocation request because the local program specified a synchronization level (with the Sync_level parameter) that the partner program does not support. This return code is returned on a call subsequent to the Allocate.
09	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU does not recognize. This return code is returned on a call subsequent to the Allocate.
0A	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU recognizes but cannot start. The condition is not temporary, and the program should not retry the allocation request. This return code is returned on a call subsequent to the Allocate.
0B	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU recognizes but currently cannot start. The condition might be temporary, and the program can retry the allocation request. This return code is returned on a call subsequent to the Allocate.

Table 3. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
11	The partner program issued an Deallocate call with a Deallocate_type of Deallocate_abend, or the partner LU has done so because of a partner program abnormal ending condition. If the partner program was in receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.
12	The partner program issued a Deallocate call on a basic or mapped conversation with a Deallocate_type of Deallocate_sync_level or Deallocate_flush. This return code is reported to the local program on a call the program issues in Receive state.
13	<p>The local program issued a call specifying an argument that was not valid. Specific reasons for the return code apply to the following callable services:</p> <p><b>ATBALC2 or ATBALLC (LU 6.2 Allocate)</b></p> <ul style="list-style-type: none"> <li>• The TP name was not 1 to 64 characters long</li> <li>• Either the SYMDEST name or the TP name length were not specified</li> <li>• SNASVCMG is specified as mode name</li> <li>• X'06' is used as the first character of a TP name</li> <li>• An SNA service TP name is used with a mapped conversation verb</li> <li>• The partner LU name was not valid</li> <li>• The mode name was not valid</li> <li>• The local LU name specified is either undefined or not allowed</li> </ul> <p><b>CMALLC (CPI-C Allocate)</b></p> <ul style="list-style-type: none"> <li>• SNASVCMG is specified as mode name</li> <li>• X'06' is used as the first character of a TP name</li> <li>• An SNA service TP name is used with a mapped conversation verb</li> <li>• The mode name was not valid</li> </ul>
14	A product-specific error has been detected. The system writes symptom records that describe the error to SYS1.LOGREC.



Table 3. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
15	<p>Indicates one of the following:</p> <ul style="list-style-type: none"> <li>• The partner program made a Send_error call on a mapped conversation and the conversation for the partner program was in Send state. No truncation occurs at the mapped conversation protocol boundary. This return code is reported to the local program on a Receive call prior to receiving any data records or after receiving one or more data records.</li> <li>• The partner program made a Send_error call specifying the Type parameter with a value of PROG, the conversation for the partner program was in Send state, and the call did not truncate a logical record. No truncation occurs at the basic conversation protocol boundary when a program performs a Send_error before sending any logical records, or after sending a complete logical record. This return code is reported to the local program on a Receive call prior to receiving any logical records or after receiving one or more complete logical records.</li> </ul>
16	<p>The partner program made a Send_error call on a mapped conversation, or made a Send_error call on a basic conversation specifying the Type parameter with a value of PROG, and the conversation for the partner program was in Receive or Confirm state. The call might have caused information to be purged. Purging occurs when a program issued Send_error in receive state before receiving all the information sent by its partner program. No purging occurs when a program issues the call in Confirm state or in Receive state after receiving all the information sent by its partner program. The return code is normally reported to the local program on a call it issues prior to sending any information, depending on the call and when it is made.</p>
17	<p>The partner program made a Send_error call specifying the Type parameter with a value of PROG, the conversation for the partner program was in Send state, and the call truncated a logical record. Truncation occurs at the basic conversation protocol boundary when a program begins sending a logical record and then makes a Send_error call before sending the complete logical record. This return code is reported to the local program on a Receive call it issues after receiving the truncated logical record.</p>

Table 3. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
18	<p>The local program issued a call in which a programming error has been found in one or more parameters. Specific reasons for the return code apply to the following callable services:</p> <p><b>ATBALC2 or ATBALLC (LU 6.2 Allocate)</b></p> <ul style="list-style-type: none"> <li>• An unauthorized caller passed a nonzero TP_ID</li> <li>• For Sec_pgm-type security, both the userid and password were not specified</li> <li>• For Sec_Pgm-type security, a userid was specified with a blank password, or a password was specified with a blank userid</li> <li>• The SYMDEST name was not found in the side information</li> <li>• The specified TP_ID is not associated with the address space</li> <li>• An unauthorized caller specified a Notify_Type of ECB</li> </ul> <p><b>ATBCFM (LU 6.2 Allocate)</b></p> <ul style="list-style-type: none"> <li>• An unauthorized caller specified a Notify_type of ECB</li> <li>• The Sync_Level field for the conversation was equal to sync_level_none</li> </ul> <p><b>ATBDEAL (LU 6.2 Allocate)</b></p> <ul style="list-style-type: none"> <li>• A Deallocate_type of deallocate_confirm was specified, and the Sync_Level field for the conversation was equal to sync_level_none</li> </ul> <p><b>ATBPTR (LU 6.2 Prepare to Receive)</b></p> <ul style="list-style-type: none"> <li>• A Prepare_To_Receive_Type of Prep_to_receive_sync_level was specified, and the Sync_Level field for the conversation was equal to sync_level_none</li> </ul> <p><b>ATBSEND (LU 6.2 Send)</b></p> <ul style="list-style-type: none"> <li>• The value in the 2-byte LL field was not valid</li> <li>• A Send_Type of Send_and_Confirm was specified, and the Sync_Level field for the conversation was equal to sync_level_none</li> </ul> <p><b>CMINIT (CPI-C Initialize Conversation)</b> The SYMDEST name was not found in the side information</p>

Table 3. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
19	<p>The local program issued a call in a state that was not valid for that call. The program should not examine any other returned variables associated with the call as nothing is placed in the variables. The state of the conversation remains unchanged.</p> <p>If the error occurs in one of the following callable services, the conversation was in send state and the program started, but the program did not finish sending a logical record:</p> <ul style="list-style-type: none"> <li>• ATBCFM (LU 6.2 Allocate)</li> <li>• ATBDEAL (LU 6.2 Allocate)</li> <li>• ATBPTR (LU 6.2 Allocate)</li> <li>• ATBRCVW and ATBRCVI (LU 6.2 Receive and Wait and Receive Immediate)</li> <li>• ATBSEND (LU 6.2 Send)</li> </ul>
1A	A failure occurred that caused the conversation to be prematurely terminated. The condition is not temporary, and the program should not retry the transaction until the condition is corrected.
1B	A failure occurred that caused the conversation to be prematurely terminated. The condition might be temporary, and the program can retry the transaction.
1C	<p>The call issued by the local program did not run successfully. This return code is returned on the unsuccessful call.</p> <p>If this code is returned by the ATBRCVI (LU 6.2 Receive_Immediate) callable service, there is no data to be returned.</p>
1E	The partner program issued a Deallocate call with a Deallocate_type of Deallocate_abend_SVC. If the partner program was in Receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.
1F	The partner program issued a Deallocate call with a Deallocate_type of Deallocate_abend_timer. If the partner program was in Receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.
20	The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Send state, and the call did not truncate a logical record. This return code is returned on a Receive call. It is not returned for Send_error requests using CPI Communications.

Table 3. APPC return codes and their meanings (continued)

Return code (Hex)	Explanation
21	<p>The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Receive, Confirm, or Sync_Point state, and the call might have caused information to be purged. This return code is normally returned to the local program on a call that the local program issues after sending some information to the partner program. However the return code can be returned on a call that the local program issues before sending any information, depending on when the call is issued.</p> <p>This code is not returned for Send_error requests using CPI Communications.</p>
22	<p>The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Send state, and the call truncated a logical record. Truncation occurs when a program begins sending a logical record and then issues Send_error before sending the complete record. This return code is returned to the local program on a Receive call that the local program issues after receiving the truncated logical record.</p> <p>The code is not returned for Send_error requests using CPI Communications.</p>
40	<p>APPC/MVS is not currently active. Call the service again after APPC is available.</p>
Other	<p>See the <i>Writing Transaction Programs for APPC/MVS</i> and <i>Writing Servers for APPC/MVS</i> manuals.</p>

## APPC allocate services return codes

This table documents the return codes that can be returned from APPC/MVS allocate queue services in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol.

Table 4. APPC allocate services return codes and their meanings

Return code (Hex)	Explanation
0	The service completed as requested.
4	The service completed, but possibly not as expected. See the reason code parameter for a description of the warning condition.
8	A user-supplied parameter was found to be in error. For example, a parameter contains characters not in the required character set. See the reason code parameter to determine which parameter is in error.
10	The service was unsuccessful. The cause is most likely a parameter error other than a syntax error, or an environmental error. For example, a syntactically valid LU name was specified, but the LU is not defined to APPC/MVS. An example of an environmental error is that the caller called the service while holding locks. See the reason code parameter for the specific cause of the error, and to determine whether the error can be corrected and the service re-issued.

Table 4. APPC allocate services return codes and their meanings (continued)

Return code (Hex)	Explanation
20	APPC/MVS service failure. Record the return and reason code, and give them to your systems programmer, who should contact the appropriate IBM support personnel.
40	APPC/MVS is not currently active. Call the service again after APPC is available.
Other	See the <i>Writing Transaction Programs for APPC/MVS</i> and <i>Writing Servers for APPC/MVS</i> manuals.

## APPC reason codes

This table documents the reason codes that can be returned from APPC/MVS allocate queue services in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol.

**Note:** Some of the APPC return codes are not accompanied by a reason code; in these cases, the value in the reason code field can be ignored. Refer to the manuals shown in “APPC/MVS return codes” on page 1302 for more information.

Table 5. APPC reason codes and their meanings

Return code (Hex)	Explanation
1	The address space issued a Register_For_Allocates call that duplicated a previous Register_For_Allocate call (that is, the values specified for TP name, local LU name, partner LU name, user ID, and profile all matched those specified on a previous call to the Register_For_Allocates service).
2	A TP name is required, but none was specified.
3	The specified TP name contains characters that are not valid
4	The specified TP name length is outside the allowable range.
5	A local LU name is required, but none was specified.
7	An asynchronous call failed because a specified parameter was found to be inaccessible.
8	The caller held one or more locks when calling the service.
0A	A transaction scheduler called the Register_For_Allocate service, which is not allowed
0B	The specified symbolic destination name could not be found in the side information data set.
0C	The specified local LU is undefined.
0D	The specified local LU is not receiving inbound allocate requests.
0E	The Register_For_Allocate service was called, but the caller is not authorized to serve the specified TP name on the specified local LU.
0F	The specified local LU is inaccessible to the caller.
10	The service failed because of an APPC failure.
11	The specified allocate queue token does not represent an allocate queue for which this address space is registered.
12	The specified notify type is not valid.
13	The specified timeout value is not valid.

Table 5. APPC reason codes and their meanings (continued)

Return code (Hex)	Explanation
14	The request was cancelled while in progress. This could have been caused by a call to the Unregister_For_Allocates service, or the termination of the caller's address space.
15	A Receive_Allocate call completed, but no allocate request was available to be received.
1A	The specified event notification type is not valid.
1B	The specified event code is not supported or is not valid for this service.
1C	The netid retrieved from the side information data set does not match the local netid.
1D	The specified event code qualifier is not valid or supported.
1E	The Get_Event call completed, but no event element was available to be received.
1F	The call to the Get_Event service was interrupted because all event notification requests were cancelled for this address space.
20	The call to the Get_Event service was rejected because a previous Get_Event call is currently outstanding.
21	The Get_Event call was rejected because no event notification is in effect for this address space.
22	The specified allocate queue keep time is outside the allowable range.
24	A call to the Unregister_For_Allocates service specified "unregister all" (that is, the allocate_queue_token was set to binary zeros), but this address space is not registered for any allocate queues.
25	The specified event get type is not valid.
26	The specified receive allocate type is not valid.
27	APPC/MVS cannot determine if the specified netid is valid.
29	The service failed because the supplied buffer was not large enough to contain the requested information.
Other	See the <i>Writing Transaction Programs for APPC/MVS</i> and <i>Writing Servers for APPC/MVS</i> manuals.

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## Chapter 8. Secure Sockets Layer (SSL) return codes

The table in this appendix documents the return codes, in decimal form, from the Secure Sockets Layer (SSL) that can be returned in messages from the distributed queuing component.

If the return code is not listed, or if you want more information, refer to *Cryptographic Services System SSL Programming*, SC24-5901, which you can find on the IBM Web site.

Table 6. SSL return codes

Return code (decimal)	Explanation
1	Handle is not valid.
3	An internal error has occurred.
4	Insufficient storage is available
5	Handle is in the incorrect state.
6	Key label is not found.
7	No certificates available.
8	Certificate validation error.
9	Cryptographic processing error.
10	ASN processing error.
11	LDAP processing error.
12	An unexpected error has occurred.
102	Error detected while reading key database or SAF key ring.
103	Incorrect key database record format.
106	Incorrect key database password.
109	No certification authority certificates.
201	No key database password supplied.
202	Error detected while opening the key database.
203	Unable to generate temporary key pair
204	Key database password is expired.
302	Connection is active.
401	Certificate is expired or is not valid yet.
402	No SSL cipher specifications.
403	No certificate received from partner.
405	Certificate format is not supported.
406	Error while reading or writing data.
407	Key label does not exist.
408	Key database password is not correct.
410	SSL message format is incorrect.
411	Message authentication code is incorrect.
412	SSL protocol or certificate type is not supported.

Table 6. SSL return codes (continued)

Return code (decimal)	Explanation
413	Certificate signature is incorrect.
414	Certificate is not valid.
415	SSL protocol violation.
416	Permission denied.
417	Self-signed certificate cannot be validated.
420	Socket closed by remote partner.
421	SSL V2 cipher is not valid.
422	SSL V3 cipher is not valid.
427	LDAP is not available.
428	Key entry does not contain a private key.
429	SSL V2 header is not valid.
431	Certificate is revoked.
432	Session renegotiation is not allowed.
433	Key exceeds allowable export size.
434	Certificate key is not compatible with cipher suite.
435	Certification authority is unknown.
436	Certificate revocation list cannot be processed.
437	Connection closed.
438	Internal error reported by remote partner.
439	Unknown alert received from remote partner.
501	Buffer size is not valid.
502	Socket request would block.
503	Socket read request would block.
504	Socket write request would block.
505	Record overflow.
601	Protocol is not SSL V3 or TLS V1.
602	Function identifier is not valid.
701	Attribute identifier is not valid.



## Chapter 9. Distributed queuing message codes

Distributed queuing message codes are in the form *s0009mmm* (in hexadecimal), and the error they identify is generally described in detail by error message *CSQXmmm*, although there are some exceptions. The following table shows the full correspondence. Distributed queuing message codes are used in some error messages, and in the event data for the *MQRC\_CHANNEL\_STOPPED* event. The event data also contains message inserts; the meanings of the inserts depend on the message code, and are shown in the following table, in the form in which they are given in the message explanation. Where no meaning is shown, the insert is not relevant to the message code, and the value set in the event message is unpredictable. Character insert 3 is never relevant, and so is omitted from the table.

**Note:** *trptype* can be shown in various forms:

**Message insert**  
**Event data**

**TCP** TCP/IP, and so on

**LU62** LU 6.2, APPC, CPI-C, and so on

Message code ( <i>mm</i> )	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2	Character insert 3
001	CSQX501I			channel-name		
181	CSQX181E	response		exit-name		
182	CSQX182E	response		exit-name		
184	CSQX184E	address		exit-name		
189	CSQX189E	length		exit-name		
196	CSQX196E	data-length	ab-length	exit-name		
197	CSQX197E	data-length	eb-length	exit-name		
201	CSQX201E	return-code		conn-id	trptype	
202	CSQX202E	return-code		conn-id	trptype	
203	CSQX203E	return-code		conn-id	trptype	
204	CSQX204E	return-code		conn-id	trptype	
205	CSQX205E	return-code		conn-id	trptype	
206	CSQX206E	return-code		conn-id	trptype	
207	CSQX207E			conn-id	trptype	
208	CSQX208E	return-code		conn-id	trptype	
209	CSQX209E			conn-id	trptype	
211	CSQX027E					
212	CSQX212E	return-code				
213	CSQX213E	return-code			trptype	
237	CSQX203E	return-code	reason	conn-id	trptype	
238	CSQX213E	return-code	reason		trptype	

Message code ( <i>mmm</i> )	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2	Character insert 3
403	CSQX403I			channel-name	exit-name	
496	CSQX496I			channel-name		
498	CSQX498E	fieldvalue		channel-name		
506	CSQX506E			channel-name		
510	CSQX037E	mqr			name	
511	CSQX038E	mqr			name	
514	CSQX514E			channel-name		
519	CSQX519E			channel-name		
520	CSQX520E			channel-name		
525	CSQX525E			channel-name		
526	CSQX526E	msg-seqno	exp-seqno	channel-name		
527	CSQX527E			channel-name		
528	CSQX528I			channel-name		
533	CSQX533I			channel-name		
534	CSQX534E			channel-name		
536	CSQX536I			channel-name	exit-name	
540	CSQX540E	mqr		commit identifier which includes channel-name		
542	the queue manager is stopping (no corresponding error message)					
544	see integer insert 1	1 - see message CSQX548E  2 - see message CSQX544E		channel-name		
545	CSQX545I			channel-name		
546	code 00E70546					
558	CSQX558E			channel-name		
565	CSQX565E			channel-name	qmgr-name	
569	CSQX569E			channel-name		
570	CSQX570E			channel-name		
572	CSQX572E			channel-name		
573	CSQX573E			channel-name		
574	CSQX574I			channel-name		
575	CSQX575E					
613	CSQX613E			channel-name		
620	CSQX620E	return-code		SSL-function		

Message code ( <i>mm</i> )	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2	Character insert 3
631	CSQX631E			channel-name	local cipher spec	remote cipher spec
633	CSQX633E			channel-name		
634	CSQX634E			channel-name		
635	CSQX635E			channel-name		cipher spec
636	CSQX636E			channel-name	dist-name	
637	CSQX637E			channel-name		
638	CSQX638E			channel-name		
639	CSQX639E			channel-name		
640	CSQX640E			channel-name		key-name
641	CSQX641E			channel-name		
642	CSQX642E			channel-name		
643	CSQX643E			channel-name		
644	CSQX644E			channel-name		
999	CSQX599E			channel-name		



## Chapter 10. Messages from other products

The following table shows the message prefixes for other products that you might receive while using WebSphere MQ for z/OS.

*Table 7. Message prefixes*

Prefix	Component	Procedure
AMQ	WebSphere MQ (not z/OS)	Consult WebSphere MQ Messages
ATB	APPC	Consult <i>MVS System Messages</i>
ATR	Resource recovery services	Consult <i>MVS System Messages</i>
CBC	C/C++	Consult <i>C/MVS™ User's Guide</i>
CEE	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
CSQ	WebSphere MQ for z/OS	Consult this book
CSV	Contents supervision	Consult <i>MVS System Messages</i>
DFH	CICS	Consult <i>CICS Messages and Codes</i>
DFS™	IMS	Consult <i>IMS Messages and Codes</i>
DSN	DB2	Consult <i>DB2 Messages and Codes</i>
EDC	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
EZA, EZB, EZY	TCP/IP	Consult <i>TCP/IP for MVS Messages and Codes</i>
IBM	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
ICH	RACF	Consult <i>RACF Messages and Codes</i>
IDC	Access method services	Consult <i>MVS System Messages</i>
IEA	z/OS system services	Consult <i>MVS System Messages</i>
IEC	Data management services	Consult <i>MVS System Messages</i>
IEE,IEF	z/OS system services	Consult <i>MVS System Messages</i>
IKJ	TSO	Consult <i>MVS System Messages</i>
IST	VTAM	Consult <i>VTAM Messages and Codes</i>
IWM	z/OS workload management services	Consult <i>MVS System Messages</i>
IXC	Cross-system coupling facility (XCF)	Consult <i>MVS System Messages</i>
IXL	Cross-system extended services (XES)	Consult <i>MVS System Messages</i>



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