

MQSeries®



Messages

MQSeries®



Messages

Note!

Before using this information and the product it supports, be sure to read the general information under Appendix, "Notices" on page 159.

Second edition (March 1999)

This edition applies to the following products:

- MQSeries for AIX® Version 5.1
- MQSeries for HP-UX Version 5.1
- MQSeries for OS/2 Warp Version 5.1
- MQSeries for Sun Solaris Version 5.1
- MQSeries for Windows NT® Version 5.1
- MQSeries for Windows® Version 2.0
- MQSeries for Windows Version 2.1

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

Order publications through your IBM representative or the IBM branch office serving your locality. Publications are not stocked at the address given below.

At the back of this publication is a page titled "Sending your comments to IBM". If you want to make comments, but the methods described are not available to you, please address them to:

IBM United Kingdom Laboratories,
Information Development,
Mail Point 095,
Hursley Park,
Winchester,
Hampshire,
England,
SO21 2JN

When you send information to IBM, you grant IBM a nonexclusive right to use or distribute the information in any way it believes appropriate without incurring any obligation to you.

© **Copyright International Business Machines Corporation 1997,1999. All rights reserved.**

Note to U.S. Government Users — Documentation related to restricted rights — Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corp.

Contents

About this book	v
UNIX systems	v
Who this book is for	v
How to use this book	v
MQSeries publications	vi
MQSeries cross-platform publications	vi
MQSeries platform-specific publications	ix
MQSeries Level 1 product publications	x
Softcopy books	x
MQSeries information available on the Internet	xii
Summary of Changes	xiii
Changes to this edition, GC33-1876-01	xiii
Finding and reading a message	1
Finding a message	1
Reading a message	1
AMQ3500-AMQ3999 MQSeries for Windows messages	3
AMQ4000-AMQ4999 MQSeries for Windows NT User Interface messages	9
AMQ5000-AMQ5999 Installable services messages	23
AMQ6000-AMQ6999 Common services messages	31
AMQ7000-AMQ7999 MQSeries product messages	37
AMQ8000-AMQ8999 MQSeries administration messages	53
AMQ9000-AMQ9999 Remote messages	69
API completion and reason codes	83
Completion codes	83
Reason codes	83
Appendix. Notices	159
Trademarks	161

Contents

About this book

This book describes the user messages returned by the MQSeries products listed below, with explanations and suggested actions. It is designed for use as a quick reference.

This book applies to the following MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1
- MQSeries for Windows V2.0
- MQSeries for Windows V2.1

UNIX systems

In this book, references to “UNIX® systems” include:

AIX
HP-UX
Sun Solaris

References to MQSeries for “UNIX systems” include:

IBM MQSeries for AIX V5.1
IBM MQSeries for HP-UX V5.1
IBM MQSeries for Sun Solaris V5.1

Who this book is for

The information is intended for system operators, system programmers, and anyone who needs to understand and take action in response to MQSeries user messages.

How to use this book

See “Finding and reading a message” on page 1.

MQSeries publications

This section describes the documentation available for all current MQSeries products.

MQSeries cross-platform publications

Most of these publications, which are sometimes referred to as the MQSeries “family” books, apply to all MQSeries Level 2 products. The latest MQSeries Level 2 products are:

- MQSeries for AIX V5.1
- MQSeries for AS/400 V4R2M1
- MQSeries for AT&T GIS UNIX V2.2
- MQSeries for Digital OpenVMS V2.2
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for OS/390 V2.1
- MQSeries for SINIX and DC/OSx V2.2
- MQSeries for Sun Solaris V5.1
- MQSeries for Tandem NonStop Kernel V2.2
- MQSeries for VSE/ESA V2.1
- MQSeries for Windows V2.0
- MQSeries for Windows V2.1
- MQSeries for Windows NT V5.1

Any exceptions to this general rule are indicated. (Publications that support the MQSeries Level 1 products are listed in “MQSeries Level 1 product publications” on page x. For a functional comparison of the Level 1 and Level 2 MQSeries products, see the *MQSeries Planning Guide*.)

MQSeries Brochure

The *MQSeries Brochure*, G511-1908, gives a brief introduction to the benefits of MQSeries. It is intended to support the purchasing decision, and describes some authentic customer use of MQSeries.

MQSeries: An Introduction to Messaging and Queuing

MQSeries: An Introduction to Messaging and Queuing, GC33-0805, describes briefly what MQSeries is, how it works, and how it can solve some classic interoperability problems. This book is intended for a more technical audience than the *MQSeries Brochure*.

MQSeries Planning Guide

The *MQSeries Planning Guide*, GC33-1349, describes some key MQSeries concepts, identifies items that need to be considered before MQSeries is installed, including storage requirements, backup and recovery, security, and migration from earlier releases, and specifies hardware and software requirements for every MQSeries platform.

MQSeries Intercommunication

The *MQSeries Intercommunication* book, SC33-1872, defines the concepts of distributed queuing and explains how to set up a distributed queuing network in a variety of MQSeries environments. In particular, it demonstrates how to (1) configure communications to and from a representative sample of MQSeries products, (2) create required MQSeries objects, and (3) create and configure MQSeries channels. The use of channel exits is also described.

MQSeries Clients

The *MQSeries Clients* book, GC33-1632, describes how to install, configure, use, and manage MQSeries client systems.

MQSeries System Administration

The *MQSeries System Administration* book, SC33-1873, supports day-to-day management of local and remote MQSeries objects. It includes topics such as security, recovery and restart, transactional support, problem determination, and the dead-letter queue handler. It also includes the syntax of the MQSeries control commands.

This book applies to the following MQSeries products only:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries Command Reference

The *MQSeries Command Reference*, SC33-1369, contains the syntax of the MQSC commands, which are used by MQSeries system operators and administrators to manage MQSeries objects.

MQSeries Programmable System Management

The *MQSeries Programmable System Management* book, SC33-1482, provides both reference and guidance information for users of MQSeries events, Programmable Command Format (PCF) messages, and installable services.

MQSeries Messages

The *MQSeries Messages* book, GC33-1876, which describes “AMQ” messages issued by MQSeries, applies to these MQSeries products only:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1
- MQSeries for Windows V2.0
- MQSeries for Windows V2.1

This book is available in softcopy only.

MQSeries Application Programming Guide

The *MQSeries Application Programming Guide*, SC33-0807, provides guidance information for users of the message queue interface (MQI). It describes how to design, write, and build an MQSeries application. It also includes full descriptions of the sample programs supplied with MQSeries.

MQSeries Application Programming Reference

The *MQSeries Application Programming Reference*, SC33-1673, provides comprehensive reference information for users of the MQI. It includes: data-type descriptions; MQI call syntax; attributes of MQSeries objects; return codes; constants; and code-page conversion tables.

MQSeries Application Programming Reference Summary

The *MQSeries Application Programming Reference Summary*, SX33-6095, summarizes the information in the *MQSeries Application Programming Reference* manual.

MQSeries Using C++

MQSeries Using C++, SC33-1877, provides both guidance and reference information for users of the MQSeries C++ programming-language binding to the MQI. MQSeries C++ is supported by these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for AS/400 V4R2M1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for OS/390 V2.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries C++ is also supported by MQSeries clients supplied with these products and installed in the following environments:

- AIX
- HP-UX
- OS/2
- Sun Solaris
- Windows NT
- Windows 3.1
- Windows 95 and Windows 98

MQSeries Using Java®

MQSeries Using Java, SC34-5456, provides both guidance and reference information for users of the MQSeries Bindings for Java and the MQSeries Client for Java. MQSeries Java is supported by these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries Administration Interface Programming Guide and Reference

The *MQSeries Administration Interface Programming Guide and Reference*, SC34-5390, provides information for users of the MQAI. The MQAI is a programming interface that simplifies the way in which applications manipulate Programmable Command Format (PCF) messages and their associated data structures.

This book applies to the following MQSeries products only:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries Queue Manager Clusters

MQSeries Queue Manager Clusters, SC34-5349, describes MQSeries clustering. It explains the concepts and terminology and shows how you can benefit by taking advantage of clustering. It details changes to the MQI, and summarizes the syntax of new and changed MQSeries commands. It shows a number of examples of tasks you can perform to set up and maintain clusters of queue managers.

This book applies to the following MQSeries products only:

- MQSeries for AIX V5.1

MQSeries for HP-UX V5.1
 MQSeries for OS/2 Warp V5.1
 MQSeries for OS/390 V2.1
 MQSeries for Sun Solaris V5.1
 MQSeries for Windows NT V5.1

MQSeries platform-specific publications

Each MQSeries product is documented in at least one platform-specific publication, in addition to the MQSeries family books.

MQSeries for AIX

MQSeries for AIX Version 5 Release 1 Quick Beginnings, GC33-1867

MQSeries for AS/400

MQSeries for AS/400 Version 4 Release 2.1 Administration Guide, GC33-1956

MQSeries for AS/400 Version 4 Release 2 Application Programming Reference (RPG), SC33-1957

MQSeries for AT&T GIS UNIX

MQSeries for AT&T GIS UNIX Version 2 Release 2 System Management Guide, SC33-1642

MQSeries for Digital OpenVMS

MQSeries for Digital OpenVMS Version 2 Release 2 System Management Guide, GC33-1791

MQSeries for Digital UNIX

MQSeries for Digital UNIX Version 2 Release 2.1 System Management Guide, GC34-5483

MQSeries for HP-UX

MQSeries for HP-UX Version 5 Release 1 Quick Beginnings, GC33-1869

MQSeries for OS/2 Warp

MQSeries for OS/2 Warp Version 5 Release 1 Quick Beginnings, GC33-1868

MQSeries for OS/390

MQSeries for OS/390 Version 2 Release 1 Licensed Program Specifications, GC34-5377

MQSeries for OS/390 Version 2 Release 1 Program Directory

MQSeries for OS/390 Version 2 Release 1 System Management Guide, SC34-5374

MQSeries for OS/390 Version 2 Release 1 Messages and Codes, GC34-5375

MQSeries for OS/390 Version 2 Release 1 Problem Determination Guide, GC34-5376

MQSeries link for R/3

MQSeries link for R/3 Version 1 Release 2 User's Guide, GC33-1934

MQSeries for SINIX and DC/OSx

MQSeries for SINIX and DC/OSx Version 2 Release 2 System Management Guide, GC33-1768

MQSeries publications

MQSeries for Sun Solaris

MQSeries for Sun Solaris Version 5 Release 1 Quick Beginnings, GC33-1870

MQSeries for Tandem NonStop Kernel

MQSeries for Tandem NonStop Kernel Version 2 Release 2 System Management Guide, GC33-1893

MQSeries for VSE/ESA

MQSeries for VSE/ESA Version 2 Release 1 Licensed Program Specifications, GC34-5365

MQSeries for VSE/ESA Version 2 Release 1 System Management Guide, GC34-5364

MQSeries for Windows

MQSeries for Windows Version 2 Release 0 User's Guide, GC33-1822

MQSeries for Windows Version 2 Release 1 User's Guide, GC33-1965

MQSeries for Windows NT

MQSeries for Windows NT Version 5 Release 1 Quick Beginnings, GC34-5389

MQSeries for Windows NT Using the Component Object Model Interface, SC34-5387

MQSeries LotusScript® Extension, SC34-5404

MQSeries Level 1 product publications

For information about the MQSeries Level 1 products, see the following publications:

MQSeries: Concepts and Architecture, GC33-1141

MQSeries Version 1 Products for UNIX Operating Systems Messages and Codes, SC33-1754

MQSeries for UnixWare Version 1 Release 4.1 User's Guide, SC33-1379

Softcopy books

Most of the MQSeries books are supplied in both hardcopy and softcopy formats.

BookManager format

The MQSeries library is supplied in IBM BookManager format on a variety of online library collection kits, including the *Transaction Processing and Data* collection kit, SK2T-0730. You can view the softcopy books in IBM BookManager format using the following IBM licensed programs:

BookManager READ/2

BookManager READ/6000

BookManager READ/DOS

BookManager READ/MVS

BookManager READ/VM

BookManager READ for Windows

HTML format

Relevant MQSeries documentation is provided in HTML format with these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1 (compiled HTML)
- MQSeries link for R/3 V1.2

The MQSeries books are also available in HTML format from the MQSeries product family Web site at:

<http://www.software.ibm.com/ts/mqseries/>

Portable Document Format (PDF)

PDF files can be viewed and printed using the Adobe Acrobat Reader.

If you need to obtain the Adobe Acrobat Reader, or would like up-to-date information about the platforms on which the Acrobat Reader is supported, visit the Adobe Systems Inc. Web site at:

<http://www.adobe.com/>

PDF versions of relevant MQSeries books are supplied with these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1
- MQSeries link for R/3 V1.2

PDF versions of all current MQSeries books are also available from the MQSeries product family Web site at:

<http://www.software.ibm.com/ts/mqseries/>

PostScript format

The MQSeries library is provided in PostScript (.PS) format with many MQSeries Version 2 products. Books in PostScript format can be printed on a PostScript printer or viewed with a suitable viewer.

Windows Help format

The *MQSeries for Windows User's Guide* is provided in Windows Help format with MQSeries for Windows Version 2.0 and MQSeries for Windows Version 2.1.

MQSeries information available on the Internet

MQSeries Web site

The MQSeries product family Web site is at:

<http://www.software.ibm.com/ts/mqseries/>

By following links from this Web site you can:

- Obtain latest information about the MQSeries product family.
- Access the MQSeries books in HTML and PDF formats.
- Download MQSeries SupportPacs.

Summary of Changes

This section lists the major revisions to this book from the previous edition.

Changes to this edition, GC33-1876-01

Changes to the book for this edition are marked by vertical bars in the left margin; these changes include:

- Messages for cluster support on queue managers
- A section describing all the Message Queue Interface return codes
- Minor technical and editorial improvements throughout the book

Summary of changes

Finding and reading a message

MQSeries user messages are numbered AMQ4000 through AMQ9999, and they are listed in this book in numeric order. However, not all numbers have been used, and therefore, the list is not continuous.

Finding a message

MQSeries messages are grouped according to the part of MQSeries from which they originate:

“AMQ3500-AMQ3999 MQSeries for Windows messages” on page 3.

“AMQ4000-AMQ4999 MQSeries for Windows NT User Interface messages” on page 9.

“AMQ5000-AMQ5999 Installable services messages” on page 23.

“AMQ6000-AMQ6999 Common services messages” on page 31.

“AMQ7000-AMQ7999 MQSeries product messages” on page 37.

“AMQ8000-AMQ8999 MQSeries administration messages” on page 53.

“AMQ9000-AMQ9999 Remote messages” on page 69.

The return codes for the MQSeries programming interface, the MQI, are shown in tabular form in “API completion and reason codes” on page 83.

Reading a message

The format of an MQSeries user message is:

- The message identifier, in two parts:
 1. The characters ‘AMQ’ which identify the message as being from MQSeries
 2. A four-digit decimal code
- The text of the message

Message information

For each message, this information is provided:

Explanation: Why the message was issued.

User action: Instructions to the user.

Message variables

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the ‘&’ symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Finding and reading

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ3500-AMQ3999 MQSeries for Windows messages

Reading variables in the message

In some messages, the text includes strings or numbers that vary depending on the circumstances that cause the message. These message variables are shown in the text of the message like *this*.

AMQ3500 *primary-keyword secondary-keyword name* was successful.

Explanation: The operation was successful.

User action: None required.

AMQ3501 *character* - string expected.

Explanation: The first quotation mark of a quoted string was expected, but the character *character* was found.

User action: Enclose the string in quotation marks and retry the command.

AMQ3502 *integer* - value out of range.

Explanation: The specified integer value for an attribute is outside the allowed range.

User action: Change the integer to a value that is within the allowed range and retry the command.

AMQ3503 *primary-keyword secondary-keyword name* failed. Return code = *code*.

Explanation: The MQSC command is syntactically correct, but the queue manager could not perform the command.

User action: Look up the return code in the *MQSeries for Windows User's Guide*, correct the problem, then retry the command.

AMQ3504 *string* - attribute keyword expected.

Explanation: An attribute keyword was expected, but *string* was found.

User action: Ensure the attribute keyword is valid and spelled correctly, then retry the command.

AMQ3505 *string* - left parenthesis expected.

Explanation: A left parenthesis was expected, but *string* was found.

User action: Correct the command, adding a left parenthesis, then retry the command.

AMQ3506 *string* - number expected.

Explanation: An attribute requires an integer value, but *string* was found.

User action: Correct the attribute value, then retry the command.

AMQ3507 *string* - right parenthesis expected.

Explanation: A right parenthesis was expected, but *string* was found.

User action: Correct the command by adding a right parenthesis. If you have used a name that contains special characters, ensure that the name is enclosed in single quotation marks. Then retry the command.

AMQ3508 *string* - string expected.

Explanation: A quoted string value was expected, but *string* found.

User action: Correct the string value, then retry the command.

AMQ3509 *keyword* not valid for this command.

Explanation: The keyword or attribute is not valid for this command.

User action: Correct the keyword or attribute, then retry the command.

AMQ3510 ACTION keyword required.

Explanation: A RESOLVE CHANNEL command was issued without the ACTION keyword.

User action: Specify the ACTION keyword and an appropriate parameter, then retry the command.

AMQ3511 CHLTYPE must be specified immediately after the channel name.

Explanation: On the DEFINE CHANNEL and ALTER CHANNEL commands, you must specify the channel type immediately after the channel name. The validity of many of the following parameters are determined by the channel type.

User action: Specify the CHLTYPE immediately after the channel name, then retry the command.

AMQ3512 CONNAME keyword required.

Explanation: The channel being defined has a channel type of SDR or RQSTR. With these channel types, you must specify a connection name on the DEFINE CHANNEL command.

User action: Specify the CONNAME keyword, then retry the command.

AMQ3513 Channel already exists - specify REPLACE.

Explanation: The channel being defined already exists and the replace option has not been specified.

User action: If you want to replace the existing channel, specify the REPLACE keyword; otherwise choose a different channel name.

AMQ3514 Channel not found.

Explanation: The channel specified in the ALTER CHANNEL command does not exist.

User action: Correct the channel name, then retry the command.

AMQ3515 LIKE channel not found.

Explanation: The LIKE channel name specified on the DEFINE CHANNEL command does not exist.

User action: Correct the LIKE channel name, then retry the command.

AMQ3516 Primary keyword *string* not valid.

Explanation: A primary keyword was expected, but *string* was found.

User action: Correct the primary keyword, then retry the command.

AMQ3517 Error opening channel definition file.

Explanation: The operating system could not open the channel definition file.

User action: Try the command again. If the error persists, reinstall MQSeries, then try the command again. If this does not solve the problem, contact your MQSeries administrator.

AMQ3518 Error reading channel definition file.

Explanation: The operating system could not read the channel definition file.

User action: Try the command again. If the error persists, reinstall MQSeries, then try the command again. If this does not solve the problem, contact your MQSeries administrator.

AMQ3519 Secondary keyword *string* not valid.

Explanation: A secondary keyword was expected, but *string* was found.

User action: Correct the secondary keyword, then retry the command.

AMQ3520 TRPTYPE keyword required.

Explanation: When you define a channel of this type, you must specify the transport type.

User action: Specify the TRPTYPE keyword on the DEFINE CHANNEL command, then retry the command.

AMQ3521 Cannot read continuation line.

Explanation: The operating system cannot read the line following the plus (+) character.

User action: A plus character means that the command continues on the following line. Ensure the continuation character is required, correct the continuation line, then retry the command. If the error persists, reinstall MQSeries, then try the command again. If this does not solve the problem, contact your MQSeries administrator.

AMQ3522 Unexpected comma.

Explanation: A keyword was expected, but a comma (,) was found.

User action: Correct the keyword, then retry the command.

AMQ3523 Unexpected left parenthesis.

Explanation: A keyword was expected, but a left parenthesis was found.

User action: Correct the keyword, then retry the command.

AMQ3524 Unexpected number *number*.

Explanation: A keyword was expected, but *number* was found.

User action: Correct the keyword, then retry the command.

AMQ3525 Unexpected right parenthesis.

Explanation: A keyword was expected, but a right parenthesis was found.

User action: Correct the keyword, then retry the command.

AMQ3526 Value type *type* not supported.

Explanation: There may be a fault in the MQSC command processor.

User action: Restart the MQ connection. If the error persists, reinstall MQSeries, then restart the MQ connection. If this does not solve the problem, contact your MQSeries administrator.

AMQ3527 Keyword *keyword* is not valid for given channel type.

Explanation: The keyword *keyword* is not valid for use with the channel type specified by the CHLTYPE keyword.

User action: Correct the keyword, then retry the command.

AMQ3528 Wrong CHLTYPE for LIKE channel.

Explanation: The channel type for the channel defined by the LIKE keyword is different from that specified by the CHLTYPE keyword. In the DEFINE CHANNEL command, the channel types must match.

User action: Either correct the LIKE keyword to specify a channel of the required type, or correct the CHLTYPE keyword to match the channel type of the LIKE channel. Then retry the command.

AMQ3529 Wrong CHLTYPE for given definition.

Explanation: The channel type of the named channel is different from the CHLTYPE specified. In the ALTER CHANNEL command, the channel types must match.

User action: Correct the CHLTYPE keyword to match the channel type of the named channel, then retry the command.

AMQ3530 XMITQ keyword required.

Explanation: The channel being defined has a channel type of SDR or SVR. With these channel types, you must specify a transmission queue name on the DEFINE CHANNEL command.

User action: Specify the XMITQ keyword, then retry the command.

AMQ3531 Character attribute buffer exceeded.

Explanation: A character attribute is greater than 2000 characters in length.

User action: Correct the attribute, then retry the command. If the error persists, reinstall MQSeries, then try the command again. If this does not solve the problem, contact your MQSeries administrator.

AMQ3532 File ended unexpectedly.

Explanation: The file ended unexpectedly while reading a continuation line.

User action: Ensure that the command correctly uses the continuation character, then retry the command.

AMQ3533 Character *character* not valid.

Explanation: While parsing the keywords and attributes, *character* was found. It is not valid in this context.

User action: Correct the character. If you have used a name that contains special characters, ensure that the name is enclosed in single quotation marks. Then retry the command.

AMQ3534 Keyword *keyword* not valid.

Explanation: You cannot use this keyword in this situation.

User action: Correct the syntax of the command, then retry it.

AMQ3535 LIKE channel name too long.

Explanation: The length of the channel name specified with the LIKE keyword is too long. Channel names can be a maximum of 20 characters.

User action: Correct the channel name, then retry the command.

AMQ3536 Terminator of number *number* not valid.

Explanation: The characters following the number *number* are not valid.

User action: Correct the number, then retry the command.

AMQ3537 Keyword beginning *keyword* too long.

Explanation: The length of the keyword *keyword* is more than 10 characters.

User action: Correct the keyword, then retry the command.

AMQ3538 Name type is not a string.

Explanation: There may be a fault in the MQSC command processor.

User action: Restart the MQ connection. If the error persists, reinstall MQSeries, then restart the MQ connection. If this does not solve the problem, contact your MQSeries administrator.

AMQ3539 Number beginning *number* is too long.

Explanation: The number beginning with *number* is longer than the maximum of 9 digits.

User action: Correct the number, then retry the command.

AMQ3540 Keyword DEADQ (*string*) must be blank.

Explanation: MQSeries does not support dead-letter queues. You can set this keyword to blanks only.

User action: Remove the DEADQ keyword, then retry the command.

AMQ3541 String *string* ended unexpectedly.

Explanation: The string *string* ended with a new-line character instead of a quotation mark.

User action: Correct the string, then retry the command.

AMQ3542 String beginning *string* is too long.

Explanation: The string *string* is too long for its associated keyword.

User action: Correct the string, then retry the command.

AMQ3543 Too many attributes, ignoring this one.

Explanation: You can specify a maximum of 256 attributes on one command; any more are ignored.

User action: Correct the number of attributes associated with the command, then retry it. If the error persists, reinstall MQSeries, then try the command again. If this does not solve the problem, contact your MQSeries administrator.

AMQ3544 Keyword MCANAME (*name*) must be blank.

Explanation: MQSeries does not support the MCANAME keyword. You can set it to blanks only.

User action: Remove the MCANAME keyword, then retry the command.

AMQ3545 Internal error number = *return code*

Explanation: There may be a fault in the MQSC command processor.

User action: Restart the MQ connection. If the error persists, reinstall MQSeries, then restart the MQ connection. If this does not solve the problem, contact your MQSeries administrator.

AMQ3546 Secondary keyword not specified.

Explanation: The command must have a secondary keyword, but none has been specified.

User action: Specify the secondary keyword, then retry the command.

AMQ3547 String length of string *string* is not valid.

Explanation: Each string associated with a keyword can be of a certain length only. The length of string *string* is not valid for its associated keyword.

User action: Correct the string, then retry the command.

AMQ3548 Line too long - MQSC file error

Explanation: The MQSC file did not end with the expected new-line character.

User action: Edit the file and ensure that the final command ends correctly. If necessary, add a blank line to the end of the file. Then run the MQSC command file again.

AMQ3549 MQSC file *filename* ran successfully.

Explanation: The MQSC command file ran successfully.

User action: None required.

AMQ3550 MQSC file *filename* did not run successfully.

See MQSC.LOG for more details.

Explanation: Some of the commands in the MQSC command file *filename* contained errors.

User action: Correct the commands in the file, then run the file again.

AMQ3551 *string* contains characters not valid for MQSeries objects.

Explanation: The name *string* contains characters that are not valid for MQSeries objects. When you name MQSeries objects, you can use only the following characters:

- Uppercase A-Z
- Lowercase a-z
- Integers 0-9
- Period (.)
- Forward slash (/)
- Underscore (_)
- Percent sign(%)

User action: Replace the nonvalid characters in the string, then retry the command.

AMQ3552 Internal error in the DISPLAY command.
Return code = *code*.

Explanation: The MQSC command is syntactically correct, but the queue manager could not perform the command.

User action: Look up the return code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then stop and restart the MQ connection. If the error persists, contact your MQSeries administrator.

AMQ3553 Insufficient memory for the DISPLAY command.

Explanation: MQ cannot allocate sufficient memory to display all the information generated by the DISPLAY command.

User action: If you used an asterisk (*) to specify a generic name, retry the command using a more restrictive name so MQ has to display fewer objects. If you cannot do this, free some memory by stopping some applications you are no longer using, then retry the command.

AMQ3554 The TYPE value specified is not supported for this DISPLAY command.

Explanation: Either:

- You have specified a queue type on the DISPLAY CHANNEL command.
- You have specified a channel type on the DISPLAY QUEUE command.

User action: Retry the command using the correct syntax. For explanations of the syntax of the MQSC commands, see the *MQSeries Command Reference*.

AMQ3555 MQSeries object *name* not found.

Explanation: There are no objects matching the name you specified in the command.

User action: If you expected MQ to return information, retry the command, ensuring you type the correct object name.

AMQ3601 MQSeries for Windows has failed to verify correctly. Please see the *MQSeries for Windows User's Guide* for more information.
Reason: *reason*.

Explanation: The *reason* describes the task that the Verify program was attempting when it found an error.

User action: For information on the possible causes of this message, see the *MQSeries for Windows User's Guide*. If you cannot rectify the problem, uninstall the product, reinstall it, then retry the Verify program. If the error persists, contact your MQ administrator.

AMQ3700 Command server started successfully for queue manager *name*.

Explanation: The operation was successful.

User action: None required.

AMQ3701 Command server stopped successfully.

Explanation: The operation was successful.

User action: None required.

AMQ3702 Cannot stop command server. Return code = *code*.

Explanation: There is an internal error in the command server.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then restart the command server. If the error persists, stop the connection, then restart it and the command server. If this does not solve the problem, contact your MQSeries administrator.

AMQ3703 Cannot create the command queue. Return code = *code*.

Explanation: The command queue (SYSTEM.ADMIN.COMMAND.QUEUE) does not exist and MQ cannot create it.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. If the error persists, contact your MQSeries administrator.

AMQ3704 Cannot open the command queue. Return code = *code*.

Explanation: MQ cannot open the command queue (SYSTEM.ADMIN.COMMAND.QUEUE).

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. If the error persists, contact your MQSeries administrator.

AMQ3705 Cannot allocate memory to service the command queue.

Explanation: The command server must allocate sufficient memory to service the longest message on the command queue. This memory is not available.

User action: Free some memory by stopping any applications you no longer need to run, then restart the command server.

AMQ3706 Cannot query the attributes of the command queue. Return code = *code*.

Explanation: The command server uses the MQINQ call to find the length of the longest message on the command queue. This call has failed.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. If the error persists, contact your MQSeries administrator.

AMQ3707 Internal error in the command server. Return code = *code*.

Explanation: There is an internal error in the command server.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then restart the command server. If the error persists, stop the connection, then restart it and the command server. If this does not solve the problem, contact your MQSeries administrator.

AMQ3708 The reply-to queue does not exist.

Explanation: The reply-to queue specified in the PCF command does not exist. The command server cannot process the command.

User action: Before you retry the command, ensure that all the queues required by the PCF application exist on the queue manager.

AMQ3709 Cannot open or put a message on the reply-to queue. Return code = code.

Explanation: MQ cannot open the reply-to queue or it cannot put a message on the queue.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. If the error persists, contact your MQSeries administrator.

AMQ3710 Cannot close the reply-to queue. Return code = code.

Explanation: MQ cannot close the reply-to queue. queue.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. If the error persists, contact your MQSeries administrator.

AMQ3711 Internal error in the command server. Return code = code.

Explanation: There is an internal error in the command server.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then restart the command server. If the error persists, stop the connection, then restart it and the command server. If this does not solve the problem, contact your MQSeries administrator.

AMQ3712 Cannot get a message from the administration command queue. Return code = code.

Explanation: MQ cannot get a message from the administration command queue (SYSTEM.ADMIN.COMMAND.QUEUE). The command server has stopped.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then restart the command server. If the error persists, contact your MQSeries administrator.

AMQ3713 Internal error in the command server. Return code = code.

Explanation: There is an internal error in the command server.

User action: Look up the reason code in the *MQSeries for Windows User's Guide* and try to correct the problem. Then restart the command server. If the error persists, stop the connection, then restart it and the command server. If this does not solve the problem, contact your MQSeries administrator.

AMQ3714 Cannot get messages from the administration command queue because it is inhibited.

Explanation: The InhibitGet attribute of the administration command queue (SYSTEM.ADMIN.COMMAND.QUEUE) is set so that MQGET calls are not allowed. This means the command server cannot get messages from the queue.

User action: If you do not want to prevent MQGET calls, change the InhibitGet attribute of the queue to allow MQGET calls. To do this on the Complete version of the product, use the Components page of the MQSeries Properties dialog box. To do this on the Compact version of the product, use an MQSC command.

AMQ3715 The administration command queue is no longer inhibited.

Explanation: The InhibitGet attribute of the administration command queue (SYSTEM.ADMIN.COMMAND.QUEUE) has been changed so that MQGET calls are now allowed. This means the command server can get messages from the queue.

User action: None required.

AMQ3801 Connection broken; there is a problem with the queue manager.

Explanation: The connection is stopped because there is a problem with its queue manager.

User action: For more information, use the MQSeries Properties dialog to view the status of the queue manager. Then restart the connection.

AMQ3802 Connection broken; there is a problem with the channel group.

Explanation: The connection is stopped because there is a problem with its channel group.

User action: For more information, use the MQSeries Properties dialog to view the status of the channel group. Then restart the connection.

AMQ3803 Connection broken; there is a problem with the phonebook entry.

Explanation: The connection is stopped because there is a problem with its phonebook entry.

User action: For more information, use the MQSeries Properties dialog to view the status of the phonebook entry. Then restart the connection.

AMQ3804 Channel group broken; there is a problem with the listener.

Explanation: The connection is stopped because there is a problem with the listener in its channel group.

User action: For more information, use the MQSeries Properties dialog to view the status of the listener. Then restart the connection.

AMQ3805 Channel group broken; there is a problem with one or more channels.

Explanation: The connection is stopped because there is a problem with one or more of the channels in its channel group.

User action: For more information, use the MQSeries Properties dialog to view the status of the channels. Then restart the connection.

AMQ4000-AMQ4999 MQSeries for Windows NT User Interface messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

AMQ4000 Default object not found. Cannot create a new object because the default object for the object type could not be found.

Explanation: When you create a new object, the initial values of the object's attributes are copied from an object called a default object. Each type of MQSeries object has a separate default object. The MQSeries Explorer could not obtain the attributes of the default object for the type of object that you were trying to create.

User action: Use the MQSeries administration tools on the queue manager experiencing the problem to ensure that all of the default objects are intact.

AMQ4001 The queue manager specified is already shown in the console.

AMQ4002 Are you sure you want to delete this object?

AMQ4003 MQSeries system objects are used internally by MQSeries. You are advised not to delete them. Do you want to keep the MQSeries system object?

AMQ4004 Clear all messages from the queue?

AMQ4005 The object has been replaced or deleted. The properties could not be applied.

AMQ4006 The channel was pinged successfully. MQSeries successfully sent data to the remote queue manager and then received the data returned.

AMQ4007 The message sequence number for the channel was reset.

AMQ4008 The request to start the channel was accepted.

AMQ4009 The request to stop the channel was accepted.

AMQ4010 The in-doubt state was resolved.

AMQ4011 The queue has been cleared of messages.

AMQ4012 The object was created successfully but it is not visible in the current view with the settings for visible objects.

Explanation: None

User action: None

AMQ4013 You cannot run the MQSeries Explorer snap-in because you do not have authority to administer MQSeries.

Explanation: You must be in the Administrators group, in the mqm group, or logged on with the SYSTEM ID to administer MQSeries.

User action: None

AMQ4014 The character '&1' was not valid.

AMQ4015 Supply a non-blank name.

AMQ4016 The test message was put successfully.

Explanation: None

User action: None

AMQ4017 The IBM MQSeries Explorer snap-in requires Microsoft Management Console Version 1.1 or later. Install a suitable version of the MMC and retry the operation.

AMQ4018 The IBM MQSeries Explorer snap-in failed to initialize properly.

Explanation: The MQSeries Explorer experienced a problem during initialization when it was loaded by the Microsoft Management Console. This normally indicates that a piece of the underlying software could not be initialized.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved.

AMQ4019 An object called &1 of the same type already exists. Do you want to replace the definition of the existing object?

AMQ4020 The changes you are making to the attributes of object &1 will affect the operation of the queue manager or another program currently using the object. Would you like to force the change to the object's attributes?

AMQ4021 Failed to access one or more MQSeries objects. The objects' icons have been marked to indicate the objects in error.

Explanation: An operation which accessed multiple MQSeries objects was only partially successful. Some of the objects could not be accessed but the errors on the individual objects were not reported separately. An example of such an error is insufficient authority to obtain the attributes of an object.

User action: To establish the cause of the problem on a particular object, select the object and refresh it.

AMQ4022 You cannot specify the same name for the initiation queue as the name of the queue itself. Specify another queue name.

AMQ4023 The queue manager '&1' does not exist on this computer.

AMQ4024 The object cannot be replaced. Delete the object and retry the operation.

AMQ4025 The changes made to the cluster attributes of the queue will take effect once they have propagated across the network. You must refresh any views containing the cluster queues in the affected clusters to show the changes.

AMQ4026 You have created a queue which is shared in one or more clusters. The queue will be available as a cluster queue once its definition has propagated across the network. You must refresh any views containing the cluster queues in the affected clusters to show the cluster queue.

AMQ4027 An error occurred connecting to the queue manager. Are you sure you want to show this queue manager in the console?

AMQ4028 Platform not supported.

Explanation: This queue manager cannot be administered by the MQSeries Explorer because it is running on an unsupported platform. The value &1 for the Platform attribute of the queue manager is not supported by the MQSeries Explorer.

User action: None

AMQ4029 Command level too low.

Explanation: This queue manager cannot be administered by the MQSeries Explorer because the command level of the queue manager is less than &1. You will have to upgrade the queue manager to a newer version of MQSeries.

User action: None

AMQ4030 Codepage conversion table not found. This queue manager cannot be administered by the MQSeries Explorer because a codepage conversion table was not found. Install a codepage conversion table from CCSID &1 to CCSID &2 on the computer on which the MQSeries Explorer is running.

Explanation: None

User action: None

AMQ4031 CCSID not found. This queue manager cannot be administered by the MQSeries Explorer because CCSID &1 cannot be found in the CCSID table. The MQSeries Explorer cannot convert character data to or from the unrecognized CCSID.

User action: None

AMQ4032 Command server not available.

Explanation: If the command server is not running, start the command server and retry. Ensure that the queue called SYSTEM.ADMIN.COMMAND.QUEUE is configured to enable programs to get messages off it.

User action: None

AMQ4033 Gets inhibited for the queue. Cannot get messages from the queue.

AMQ4034 Message too long.

Explanation: You tried to put a message on a queue that was larger than the maximum allowed for the queue or queue manager.

User action: None

AMQ4035 No message available. The response message did not arrive within a reasonable amount of time.

Explanation: The MQSeries Explorer was expecting a response message from the command server. The message did not arrive within 30 seconds. This may indicate a transient problem that caused an unusual delay in receiving a response. Alternatively, it may indicate a problem with the command server of the queue manager being administered.

User action: Retry the operation. If the error persists, examine the problem determination information on the queue manager's computer to see if the command server recorded any problem determination information.

AMQ4036 Access not authorized. You are not authorized to perform this operation.

AMQ4037 Object definition changed since opened.

AMQ4038 Object damaged. The object was damaged and could not be accessed. The object may be deleted. Alternatively, it may be possible to recover it from a media image or backup.

Explanation: None

User action: None

AMQ4039 Object in use.

Explanation: The object was already open from another application. To change the attributes of an object, specify the Force option as 'Yes' to apply the changes. If you do this, any applications using the object must close and reopen the object to proceed.

User action: None

AMQ4040 Puts inhibited for this queue. Cannot put messages to this queue.

AMQ4041 Queue is deleted.

AMQ4042 Queue full. The queue contains the maximum number of messages.

AMQ4043 Queue manager not available for connection.

Explanation: Ensure that the queue manager is running. If the queue manager is running on another computer, ensure it is configured to accept remote connections.

User action: None

AMQ4044 Queue manager stopping.

AMQ4045 Queue not empty. The queue contains one or more messages or uncommitted put or get requests.

AMQ4046 Insufficient system resources available.

Explanation: The operation failed due to a resource shortage. Possible causes include shortage of disk space or virtual memory.

User action: Examine the problem determination information on the queue manager's computer to establish the type of resource which has been exhausted. Rectify the problem and retry the operation.

AMQ4047 Insufficient storage available.**AMQ4048 Unexpected error.**

Explanation: An unexpected error occurred during the operation.

User action: Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4049 Unknown object name.**AMQ4050 Allocation failed. An attempt to allocate a conversation to a remote system failed. The error may be due to an invalid entry in the channel definition or it may be that the listening program at the remote system was not running.****AMQ4051 Bind failed. The bind to a remote system during session negotiation failed.**

Explanation: An attempt to bind the TCP/IP socket to the listener port was unsuccessful.

User action: The failure could be due to another program using the same port number. Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4052 Coded character-set ID error. Cannot convert a command message to the CCSID of the target queue manager.**AMQ4053 Channel in doubt. The operation could not complete because the channel was in doubt.**

Explanation: The operation cannot be completed because the channel is in doubt. This is a normal but transitory state for an MQSeries channel.

User action: Examine the status of the channel, and either restart the channel to resolve the in-doubt state, or resolve the channel manually from the sending end of the channel.

AMQ4054 Channel in use.

Explanation: An attempt was made to perform an operation on a channel, but the channel is currently active.

User action: None

AMQ4055 Channel status not found.

Explanation: No channel status is available for this channel. This may indicate that the channel has not been used.

User action: None

AMQ4056 Command failed.

Explanation: The MQSeries Explorer issued a command to the queue manager's command server. The command failed but the reason could not be diagnosed.

User action: Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4057 Configuration error.

Explanation: A configuration error was detected in the channel definition or communication subsystem; allocation of a conversation was not possible.

User action: None

AMQ4058 Connection closed.

Explanation: An error occurred while receiving data from a remote system. The connection to the remote system has unexpectedly terminated.

User action: None

AMQ4059 Connection refused.

Explanation: Could not establish a connection to a remote system. The remote system might not have been configured to allow a connection from this system.

User action: None

AMQ4060 Dynamic queue scope error.

Explanation: The Scope attribute of the queue was set to MQSCO_CELL but this is not allowed for a dynamic queue.

User action: None

AMQ4061 Remote system not available.

Explanation: Could not allocate a conversation to a remote system. The error may be transitory so the allocate may succeed later.

User action: None

AMQ4062 The MQINQ call failed.

Explanation: The queue manager issued an MQINQ call to inquire about an MQSeries object. The call failed.

User action: Check the queue manager's error log for more information about the error.

AMQ4063 The MQOPEN call failed.

Explanation: The queue manager issued an MQOPEN call to open an MQSeries object. The call failed.

User action: Check the queue manager's error log for more information about the error.

AMQ4064 The MQSET call failed.

Explanation: The queue manager issued an MQSET call to set the values of the attributes of an MQSeries object. The call failed.

User action: Check the queue manager's error log for more information about the error.

AMQ4065 Message sequence number error.

Explanation: The message sequence number parameter was not valid.

User action: None

AMQ4066 Message truncated.

Explanation: The command server received a message that was larger than its maximum valid message size.

User action: None

AMQ4067 Communications manager not available. The communications subsystem is not available.

Explanation: An attempt was made to use the communications subsystem but it has not been started.

User action: Start the communications subsystem and retry the operation.

AMQ4068 Queue is not a transmission queue.

Explanation: The queue specified in the channel definition was not a transmission queue.

User action: None

AMQ4069 Object already exists.

Explanation: Could not create object because the object already existed.

User action: None

AMQ4070 Object is open.

Explanation: An attempt was made to delete or change an object that was in use.

User action: Wait until the object is not in use and retry.

AMQ4071 Object has wrong type.

Explanation: Could not replace a queue object of a different type.

User action: None

AMQ4072 Queue already exists in cell.

Explanation: Could not define a queue with cell scope or change the scope of an existing queue from queue-manager scope to cell scope because a queue with that name already existed in the cell.

User action: None

AMQ4073 Ping error.

Explanation: You can only ping a sender or server channel.

User action: If the local channel is a receiver channel, ping from the remote queue manager.

AMQ4074 Receive failed.

Explanation: The receive operation failed. This may be caused by a communications failure.

User action: None

AMQ4075 Error while receiving data.

Explanation: An error occurred while receiving data from a remote system. This may be caused by a communications failure.

User action: None

AMQ4076 Remote queue manager terminating.

Explanation: The channel stopped because the remote queue manager was terminating.

User action: None

AMQ4077 Remote queue manager not available.

Explanation: The channel could not be started because the remote queue manager was not available. Ensure that the remote queue manager is started and that it is configured to accept incoming communication requests.

User action: None

AMQ4078 Send failed.

Explanation: An error occurred while sending data to a remote system. This may be caused by a communications failure.

User action: None

AMQ4079 Channel terminated by security exit.

Explanation: A channel security exit terminated the channel.

User action: None

AMQ4080 Remote channel not known.

Explanation: There is no definition of this channel on the remote system.

User action: None

AMQ4081 User exit not available.

Explanation: The channel was terminated because the user exit specified does not exist.

User action: None

AMQ4082 Unexpected MQSeries error (&1).

Explanation: An unexpected error occurred during the operation. The MQSeries reason code reported was &1.

User action: Read the description of the reason code in the MQSeries Application Programming Reference or Programmable System Administration manual. Examine the problem determination information on this computer and also on the queue manager's computer to establish the cause of the error.

AMQ4083 Queue manager name not known.

Explanation: If the queue manager is remote, this may indicate that another queue manager is using the same connection name. Queue managers using TCP/IP on the same computer must listen on different port numbers. This means that they will also have different connection names.

User action: None

AMQ4084 Cell directory is not available.

Explanation: The Scope attribute of the queue was set to MQSCO_CELL but no name service supporting a cell directory has been configured.

User action: None

AMQ4085 No name supplied for transmission queue.

Explanation: None

User action: You must supply a non-blank transmission queue name for this channel type.

AMQ4086 No connection name supplied.

Explanation: None

User action: Supply a non-blank connection name for this channel type.

AMQ4087 An error occurred while trying to use a cluster resource.

Explanation: None

User action: Check that the queues whose names start with 'SYSTEM.CLUSTER.' are not full and that messages are allowed to be put on them.

AMQ4088 Cannot share transmission queue in cluster.

Explanation: The queue is a transmission queue and cannot be shared in a cluster.

User action: None

AMQ4089 Puts inhibited for system command queue. Cannot put messages to the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE'.

AMQ4090 The MQSeries Explorer uses the queue called 'SYSTEM.ADMIN.COMMAND.QUEUE'. Are you sure you want to continue?

Explanation: If you inhibit puts or gets for this queue, you will no longer be able to administer the queue manager using the MQSeries Explorer.

User action: None

AMQ4091 Cannot connect to remote queue manager.

Explanation: The remote queue manager is accepting connections on an unsupported protocol. The MQSeries Explorer only supports connections to remote queue managers using the TCP/IP protocol.

User action: None

AMQ4092 Leaving cluster requires change to a namelist.

Explanation: The queue manager's membership of the cluster is defined using a namelist '&2'.

User action: To remove the queue manager from the cluster, remove '&1' from the namelist ensuring that you do not inadvertently affect other the definitions of other objects using the namelist.

AMQ4093 The cluster specified is already shown in the console.

AMQ4094 An error occurred adding this cluster to the console. Are you sure you want to show this cluster in the console?

AMQ4095 Queue manager '&1' is not a repository queue manager for cluster '&2'.

Explanation: The MQSeries Explorer needs a connection to a repository queue manager to administer the cluster.

User action: None

AMQ4096 Are you sure you want to clear the password for this channel?

AMQ4097 Unmatched quotation mark. The attribute can contain a list of values.

Explanation: Each value may be enclosed in a pair of single or double quotation marks. A quotation mark may be included in a value by using a pair of quotation marks.

User action: None

AMQ4098 Invalid list format. The attribute can contain a list of values. Each pair of values must be separated by a space or a comma. Values may be enclosed in single or double quotation marks. Quotation marks are only required for values which contain spaces, commas or quotation marks.

AMQ4099 Cannot communicate with one or more repository queue managers.

Explanation: Cluster '&1' is configured to use one or more repository queue managers which communicate using a protocol other than TCP/IP. The MQSeries Explorer can only establish connections to remote queue managers using TCP/IP.

User action: To complete removal of the queue manager from the cluster, you must issue the RESET CLUSTER ACTION(FORCEREMOVE) command from the repository queue managers.

AMQ4100 The MMC document file <filename> could not be created. The IBM MQSeries Services console has failed to initialize.

Explanation: The service program has attempted to create a default MSC document file in the MQM "\bin" directory, but could not.

User action: Check that the disk is not full, and that the user has create and write permissions in the MQM bin directory.

AMQ4101 The IBM MQSeries Services could not be stopped. The error message is: <error message>.

Explanation: The task bar program has attempted to stop the IBM MQSeries service. The error message supplied has been generated by the windows NT service control manager.

User action: None

AMQ4102 Shutting down IBM MQSeries will terminate all running queue managers and MQSeries processes. Are you sure you want to continue?

Explanation: None

User action: None

AMQ4106 IBM MQSeries Services has been installed successfully.

AMQ4107 The Service Control handler could not be registered.

Explanation: There is a problem installing or running the IBM MQSeries service.

User action: None

AMQ4108 A general error has occurred: <message>.

AMQ4109 A COM error has occurred:<message>.

AMQ4110 This queue manager is already stopped.

Explanation: The user has tried to stop a queue manager that is already in the stopped state, or has disabled the service from the hardware profiles in the Windows NT control panel Services applet.

User action: None, or if the service has been disabled from the hardware profile, enable the service.

AMQ4111 This service is already stopped.

Explanation: The user has tried to stop a service that is already in the stopped state.

User action: None

AMQ4112 This service is already running.

Explanation: The user has tried to start a queue manager that is already in the started state.

User action: None

AMQ4113 This queue manager is already running.

Explanation: The user has tried to start a service that is already in the started state.

User action: None

AMQ4114 Invalid parameter specified. Please re-enter this value.

Explanation: The highlighted parameter is not within the valid range for this field.

User action: Correct the field and retry.

AMQ4115 Invalid parameter specified. Please enter a value between min and max.

Explanation: The highlighted parameter is not within the valid range for that field.

User action: Correct the field and retry.

AMQ4116 The queue manager must be stopped before it can be deleted.

Explanation: The user has tried to delete a queue manager that is still running.

User action: Stop the queue manager and try again.

AMQ4117 This action cannot be undone. Are you sure you want to delete the MQSeries queue manager 'queue manager' from your system?

Explanation: None

User action: Select "Yes" to confirm deletion of the queue-manager service, or "No" to continue.

AMQ4118 Could not access the MQSeries Alert Monitor.

Explanation: The snap-in has tried to access or launch the MQSeries alert monitor, but has failed. The COM error is appended to the message.

User action: None

AMQ4119 Could not initialize MQSeries Services utility library AMQMDUIN.

Explanation: The snap-in has tried to access or launch the MQSeries Services utility library, but has failed. The COM error is appended to the message.

User action: None.

AMQ4120 Could not initialize Microsoft Foundation Classes for this thread.

Explanation: The snap-in has tried to initialize the MFC library but has failed. Additional error text is appended to the message.

User action: None.

AMQ4121 Could not access MQSeries Services Channel Initiator.

Explanation: The snap-in has tried to access or launch the MQSeries COM object, but has failed. The COM error is appended to the message.

User action: None

AMQ4122 A general error has occurred. <message>

AMQ4123 Could not access MQSeries Services Listener.

Explanation: The snap-in has tried to access or launch the MQSeries COM object, but has failed. The COM error is appended to the message.

User action: None

AMQ4124 Could not access MQSeries Services Trigger Monitor.

Explanation: The snap-in has tried to access or launch the MQSeries COM object, but has failed. The COM error is appended to the message.

User action: None

AMQ4125 Could not access MQSeries Services COM object.

Explanation: The snap-in has tried to access or launch the MQSeries COM object, but has failed. The COM error is appended to the message.

User action: None

AMQ4126 Could not release advice connections from MQSeries Services objects.

Explanation: The snap-in has tried to release its connections to the Service objects, but a COM error has occurred. Additional error text is appended to the message.

User action: None

AMQ4127 Could not initialize MQSeries Services objects.

Explanation: The snap-in has tried to access or launch the MQSeries COM object, but has failed. The COM error is appended to the message.

User action: None

AMQ4128 The service could not be started. <message>

Explanation: The IBM MQSeries service has tried to start a particular component service of a queue manager, but has failed. The returned error text from the specific service is appended to the message.

User action: None

AMQ4200 There is a problem with the default configuration. Unable to display the Default Configuration window.

Explanation: There is a problem with MQSeries.

User action: Use the 'Details>>' button to show further details about the problem and contact your systems administrator.

AMQ4201 Unable to check if the computer exists on this domain.

Explanation: MQSeries was unable to check if the computer name you entered exists on your computer's domain.

User action: Retry the operation, if the problem persists contact your systems administrator.

AMQ4202 Unable to find the computer name 'name' on this TCP/IP domain 'domain'.

Explanation: MQSeries was unable to locate a computer with this name on your computer's TCP/IP domain.

User action: Enter a different computer name.

AMQ4203 Unable to set up the default configuration.

Explanation: MQSeries was unable to set up the default configuration. This error may occur if MQSeries is busy with another operation.

User action: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4204 Unable to join the default cluster.

Explanation: MQSeries was unable to join your computer to the default cluster. This error may occur if MQSeries is busy with another operation.

User action: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4205 Unable to allow remote administration of the queue manager.

Explanation: MQSeries was unable change the configuration of your queue manager to allow it to be remotely administered. This error may occur if MQSeries is busy with another operation.

User action: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4206 Unable to prevent remote administration of the queue manager.

Explanation: MQSeries was unable change the configuration of your queue manager to prevent it from being remotely administered. This error may occur if MQSeries is busy with another operation.

User action: Retry the operation. If the problem persists, use the 'Details>>' and 'Print' buttons to record further details about the problem and contact your systems administrator.

AMQ4208 Show this panel again the next time the queue manager is started?

Explanation: You can choose whether you want the same panel to be shown the next time this queue manager is started, and the default configuration is not complete.

User action: Select whether you want the panel to be shown next time.

AMQ4209 The TCP/IP name of the remote computer must not be your own computer name.

Explanation: You have selected that the repository queue manager is on another computer, but you have entered the name of your own computer.

User action: Enter the correct name of the repository queue manager.

AMQ4210 The command server must be active to complete this operation. Use the MQSeries Services to start it, then retry the operation.

Explanation: The operation you requested needs the command server to be running.

User action: Use MQSeries Services to start the command server, then retry the operation.

AMQ4211 The computer name entered must be on your local domain domain.

Explanation: The computer name you enter can only be on the same domain as your own computer.

User action: Enter another name which is on the same domain as your own computer.

AMQ4212 Unable to complete this task because you do not have authority to administer MQSeries. You must be in the Administrators group, in the mqm group or logged in with the SYSTEM ID to administer MQSeries.

Explanation: Your userid is not authorized to carry out the operation you requested.

User action: Retry the operation on a userid with the required authority, or contact your systems administrator.

AMQ4251 Cannot Initialize WinSock - TCP/IP may not be installed. Please install TCP/IP and try again.

Explanation: Postcard was not able to initialize the interface to TCP/IP.

User action: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4252 Cannot Find WinSock - TCP/IP may not be installed. Please install TCP/IP and try again.

Explanation: Postcard was not able to find the interface to TCP/IP.

User action: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4253 Cannot get fully qualified TCP/IP domain name - Please ensure that the TCP/IP protocol is configured.

Explanation: Postcard was not able to determine the TCP/IP domain name for your computer.

User action: Check that TCP/IP has been installed successfully. If the problem persists, refer to your systems administrator.

AMQ4254 Failed to Allocate System Memory - Please contact your system administrator.

Explanation: Postcard was not able to allocate enough memory to run correctly.

User action: Close other programs to release system memory. If the problem persists, refer to your systems administrator.

AMQ4257 The call MQCONN failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to connect to the queue manager in order to send the postcard. This error may occur if MQSeries is busy with another operation.

User action: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4258 The call MQOPEN failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if MQSeries is busy with another operation.

User action: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4259 The call MQCLOSE failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to close the queue after sending the postcard. This error may occur if MQSeries is busy with another operation.

User action: If the problem persists contact your systems administrator.

AMQ4260 The call MQDISC failed while preparing for a Put operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to disconnect from the queue manager after sending the postcard. This error may occur if MQSeries is busy with another operation.

User action: If the problem persists contact your systems administrator.

AMQ4261 The call MQPUT failed with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to send the postcard by putting its data to the queue. This error may occur if MQSeries is busy with another operation.

User action: Try to send the postcard again. If the problem persists contact your systems administrator.

AMQ4262 The call MQCONN failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to connect to the queue manager in order to receive postcards. This error may occur if MQSeries is busy with another operation.

User action: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4263 The call MQOPEN failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to open a queue in order to send the postcard. This error may occur if MQSeries is busy with another operation.

User action: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4264 The call MQCLOSE failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to close the queue after receiving postcards. This error may occur if MQSeries is busy with another operation.

User action: If the problem persists contact your systems administrator.

AMQ4265 The call MQDISC failed while preparing for a Get operation, with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to disconnect from the queue manager after receiving postcards. This error may occur if MQSeries is busy with another operation.

User action: If the problem persists contact your systems administrator.

AMQ4267 The call MQGET failed with Completion Code 'completion-code (number)', Reason Code 'reason-code (number)'.

Explanation: An error occurred when Postcard tried to receive a postcards by getting its data from the queue. This error may occur if MQSeries is busy with another operation.

User action: Restart Postcard. If the problem persists contact your systems administrator.

AMQ4268 Postcard is unable to contact the queue manager on the remote computer. Verify that the default configuration is up and running on the remote computer.

Explanation: Postcard was not able to open the queue needed to send the postcard to the remote computer.

User action: Check that the remote computer is switched on, and connected to the network on the same TCP/IP domain as your computer. It must also have the MQSeries default configuration set up and complete. If the problem persists contact your systems administrator.

AMQ4300 "Please supply some text in order for the MQPUT(1) operation to succeed. (AMQ4300)"

Explanation: No text has been supplied for the user so that the MQPUT or MQPUT1 operation can proceed.

User action: Supply some text in the editable area so that the MQPUT or MQPUT1 operation can proceed.

AMQ4301 "Please supply some text in order for the MQPUT operation to succeed. (AMQ4301)"

Explanation: No text has been supplied for the user so that the MQPUT operation may proceed.

User action: Supply some text in the editable area so that the MQPUT may proceed.

AMQ4302 "Please supply some text in order for the MQPUT1 operation to succeed. (AMQ4302)"

Explanation: No text has been supplied for the user so that the MQPUT1 operation may proceed.

User action: Supply some text in the editable area so that the MQPUT1 may proceed.

AMQ4303 "The command server for the queue manager &s is not started. Start the command server and try again. (AMQ4303)"

Explanation: In order for the API Exerciser to function, a command server must be running.

User action: Either start the command server from the MQServices application or run strmqcvs <Queue Manager> from the command line.

AMQ4304 "Problem enumerating queues with reason &s, code (&id). (AMQ4304)"

Explanation: The API Exerciser encountered a problem trying to enumerate queues.

User action: Ensure that the command server is running (from the Service application) and that there are queues configured for the queue manager.

AMQ4305 "There are no queue managers present in the system. Please create one and try again. (AMQ4305)"

Explanation: The API Exerciser could not find any queue managers on the system.

User action: Use the Services application to create one or run crtmqm <Queue Manager>.

AMQ4306 "Memory allocation failure. Stop some other applications and try again. (AMQ4306)"

Explanation: There are not sufficient system resources available in the system to satisfy the running of API Exerciser.

User action: Shut some other applications down and try running the API Exerciser again.

AMQ4350 Setup cannot continue; a later version of MQSeries for Windows NT is installed.

Explanation: Installation detected that a version of MQSeries for Windows later than version 5.1 is already installed on the computer.

User action: Do not attempt to install version 5.1 when a later version is already installed.

AMQ4351 Uninstallation cannot continue; uninstallation is already running.

Explanation: An attempt was made to run two copies of uninstallation at once.

User action: Run only one copy of uninstallation at a time.

AMQ4352 Setup cannot continue; Windows NT Version 4 is required.

Explanation: A version of Windows NT earlier than version 4 is installed.

User action: Do not attempt to install MQSeries for Windows NT on a version of Windows NT earlier than version 4.

AMQ4353 Setup cannot continue; '&s' is not an Administrator.

Explanation: The user running installation does not have administrator authority.

User action: Log off and log back on using a user ID with administrator authority.

AMQ4354 No repository computer name entered.

Explanation: The required computer name of the repository was not entered in the dialog.

User action: Enter the repository computer name.

AMQ4355 Repository computer name is not valid.

Explanation: The entered computer name is not a valid computer name.

User action: Enter a valid computer name.

AMQ4356 Enter a remote computer name.

Explanation: The computer name entered is the name of the computer that is running installation.

User action: Enter the name of a remote computer.

AMQ4357 Registration failed for file '&s' (code &d).

Explanation: An error occurred during the self-registering process for an MQSeries executable file.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4358 Unregistration failed for file '&s' (code &d).

Explanation: An error occurred during the self-unregistering process for an MQSeries executable file.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4359 Unable to register file '&s'.

Explanation: Installation was unable to invoke the system utility regsvr32.exe, or, if the file is a .exe file, was unable to invoke the .exe file.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4360 Unable to unregister file '&s'.

Explanation: Installation was unable to invoke the system utility regsvr32.exe, or, if the file is a .exe file, was unable to invoke the .exe file.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4361 Uninstall cannot continue; Administrator logon required.

Explanation: The user running uninstallation does not have administrator authority.

User action: Log off and log back on using a user ID with administrator authority.

AMQ4362 Failed to create the default configuration.

Explanation: An error occurred creating the default configuration.

User action: Review the installation log file for details of any problems.

AMQ4363 Setup could not detect the Windows NT Service Pack level (Service Pack 3 or later is required). Is Service Pack 3 or later installed?

Explanation: Setup was unable to detect which Service Pack is installed on the computer.

User action: Reply Yes if you know that the indicated Service Pack or a later version is installed, otherwise reply No. Install the Service and then retry.

AMQ4364 Setup could not detect the Windows NT Service Pack level (Service Pack 4 or later is required). Is Service Pack 4 or later installed?

Explanation: Setup was unable to detect which Service Pack is installed on the computer.

User action: Reply Yes if you know that the indicated Service Pack or a later version is installed, otherwise reply No. Install the Service and then retry.

AMQ4365 Setup cannot continue because Service Pack 3 is not installed.

Explanation: The required Service Pack level is not installed.

User action: Install the Service Pack and retry.

AMQ4366 Setup cannot continue because Service Pack 4 is not installed.

Explanation: The required Service Pack level is not installed.

User action: Install the Service Pack and retry.

AMQ4367 Setup cannot continue because Internet Explorer Version 4 is not installed.

Explanation: MQSeries requires some system files that are part of Internet Explorer 4.01.

User action: Install Internet Explorer 4.01 and then retry. You do not have to use Internet Explorer as an Internet browser; just the files are required.

AMQ4368 Select at least one component to continue.

Explanation: No MQSeries components were selected for installation.

User action: Select one or more components.

AMQ4369 The 'Web Administration Server' component requires the 'Server' component.

Explanation: You cannot install the Web Administration Server component without installing the Server component.

User action: Select both components, just the Server component or neither of these.

AMQ4370 Uninstallation of the 'Server' component requires uninstallation of the 'Web Administration Server' component.

Explanation: You cannot uninstall the Server component without uninstalling the Web Administration Server component.

User action: Select both components, just the Web Administration Server component or neither of these.

AMQ4371 The 'Documentation in Other Languages' component requires the 'Documentation in English' component.

Explanation: You cannot select one of the Documentation in Other Languages subcomponents without selecting one of the Documentation in English subcomponents.

User action: Select one or more of the Documentation in English subcomponents, one or more of both sets of subcomponents, or none of these.

AMQ4372 Uninstallation of the 'Documentation in English' component requires uninstallation of the 'Other Documentation Languages' component.

Explanation: You cannot uninstall the Documentation in English component without uninstalling the Documentation in Other Languages component.

User action: Uninstall both components, just the Documentation in Other Languages component, or neither of these.

AMQ4373 There is not enough space on drive &s (program files) to install these components. Please free up some disk space or modify your selections.

Explanation: There is not enough space on the indicated drive to install the components you selected.

User action: Select less components or increase the space available on the drive, or go back and select another drive for the program files top-level folder.

AMQ4374 There is not enough space on drive &s (data files) to install these components. Please free up some disk space or modify your selections.

Explanation: There is not enough space on the indicated drive to install the components you selected. **User action:** Select less components or increase the space available on the drive, or go back and select another drive for the data files top-level folder.

AMQ4375 The program files top-level folder is not valid.

Explanation: The program files top-level folder is not a valid path.

User action: Enter a valid path.

AMQ4376 The data files top-level folder is not valid. (AMQ4376)

Explanation: The data files top-level folder is not a valid path.

User action: Enter a valid path.

AMQ4377 The log files folder is not valid. (AMQ4377)

Explanation: The log files folder name is not a valid path.

User action: Enter a valid path.

AMQ4378 A root folder is not allowed for the program files top-level folder. (AMQ4378)

Explanation: MQSeries cannot be installed in a root folder, for example 'c:\'.

User action: Enter a non-root folder.

AMQ4379 A root folder is not allowed for the data files top-level folder. (AMQ4379)

Explanation: MQSeries cannot be installed in a root folder, for example 'c:\'.

User action: Enter a non-root folder.

AMQ4380 A root folder is not allowed for the log files folder. (AMQ4380)

Explanation: MQSeries cannot be installed in a root folder, for example 'c:\'.

User action: Enter a non-root folder.

AMQ4381 There is not enough space on drive &s (log files) to install these components. Please free up some disk space or modify your selections.

Explanation: There is not enough space on the indicated drive to install the components you selected. **User action:** Select less components or increase the space available on the drive, or go back and select another drive for the log files folder.

AMQ4382 Unable to create or replace folder '&s'.

Explanation: An error occurred creating the indicated folder. **User action:** Review the installation log file for details of any problems.

AMQ4383 Uninstallation cannot continue; failed to save queue manager configuration.

Explanation: An error occurred while saving the current queue manager configuration to a file. **User action:** Check that the registry keys under 'HKEY_LOCAL_MACHINE\SOFTWARE\IBM\MQSeries' are readable by an administrator. Check that there is enough space on the drive containing the data files folder (where the configuration is being saved in file \config\config.reg). If the error persists, contact your systems administrator.

AMQ4385 Unknown language specified ('&s').

Explanation: The -l parameter passed to setup.exe specified a language that was unrecognized. **User action:** Specify one of the language names supported by MQSeries Setup.

AMQ4386 Codepage (&d) for specified language not available.

Explanation: The codepage for the specified language is not installed on the computer. **User action:** Install the required language support. Additional language packages for Windows NT 4.0 can be found in the \Langpack folder on the Windows NT CD-ROM. The file 'readme.txt' in that directory explains how to install additional support. If the error persists, contact your systems administrator.

AMQ4387 Before Setup can display help, this computer's help system needs upgrading to HTML Help 1.1. Would you like to upgrade now? (You might need to restart the computer.)

Explanation: The help system on this computer needs upgrading. **User action:** Click Yes to upgrade the help system now (you might be asked to reboot), or No to cancel the help request.

AMQ4388 MQSeries Setup or uninstallation is already running.

Explanation: An attempt was made to run more than one instance of Setup or uninstallation at once. **User action:** Run only one copy of Setup or installation at a time.

AMQ4389 Setup could not create a local 'mqm' group (code &d).

Explanation: An error occurred creating a local user group called 'mqm'. **User action:** Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4390 Setup could not create a global 'mqm' group (code &d).

Explanation: An error occurred creating a local user group called 'mqm'. **User action:** Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4391 Setup could not find the global 'mqm' group. (AMQ4391)

Explanation: The global 'mqm' group was created, but could not then be found. **User action:** Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4392 Setup could not add the global 'mqm' group to the local 'mqm' group (code &d).

Explanation: An error occurred adding the global 'mqm' group to the local 'mqm' group. **User action:** Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4393 No ports were specified; no listeners will be created.

Explanation: No TCP/IP ports were entered in the dialog, so no listeners will be created for the listed queue managers. **User action:** If this is what was intended then continue, otherwise go back to the dialog and enter one or more port numbers.

AMQ4394 No queue managers are selected for remote administration.

Explanation: No queue managers were selected from the list, so no queue managers will be enabled for remote administration. **User action:** If this is what was intended then continue, otherwise go back to the dialog and select one or more queue managers.

AMQ4395 One or more 'Server' component prerequisites were not selected; the component cannot be installed.

Explanation: One or more prerequisite software items for the Server component were not selected to be installed. **User action:** If the Server component is not required then continue, otherwise return to the dialog and select the prerequisite components, or exit Setup, install the prerequisite items, and restart Setup.

AMQ4396 One or more prerequisite upgrades were not selected; MQSeries will not operate correctly.

Explanation: One or more prerequisite software items for MQSeries were not selected to be installed.

User action: Either return to the dialog and select the items, or exit Setup, install the prerequisite items, and restart Setup.

AMQ4397 Cannot install on a network drive (drive &s).

Explanation: One of the drives for the installation folders is a network drive.

User action: Select installation folders that are on local drives.

AMQ4398 Cannot start the selected application as TCP/IP is not installed on this machine.

Explanation: In order to run either MQSeries Explorer, Postcard or Default Configuration applications, it is necessary to have TCP/IP installed and configured on your machine. All other First Steps application can still be run.

User action: If you need to run these applications, you must install and configure TCP/IP on your machine.

AMQ4399 Cannot start the selected application. Return code = &d.

Explanation: There has been a general problem in starting the selected application. The return code is &d.

User action: Retry the operation. If the problem persists, look up the return code in the NT documentation, or contact the systems administrator.

AMQ4500 You are about to forcibly remove queue manager '&1' from cluster '&2'. Are you sure you want to forcibly remove the queue manager from the cluster?

Explanation: None

User action: You should only do this to remove a queue manager from a cluster when it has already been deleted and cannot be removed from the cluster in the normal way.

AMQ4501 Queue manager successfully removed from cluster.

Explanation: The queue manager may still appear as a member of the cluster until the configuration changes have propagated across the network.

User action: None

AMQ4502 You have shared the queue in cluster '&1'.

Explanation: The queue manager is not a member of this cluster.

User action: To make the queue available to the members of this cluster, you must join the queue manager to the cluster.

AMQ4503 List of values too long. The list of values which you have entered is too long. The total number of significant characters allowed for this value is &1.

AMQ4504 Value too long. You have entered a value containing too many characters. The maximum number of characters allowed for each value of this attribute is &1.

AMQ4505 Too many entries in list. You have entered too many values in the list. The maximum number of values is &1.

AMQ4506 Cannot connect to queue manager '&1'.

Explanation: The queue manager cannot be removed from the cluster in the normal way.

User action: Retry the operation when the queue manager is available. If the queue manager no longer exists, you may choose to forcibly remove the queue manager from the cluster.

AMQ4507 Remote queue manager not using TCP/IP.

Explanation: The connection information available for the remote queue manager uses a communication protocol other than TCP/IP. The MQSeries Explorer cannot connect to the queue manager to remove it from the cluster in the normal way. If the queue manager no longer exists, you may choose to forcibly remove the queue manager from the cluster.

User action: None

AMQ4508 Queue manager successfully left cluster. The queue manager may still appear as a member of the cluster until the configuration changes have propagated across the network.

Explanation: None

User action: None

AMQ4509 The request to suspend membership of the cluster has been accepted.

AMQ4510 The request to resume membership of the cluster has been accepted.

AMQ4511 The queue manager is not a member of the cluster.

AMQ4512 The MQSeries DLL '&1' cannot be loaded.

Explanation: The MQSeries Explorer failed to load the DLL '&1'. This indicates that the MQSeries installation on this computer has been corrupted.

User action: Re-install MQSeries on this computer to re-instate the DLL.

AMQ4513 The request to refresh the information about the cluster has been accepted.

AMQ4514 The queue manager is not a member of cluster '&1'.

Explanation: The object which you have shared in the cluster will not be available to other members of the cluster until you make this queue manager a member of the cluster.

User action: None

AMQ4550 The two queue manager names must be different.

Explanation: You entered the same name for the two queue managers that are to be made repositories for the cluster. The two repositories must be made on different queue managers.

User action: Enter a different name for one of the repository queue managers.

AMQ4551 Unable to connect to the queue manager called 'name'. Please check the correct queue manager has been chosen and that the queue manager is started.

Explanation: The queue manager you choose to be made a repository for the cluster must already exist, and be started.

User action: Enter the name of an existing queue manager that is started.

AMQ4552 Queue manager 'name' is already a repository queue manager. Choose another queue manager and continue with the Wizard, otherwise refer to the MQSeries Queue Manager Clusters manual.

Explanation: The Wizard is only designed to work with queue managers that are not already a repository queue manager.

User action: Choose a queue manager that is not already a repository queue manager. If you want to work with a queue manager that is already a repository, then you must enter the necessary commands yourself, refer to the MQSeries Queue Manager Clusters manual for more information.

AMQ4553 Queue manager 'name' is not a repository queue manager. Please choose another queue manager.

Explanation: The Wizard needs to know the name of one of the queue managers that is already a repository for the cluster. The queue manager you entered is not a repository queue manager.

User action: Enter the name and connection name of one of the existing repository queue managers for the cluster.

AMQ4554 Please enter no more than number characters.

Explanation: You entered too many characters.

User action: The name you choose must be no longer than number characters long.

AMQ4555 The port number 'number' is not valid. Please choose another number.

Explanation: The number you entered is not a valid port number.

User action: Enter a valid number.

AMQ4556 The port number 'number' is already being used by another queue manager. Please choose another number.

Explanation: The port number you entered is already in use.

User action: Choose a different port number.

AMQ4557 Unable to use name 'name', a cluster receiver with this name already exists on queue manager 'queue-manager'. Please choose another name.

Explanation: Cluster receiver channel names on a queue manager must be unique. A cluster receiver channel with the name you entered already exists.

User action: Choose a different name.

AMQ4558 Cluster receiver 'name' does not exist on queue manager 'queue-manager'. Please enter the correct name.

Explanation: The Wizard needs to know the name of the existing cluster receiver channel on the queue manager. The name you entered does not exist.

User action: Enter the correct name of the cluster receiver channel.

AMQ4559 Unable to use name 'name', a channel with this name already exists on queue manager 'queue-manager'. Resolving this situation requires renaming channels or using namelists, which is beyond the scope of this wizard.

Explanation: To communicate with the repository queue manager, a new cluster sender needs to be created on the joining queue manager 'queue-manager' that matches the name of the cluster receiver channel 'name' on the repository. A channel with that name already exists on the joining queue manager.

User action: To resolve this situation you need to rename the channels on the cluster, or use a namelist. Refer to the MQSeries Queue Manager Clusters manual for more information.

AMQ4560 Unable to create a repository on queue manger 'queue-manager' on connection 'connection-name'.

Explanation: The Wizard was unable to create a repository on the queue manager.

User action: Use the 'Details>>' button to show further details about the problem and refer to the MQSeries Queue Manager Clusters manual or to your systems administrator.

AMQ4561 Unable to create cluster sender channel 'name' on queue manager 'queue-manager'.

Explanation: The Wizard was unable to create a cluster sender channel on the queue manager.

User action: Use the 'Details>>' button to show further details about the problem and refer to the MQSeries Queue Manager Clusters manual or to your systems administrator.

AMQ4562 Unable to create cluster receiver channel 'name' on queue manager 'queue-manager'.

Explanation: The Wizard was unable to create a cluster receiver channel on the queue manager.

User action: Use the 'Details>>' button to show further details about the problem and refer to the MQSeries Queue Manager Clusters manual or to your systems administrator.

AMQ4563 Unable to start a listener on queue manager 'queue-manager'.

Explanation: The Wizard was unable to start a listener on the queue manager.

User action: Use the 'Details>>' button to show further details about the problem and refer to the MQSeries Queue Manager Clusters manual or to your systems administrator.

AMQ4564 Unable to use name 'name', a channel with this name already exists on queue manager 'queue-manager'. Please choose another name.

Explanation: Channel names on a queue manager must be unique. A channel with the name you entered already exists.

User action: Choose a different name.

AMQ4703 One or more problems occurred during Setup. Review '&s' for details.

Explanation: Setup was only partially successful.

User action: Review the installation log file for details of any problems.

AMQ4704 If specified, TCP/IP domain must be '&s'.

Explanation: The computer with the cluster repository must be in the same TCP/IP domain as this computer.

User action: Enter the name of a computer in the local domain.

AMQ4705 Current service level is '&s'. Re-apply service after Setup completes.

Explanation: Some service has been applied to the current installation. Installation or reinstallation of MQSeries components might regress some files.

User action: Review the instructions that came with the service that was applied. If necessary re-apply the service.

AMQ4706 Dialog '&s' failed.

Explanation: An internal error occurred displaying a dialog.

User action: Retry. If the error persists, contact your systems administrator.

AMQ4707 Error migrating '&s'.

Explanation: An error occurred migrating a .ini file to the registry.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4708 Error creating remote administration channel for queue manager '&s'.

Explanation: A channel for the indicated queue manager could not be created.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4709 Error creating TCP/IP listener for queue manager '&s'.

Explanation: A listener for the indicated queue manager could not be created.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4710 Error updating '&s' environment variable.

Explanation: An error occurred updating the indicated environment variable in the registry.

User action: Review the installation log file for details of any problems. If the error persists, contact your systems administrator.

AMQ4711 One or more problems occurred during uninstallation. Review '&s' for details.

Explanation: Uninstallation was only partially successful.

User action: If the installation log file is available, review it for details of any problems. If the error persists, contact your systems administrator.

AMQ5000-AMQ5999 Installable services messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ5005 Unexpected error

Explanation: An unexpected error occurred in an internal function of the product.

User action: Save the generated output files and contact your IBM support center.

AMQ5006 Unexpected error: rc = &1

Explanation: An unexpected error occurred in an internal function of the product.

User action: Save the generated output files and contact your IBM support center.

AMQ5008 An essential MQSeries process &1 cannot be found and is assumed to be terminated.

Explanation: 1) A user has inadvertently terminated the process. 2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible it has terminated the process so that a new process can be created.

User action: MQSeries will stop all MQSeries processes. Inform your systems administrator. When the problem is rectified MQSeries can be restarted.

AMQ5009 MQSeries agent process &1 has terminated unexpectedly.

Explanation: MQSeries has detected that an agent process has terminated unexpectedly. The queue manager connection(s) that this process is responsible for will be broken.

User action: Use any previous FFSTs to determine the reason for the failure. Try to eliminate the following reasons before contacting your IBM support center.

1) A user has inadvertently terminated the process.

2) The system is low on resources. Some operating systems terminate processes to free resources. If your system is low on resources, it is possible that the operating system has terminated the process so that a new process can be created.

AMQ5010 The system is restarting the WorkLoad Management Server process.

Explanation: The system has detected that the WorkLoad Management server process (amqzlw0, pid:&1) has stopped and is restarting it.

User action: Save the generated output files which may indicate the reason why the WorkLoad Management process stopped.

If the reason the WorkLoad Management Server process stopped is a problem in a WorkLoad Management user exit correct the problem, otherwise contact your IBM support center.

AMQ5011 MQSeries repository process &1 has ended unexpectedly.

Explanation: MQSeries has detected that the repository process has ended unexpectedly.

User action: Use any previous FFSTs to determine the reason for the failure. Try to eliminate the following reasons before contacting your IBM support center.

1. A user has inadvertently ended the process.

2. The system is low on resources. Some operating systems end processes to free resources. If your system is low on resources, it is possible that the operating system has ended the process in order to create a new process.

AMQ5203 An error occurred calling the XA interface.

Explanation: The error number is &2 where a value of 1 indicates the supplied flags value of &1 was invalid, 2 indicates that there was an attempt to use threaded and non-threaded libraries in the same process, 3 indicates that there was an error with the supplied queue manager name '&3', 4 indicates that the resource manager id of &1 was invalid,

5 indicates that an attempt was made to use a second queue manager called '&3' when another queue manager was already connected,

6 indicates that the Transaction Manager has been called when the application isn't connected to a queue manager, and

7 indicates that the XA call was made while another call was in progress.

User action: Correct the error and try the operation again.

AMQ5204 A non-threaded application tried to run as a Trusted application.

Explanation: Only applications linked with the threaded MQ libraries can run as Trusted applications.

User action: Make sure that the application is relinked with the threaded MQ libraries, or set the the environment variable MQ_CONNECT_TYPE to STANDARD.

AMQ5358 MQSeries could not load AX support module '&3'.

Explanation: An error has occurred loading the AX support module &3. This module needs to be loaded so that dynamically-registering resource managers, such as DB2, can participate in global units of work.

User action: Look for a previous message outlining the reason for the load failure. Message AMQ6175 should have been issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the AX support module and the mqmax library have been correctly installed on your system.

AMQ5501 There was not enough storage to satisfy the request

Explanation: An internal function of the product attempted to obtain storage, but there was none available.

User action: Stop the product and restart it. If this does not resolve the problem, save the generated output files and contact your IBM support center.

AMQ5502 The CDS directory name '&3' is not in the correct format.

Explanation: An internal function of the DCE Naming service found a CDS directory name in the wrong format. The name was expected to start with either '/'... for a fully qualified name (from global root), or './:.' for

User action: Save the generated output files and contact your IBM support center.

AMQ5503 The name of the local DCE cell cannot be determined, status = &1

Explanation: The DCE Naming Service attempted to determine the name of the local DCE cell by calling 'dce_cf_get_cell_name()', which returned a nonzero return code.

User action: Save the generated output files and contact your IBM support center.

AMQ5504 DCE error. No value for the XDS attribute found.

Explanation: The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

User action: Save the generated output files and contact your IBM support center.

AMQ5505 DCE error. No value for the XDS attribute number &1 found.

Explanation: The DCE Naming service called om_get() to get the entry from the object returned by ds_read(). Although the status was correct, no objects were returned.

User action: Save the generated output files and contact your IBM support center.

AMQ5506 DCE error. '&3' returned &1 for attribute number &2.

Explanation: The DCE Naming service queried an object by calling '&3' which returned a nonzero return code.

User action: Save the generated output files and contact your IBM support center.

AMQ5507 DCE error. '&3' failed for an unknown reason.

Explanation: An unexpected error occurred in an internal function of the DCE Naming service.

User action: Save the generated output files and contact your IBM support center.

AMQ5508 DCE error. The requested attribute is not present.

Explanation: The DCE Naming service was attempting to extract the value from an attribute, but the attribute cannot be found in the XDS object.

User action: Save the generated output files and contact your IBM support center.

AMQ5509 DCE error. The XDS workspace cannot be initialized.

Explanation: The DCE Naming service called 'ds_initialize()' to initialize the XDS workspace, but 'ds_initialize()' returned a nonzero return code.

User action: Save the generated output files and contact your IBM support center.

AMQ5510 DCE error. '&3' returned with problem &1.

Explanation: The DCE Naming service found an unexpected XDS error.

User action: Save the generated output files and contact your IBM support center.

AMQ5511 Installable service component '&3' returned '&4'.

Explanation: The internal function, that adds a component to a service, called the component initialization process. This process returned an error.

User action: Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5512 Installable service component '&3' returned '&4' for queue manager name = '&5'.

Explanation: An installable service component returned an unexpected return code.

User action: Check the component was installed correctly. If it was, and the component was supplied by IBM, then save the generated output files and contact your IBM support center. If the component was not supplied by IBM, save the generated output files and follow the support procedure for that component.

AMQ5513 '&3' returned &1.

Explanation: An unexpected error occurred.

User action: Save the generated output files and contact your IBM support center.

AMQ5519 Bad DCE identity. Status = &1, auth = &2, keytab file = '&3', principal = '&4'.

Explanation: The keytab file was not installed correctly, or the MQSeries user ID has a different password from that used to create the keytab file.

User action: Make sure that the MQSeries user ID defined when the product was installed has the same password as that defined by the keytab file, and that the keytab file has been installed correctly.

AMQ5520 The system could not load the module '&5' for the installable service '&3' component '&4'. The system return code was &1. The Queue Manager is continuing without this component.

Explanation: The queue manager configuration file 'qm.ini' included a stanza for the installable service '&3' component '&4' with the module '&5'. The system returned &1 when it tried to load this module. The Queue Manager is continuing without this component.

User action: Make sure that the module can be loaded. Put the module into a directory where the system can load it, and specify its full path and name in the 'qm.ini' file. Then stop and restart the queue manager.

AMQ5521 The system could not open "&3".

Explanation: The system failed to open the default object "&3" at connect time for reason &4. This may be because "&3" has been deleted or changed.

User action: Recreate the default objects by running "strmqm -c <qmgr>" (where <qmgr> is the name of the queue manager) and retry the application.

AMQ5600 Usage: crtmqmq [-z] [-q] [-c Text] [-d DefXmitQ] [-h MaxHandles] [-g ApplicationGroup]

Explanation: This shows the correct usage.

User action: None.

AMQ5601 [-t TrigInt] [-u DeadQ] [-x MaxUMsgs] [-lp LogPri] [-ls LogSec]

Explanation:

User action: None.

AMQ5602 [-lc | -ll] [-lf LogFileSize] [-ld LogPath] QMgrName

Explanation: This shows the correct usage.

User action: None.

AMQ5603 Usage: dlrmqmq [-z] QMgrName

Explanation: This shows the correct usage.

User action: None.

AMQ5604 Usage: dspmqaut [-m QMgrName] [-n ObjName] [-t ObjType] [-p Principal] [-g Group] [-s ServiceName]

Explanation:

User action: None.

AMQ5605 Usage: endmqmq [-z] [-c | -w | -i | -p] QMgrName

Explanation: This shows the correct usage.

User action: None.

AMQ5606 Usage: setmqaut -m QMgrName [-n ObjName] [-t ObjType] [-p Principal] [-g Group] [-s ServiceName] Authorisations

Explanation:

User action: None.

AMQ5607 Usage: strmqmq [-z][-c] [QMgrName]

Explanation: This shows the correct usage.

User action: None.

AMQ5608 Usage: dspmqtrn [-m QMgrName] [-e] [-i]

Explanation: This shows the correct usage.

User action: None.

AMQ5609 Usage: rsvmqtrn -m QMgrName (-a | ((-b | -c | -r RMIId) Transaction,Number))

Explanation: This shows the correct usage.

User action: None.

AMQ5610 Usage: strmqtrc [-m QMgrName] [-e] [-t TraceType] [-l MaxFileSize]

Explanation: This applies to UNIX systems. MaxFileSize is the maximum size of a trace file in millions of bytes.

User action: None.

AMQ5610 Usage: strmqtrc [-t TraceType] [-l MaxFileSize]

Explanation: This applies to OS/2 and Windows NT systems. MaxFileSize is the maximum size of a trace file in millions of bytes.

User action: None.

AMQ5611 Usage: endmqtrc

Explanation: This applies to OS/2 and Windows NT systems.

User action: None.

AMQ5611 Usage: endmqtrc [-m QMgrName] [-e] [-a]

Explanation: This applies to UNIX systems.

User action: None.

AMQ5612 Usage: dspmqtrc [-t TemplateFile] InputFileName

Explanation:
User action: None.

AMQ5613 Usage: scmmqm (-a -s Service command file | -d) [-z] QMgrName

Explanation: This shows the correct usage.
User action: None.

AMQ5614 Usage: setmqtry

Explanation: This shows the correct usage.
User action: None.

AMQ5615 Default objects cannot be created: CompCode = &1 Reason = &2.

Explanation: During the creation of a queue manager, using the crtmqm command, the default objects could not be created. Possible reasons for this include another command, issued elsewhere, quiescing or stopping the queue manager, or insufficient storage being available.

User action: Use the Completion and Reason codes shown in the message to determine the cause of the failure, then re-try the command.

AMQ5616 Usage: setmqprd [LicenseFile]

Explanation: This shows the correct usage.
User action: None.

AMQ5617 Default objects cannot be created.

Explanation: During the creation of a queue manager using the crtmqm command, the default objects could not be created. The most likely reason for this error is that the queue manager was started before the crtmqm command had completed.

User action: Ensure that the queue manager being created is not started before the create request completes. Stop the queue manager if it is already running. Restart the queue manager using the strmqm command with the '-c' option to request that the default objects are created.

AMQ5635 The argument supplied with the -l flag is not valid.

Explanation: The argument supplied with the -l flag must be in the range 1 - 4293.

User action: Submit the command again with a valid argument.

AMQ5700 Queue manager name '&3', work queue name '&4'.

Explanation: These are the values of the parameters with which the add-in task was started.

User action: None.

AMQ5701 Checking mail-in database &3

Explanation: The add-in task is performing a periodic check for mail memos that have arrived in the mail-in database called &3.

User action: None.

AMQ5702 Checking for replies.

Explanation: The add-in task is checking the reply queues for responses from MQSeries applications.

User action: None

AMQ5703 MQSeries add-in task ended.

Explanation: Termination of the MQSeries add-in task has completed.

User action: None.

AMQ5704 Terminating.

Explanation: The add-in task is terminating, either due to a user request or an error.

User action: None.

AMQ5705 Initializing.

Explanation: The add-in task is initializing. It processes the link database and connects to the queue manager in preparation to receive requests.

User action: None.

AMQ5706 Mail-in database '&3', link database '&4', wait time &1 seconds.

Explanation: These are the values of the parameters with which the add-in task was started.

User action: None.

AMQ5707 Add-in task initialization complete. Modification date &3.

Explanation: The add-in task has finished reading the link database and is now ready to process requests. The Modification date is the last change date of MQLINK.

User action: None.

AMQ5708 Only two-byte integer values are supported for S/390 format.

Explanation: The add-in task supports conversion of two-byte integers from S/390 systems.

User action: Ensure that the entry in the link database uses fields of only two bytes in length if they are in the S/390 format.

AMQ5710 Text of user document causing previous message: '&3'.

Explanation: The add-in task generated the previous message in response to an error. This message contains the text of the user note associated with the error.

User action: None.

AMQ5711 An error occurred in reading the link database.

Explanation: The add-in task detected an error while reading the link database.

User action: Use the information in previous error messages to diagnose the error. Then, correct the contents of the link database and restart the add-in task.

AMQ5712 An error occurred while setting field '&5' in user document, return code &3.

Explanation: The add-in task was trying to update a document in response to a reply from an MQSeries application. An error was encountered during the update of the field '&5'. The link database entry '&4' was being used to perform the update.

User action: Make sure that the entry in the link database matches the description of the form being used for the update.

AMQ5714 Field '&4' not found in link database entry.

Explanation: The add-in task could not find a field called '&4' during processing of the link database. This field is a required field.

User action: Examine the definition of the link database being used to ensure that all of the required fields are supplied. Refer to the IBM-supplied sample link database for an example of a valid link database.

AMQ5715 Data type '&4' not supported.

Explanation: The add-in task does not support the data type '&4'.

User action: Consult the MQSeries documentation for a description of the list of supported data types. Update the entry in the link database using the unsupported data type. Then, stop and restart the add-in task.

AMQ5716 An error occurred connecting to MQSeries queue manager '&4', MQSeries reason code &3.

Explanation: The add-in task could not connect to MQSeries queue manager '&4'. The reason code from MQCONN was &3.

User action: Look up the reason code in the MQSeries documentation to establish the cause of the error. Ensure that the queue manager exists and is running. If the add-in task is running as an MQSeries client, ensure that it can communicate with the server queue manager.

AMQ5717 An error occurred disconnecting from MQSeries queue manager '&4', MQSeries reason code &3.

Explanation: The add-in task encountered an error disconnecting from the MQSeries queue manager '&4'. The reason code from MQDISC was &3.

User action: Look up the reason code in the MQSeries documentation to establish the cause of the error.

AMQ5718 An error occurred during processing of a request in the mail-in database.

Explanation: The add-in task encountered an error during processing of a request in the mail-in database. The processing involves transforming the contents of the mail memo into a message which is placed on an MQSeries queue. If the message has a reply, an additional message is formatted and placed on the internal work queue.

User action: Use the information in previous error messages to diagnose the error.

AMQ5720 Errors detected in response message from MQSeries application.

Explanation: The response from an MQSeries application to a message sent by the add-in task satisfied the error conditions specified in the corresponding link database entry. The error data is '&4'.

User action: Examine the error conditions in the link database entry to establish why the error conditions were satisfied. If an invalid request message was sent to the MQSeries application, correct the request messages being sent. If the problem was due to an error encountered by the MQSeries application, correct the cause of the error and retry the request.

AMQ5721 An error occurred opening internal work file '&4'.

Explanation: The add-in task could not open the internal work file used to hold the contents of a mail memo during processing. Possible causes include more than one program trying to use the same file.

User action: Ensure that there is only one copy of the MQSeries add-in task running.

AMQ5723 Memory allocation failed.

Explanation: The add-in task was unable to allocate storage.

User action: Try to free up some system memory and retry the operation.

AMQ5725 Empty mail memo received from mail-in database.

Explanation: The add-in task found a mail memo with an empty body in the mail-in database. Mail memos in the mail-in database must contain the information required to generate a message to place on an MQSeries queue.

User action: Ensure that all entries placed in the mail-in database have the expected contents.

AMQ5727 Link database entry '&4' cannot be found.

Explanation: The add-in task received a request without a corresponding entry in the link database. The name of the required entry is '&4'.

User action: Either add an entry of the correct name to the link database or change the request being generated to use an existing entry in the link database. If you add an entry to the link database, you will have to stop and restart the add-in task before the change takes effect.

AMQ5729 An error was encountered by the add-in task. Check the mail for details.

Explanation: This message is inserted into the error_field_msg field of a user document if an error is encountered by the add-in task during the processing of the document's associated mail memo.

User action: None.

AMQ5730 Error encountered by MQSeries add-in task

Explanation: This is the subject line of mail memos sent by the add-in task.

User action: None.

AMQ5731 Idle.

Explanation: The add-in task is waiting for the configured time interval to elapse before checking the mail-in database for new requests and checking the reply queues for new replies.

User action: None.

AMQ5732 LOAD MQLINK [-t] [-q WorkQName] [-w WaitTime] [-d MailInDB] [-l LinkDB] [QMgrName]

Explanation: This is a summary of the correct syntax for invoking the MQSeries add-in task in Lotus Notes. If you specify a queue manager name, it must be the last parameter. The order of the other parameters is not significant.

User action: None.

AMQ5733 MQSeries add-in task loading.

Explanation: The add-in task has been started and is accessing the link database in preparation to receive requests.

User action: None.

AMQ5734 An error occurred opening the database '&4'. The error code was &3.

Explanation: The add-in task could not open the named database. This could be because the database does not exist.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5735 An error occurred opening the mail file '&4'. The error code was &3.

Explanation: The add-in task could not open the named mail file.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5736 An error occurred searching the database '&4'. The error code was &3.

Explanation: The add-in task could not search the named database.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5737 An error occurred deleting an entry from the database '&4'. The error code was &3.

Explanation: The add-in task could not delete an entry from the named database.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5738 An error occurred extracting the contents of a mail memo in the mail-in database '&5' to the file called '&4'. The error code was &3.

Explanation: The add-in task could not extract the body of a mail memo into the named file. Possible causes include being unable to create the file or another program already using the file.

User action: Ensure that there is only one copy of the MQSeries add-in task running. If the problem was due to the configuration in which you are operating Lotus Notes, refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5739 An error occurred opening a mail memo in the mail-in database '&4'. The error code was &3.

Explanation: The add-in task could not open a mail memo in the named mail-in database.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5740 An error occurred opening an entry in the link database '&4'. The Notes error code was &3.

Explanation: The add-in task could not open an entry in the link database.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5741 An error occurred creating a mail memo. The error code was &3.

Explanation: The add-in task could not create a mail memo. This is probably due to a shortage of resources.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5742 Could not send a mail memo to user '&4'. The error code was &3.

Explanation: The add-in task could not send a mail memo to the named user to report an error condition.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5743 Could not find entry with ID '&5' in database '&4'. The error code was &3.

Explanation: The add-in task could not find an entry in the database '&4' which it was to update in response to a reply from an MQSeries application. This may indicate that the entry has been manually deleted or that another application has already updated the entry.

User action: Refer to the Lotus Notes documentation for information to resolve the problem.

AMQ5744 Could not update an entry in database '&4'. The error code was &3.

Explanation: The add-in task could not update an entry in the database '&4' in response to a reply from an MQSeries application.

User action: If the 'error code' is -1 (65535) the reply buffer is too short to be able to update the Notes document. If the 'error code' is greater than 0 the value has been returned from a Lotus Notes API function. Refer to the Lotus Notes documentation for further information.

If the 'error code' is 0 refer to previous messages for an explanation.

AMQ5745 An error occurred opening MQSeries queue '&4', reason code &3, &5

Explanation: The add-in task could not open MQSeries queue '&4'. The reason code from MQOPEN was &3. The reason may be explained by &5.

User action: Look up the reason code in the MQSeries documentation to establish the cause of the error. If a version of MQLINK is running with the same work queue, for example with 'SYSTEM.NOTES.WORKQUEUE', then you will get this message and reason code 2042.

AMQ5746 An error occurred putting a message on MQSeries queue '&4', reason code &3.

Explanation: The add-in task could not put a message on MQSeries queue '&4'. The reason code from MQPUT was &3.

User action: Look up the reason code in the MQSeries documentation to establish the cause of the error.

AMQ5747 An error occurred getting a message from MQSeries queue '&4', reason code &3.

Explanation: The add-in task could not get a message from MQSeries queue '&4'. The reason code from MQGET was &3.

User action: Look up the reason code in the MQSeries documentation to establish the cause of the error.

AMQ6000-AMQ6999 Common services messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ6004 An error occurred during MQSeries initialization or ending.

Explanation: An error was detected during initialization or ending of MQSeries. The MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6015 The operating system is either too busy or has insufficient resources to complete a system request.

Explanation: A system request '&3' was rejected by the operating system with return code '&1'. MQSeries retried the request, but it continued to fail. This failure may indicate that the operating system is either too busy or has insufficient resources to complete the request.

User action: Investigate whether the system is constrained by the workload on this system or by the workload on a server that it is using, and reduce the workload.

AMQ6025 Program not found.

Explanation: MQSeries is unable to start program &3 because it was not found.

User action: Check the program name is correctly specified and rerun the program.

AMQ6026 A resource shortage prevented the creation of an MQSeries process.

Explanation: An attempt to create an MQSeries process was rejected by the operating system due to a process limit (either the number of processes for each user or the total number of processes running system wide), or because the system does not have the resources necessary to create another process.

User action: Investigate whether a process limit is preventing the creation of the process and if so why the system is constrained in this way. Consider raising this limit or reducing the workload on the system.

AMQ6035 MQSeries failed, no storage available.

Explanation: An internal function of the product attempted to obtain storage, but there was none available.

User action: Stop the product and restart it. If this does not resolve the problem, save the generated output files and contact your IBM support center.

AMQ6037 MQSeries was unable to obtain enough storage.

Explanation: The product is unable to obtain enough storage. The product's error recording routine may have been called.

User action: Stop the product and restart it. If this does not resolve the problem see if a problem has been recorded. If a problem has been recorded, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6047 Conversion not supported.

Explanation: MQSeries is unable to convert string data tagged in CCSID &1 to data in CCSID &2.

User action: Check the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6048 DBCS error

Explanation: MQSeries is unable to convert string data due to a DBCS error. Conversion is from CCSID &1 to CCSID &2.

User action: Check the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6049 DBCS-only string not valid.

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2. Message descriptor data must be in single-byte form. CCSID &2 is a DBCS-only CCSID.

User action: Check the CCSID of your job or system and change it to one supporting SBCS or mixed character sets. Refer to the appropriate National Language Support publications for character sets and CCSIDs supported.

AMQ6050 CCSID error.

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2.

User action: Check the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6051 Conversion length error.

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2, due to an input length error.

User action:

AMQ6052 Conversion length error.

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2.

User action:

AMQ6053 CCSID error

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2.

User action: One of the CCSIDs is not supported by the system. Check the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6064 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6090 MQSeries was unable to display an error message &6.

Explanation: MQSeries has attempted to display the message associated with return code hexadecimal '&6'. The return code indicates that there is no message text associated with the message. Associated with the request are inserts &1 : &2 : &3 : &4 : &5.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6091 An internal MQSeries error has occurred.

Explanation: Private memory has detected an error, and is abending due to &3. The error data is &1.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6092 Manual conversion required for CCSID: &1

Explanation: CCSID &1 exists in new format but could not be reconciled against your old format.

User action: Manually edit CCSID entry &1 in conv/table/ccsid.tbl if you wish to retain your old conversion. For assistance call your Service Representative.

AMQ6100 An internal MQSeries error has occurred.

Explanation: MQSeries has detected an error, and is abending due to &3. The error data is &1.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6107 CCSID not supported.

Explanation: MQSeries is unable to convert string data in CCSID &1 to data in CCSID &2, because one of the CCSIDs is not recognized.

User action: Check the appropriate National Language Support publications to see if the CCSIDs are supported by your system.

AMQ6109 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6110 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6115 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6118 An internal MQSeries error has occurred (&1)

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6119 An internal MQSeries error has occurred (&3)

Explanation: MQSeries detected an unexpected error when calling the operating system. The MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6120 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6121 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: MQSeries has detected a parameter count of &1 that is not valid. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6122 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: MQSeries has detected parameter &1 that is not valid, having value &2&3. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6125 An internal MQSeries error has occurred.

Explanation: An internal error has occurred with identifier &1. This message is issued in association with other messages.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6148 An internal MQSeries error has occurred.

Explanation: MQSeries has detected an error, and is abending due to &3. The error data is &1.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6150 MQSeries semaphore is busy.

Explanation: MQSeries was unable to acquire a semaphore within the normal timeout period of &1 minutes.

User action: MQSeries will continue to wait for access. If the situation does not resolve itself and you suspect that your system is locked then investigate the process which owns the semaphore. The PID of this process will be documented in the accompanying FFST.

AMQ6162 An error occurred when reading the configuration data.

Explanation: An error has occurred when reading the configuration data.

User action: If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6163 An error has occurred locking the configuration data.

Explanation: An error has occurred locking the configuration data.

User action: If you have changed the registry permissions, check and correct the change. If you have not changed the registry, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6164 An expected stanza in the configuration data is missing or contains errors.

Explanation: An expected stanza is missing from the configuration data or the stanza contains errors.

User action: If you have changed the configuration data, check and correct the change.

AMQ6165 Unable to access the configuration data.

Explanation: Access to the configuration data is denied.

User action: If you have changed the configuration data permissions, check and correct the changes.

AMQ6166 An entry in the configuration data is missing.

Explanation: A required entry in the configuration data is missing.

User action: If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ6172 No codeset found for current locale.

Explanation: No codeset could be determined for the current locale. Check that the locale in use is supported.

User action: None.

AMQ6173 No CCSID found for codeset &3.

Explanation: Codeset &3. has no supported CCSID. Check that the locale in use is supported. CCSIDs can be added by updating the file /var/mqm/conv/table/ccsid.tbl.

User action: None.

AMQ6174 The library &3 was not found. The queue manager will continue without this module.

Explanation: The dynamically loadable file &3 was not found.

User action: Check that the file exists and is either fully qualified or is in the appropriate directory.

AMQ6175 The system could not dynamically load the library &3. The system return code was &1. The queue manager will continue without this module.

Explanation: This message applies to OS/2 and Windows NT systems. The dynamically loadable file &3 failed to load correctly due to an internal error. and the MQSeries error recording routine has been called.

User action: Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6175 The system could not dynamically load the library &3. The error message was &4. The Queue Manager will continue without this module.

Explanation: This message applies to Sun Solaris systems. The dynamically loadable file &3 failed to load correctly due to an internal error. and the MQSeries error recording routine has been called.

User action: Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6175 The system could not dynamically load the library &3. The error message was &4. The errno was &1, check the errno in sys/errno.h. The queue manager will continue without this module.

Explanation: This message applies to AIX and HP-UX systems. The dynamically loadable file &3 failed to load correctly due to an internal error. and the MQSeries error recording routine has been called.

User action: Check that the file has not been corrupted then use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6177 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called.

User action: Details of the error have been stored at &3. A synopsis is given in the data section below. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6179 Load of dynamic module failed.

Explanation: MQSeries is unable to load dynamic module &3 because &4.

User action:

AMQ6180 Default conversion not supported.

Explanation: MQSeries is unable to convert string data tagged in CCSID &1 to data in CCSID &2.

User action: Check the default CCSIDs specified in the ccsid.tbl file and make sure that conversion is supported between these CCSIDs.

AMQ6182 Error found in line &1 of ccsid.tbl

Explanation: Line &1 contains an error. The content of the line is &3. Processing continues but the line in error is ignored.

User action: Correct the line and rerun the program or command giving this message.

AMQ6183 An internal MQSeries error has occurred.

Explanation: An error has been detected, and the MQSeries error recording routine has been called. The failing process is process &1.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6184 An internal MQSeries error has occurred on queue manager &3.

Explanation: An error has been detected, and the MQSeries error recording routine has been called. The failing process is process &1.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6187 User is not authorized for RestrictedMode queue manager.

Explanation: All users must be in the RestrictedMode application_group.

User action:

AMQ6188 The system could not dynamically load the library &3 due to a problem with the dll. The errno was &1. The queue manager will continue without this module.

Explanation: This message applies to OS/2 and Windows NT systems. The dynamically loadable file &3 failed to load correctly due to a problem with the dll.

User action: Check that the dll is in the correct place with the correct file permissions etc. and has not been corrupted.

AMQ6188 The system could not dynamically load the shared library '&3' due to a problem with the library. The errno was &1 and the error message was '&4'. The queue manager will continue without this library.

Explanation: This message applies to AIX and HP-UX systems. The shared library '&3' failed to load correctly due to a problem with the library.

User action: Check that the library exists and is in the correct place with the correct file permissions etc. and has not been corrupted.

AMQ6188 The system could not dynamically load the shared library '&3' due to a problem with the library. The error message was '&4'. The queue manager will continue without this library.

Explanation: This message applies to Sun Solaris systems. The shared library &3 failed to load correctly due to a problem with the library.

User action: Check that the library exists and is in the correct place with the correct file permissions etc. and has not been corrupted.

AMQ6189 Unable to open error log &3.

Explanation: The error log file &3 cannot be opened. The DosOpen error number is &1. Messages cannot be logged. They may be displayed on your console, following this message.

User action: Check that the path to the error log exists, and that, if the file exists, it is writable. If the file exists, save its content in another file and delete it. The error log process creates the file if the path exists and the file is missing.

AMQ6190 Program '&3' not found.

Explanation: The program '&3' cannot be found.

User action: Check that the program specified is available on your system. If the program name is not fully qualified, ensure that the PATH environment variable includes the directory where the program is located.

AMQ6191 Program '&3' failed to start, return code &1.

Explanation: The program '&3' was invoked, but failed to start. The failure reason code is &1.

User action: Check that the program specified is available on your system, and that sufficient system resources are available. Where applicable, verify that the user is authorized to run the program.

AMQ6193 The environment variable &3 was not found.

Explanation: MQSeries for OS/2 Warp sets the environment variable &3 in the config.sys file when the product is installed, but the variable is now missing.

User action: If the config.sys file has been edited, restore the previous version. If the product is newly installed, check that the config.sys file was updated, that the machine was then restarted, and then check whether the installation was successful. Reinstall the product if necessary.

AMQ6193 The registry entry &3 was not found.

Explanation: MQSeries for Windows NT sets the registry entry &3 when the product is installed, but the entry is now missing.

User action: If the registry has been edited, restore the previous version. If the product is newly installed, check whether the installation was successful, and reinstall the product if necessary.

AMQ6196 An error has occurred whilst processing a temporary INI file &3

Explanation: An error has occurred when creating a backup of an INI file. The backup file &4 already exists

User action: You may have created a backup of the INI file with the name &4, or an earlier operation may have failed. Move or delete the file &4 and reattempt the operation. If you have not changed the INI file, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ6708 A disk full condition was encountered when formatting a new log file in location &3.

Explanation: The queue manager attempted to format a new log file in directory &3. The drive or file system containing this directory did not have sufficient free space to contain the new log file.

User action: Increase the amount of space available for log files and retry the request.

AMQ6709 The log for the Queue manager is full.

Explanation: This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

User action: This situation may be encountered during a period of unusually high message traffic. However, if you persistently fill the log, you may have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager. Alternatively, if you need to make the log files themselves bigger, you will have to delete and recreate the queue manager.

AMQ6710 Queue manager unable to access directory &3.

Explanation: The queue manager was unable to access directory &3 for the log. This could be because the directory does not exist, or because the queue manager does not have sufficient authority.

User action: Ensure that the directory exists and that the queue manager has authority to read and write to it. Ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ6767 Log file &3 could not be opened for use.

Explanation: Log file &3 could not be opened for use. Possible reasons include the file being missing, the queue manager being denied permission to open the file or the contents of the file being incorrect.

User action: If the log file was required to start the queue manager, ensure that the log file exists and that the queue manager is able to read from and write to it. If the log file was required to recreate an object from its media image and you do not have a copy of the required log file, delete the object instead of recreating it.

AMQ7000-AMQ7999 MQSeries product messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ7001 The location specified for the creation of the queue manager is not valid.

Explanation: The directory under which the queue managers are to be created is not valid. It may not exist, or there may be a problem with authorization.

User action: The location is specified in the configuration data. Correct the configuration data and submit the request again.

AMQ7002 An error occurred manipulating a file.

Explanation: An internal error occurred while trying to create or delete a queue manager file. It is likely that the error was caused by a disk having insufficient space, or by problems with authorization to the underlying filesystem.

User action: Identify the file that caused the error, using problem determination techniques. For example check if there are any FFST files, which may identify the queue manager file causing the error. This error may also be caused if users have created, renamed or deleted that file. Correct the error in the filesystem and submit the request again.

AMQ7005 The queue manager is running.

Explanation: You tried to perform an action that requires the queue manager stopped, however, it is currently running. You probably tried to delete or start a queue manager that is currently running.

User action: If the queue manager should be stopped, stop the queue manager and submit the failed command again.

AMQ7006 Missing attribute &5 from configuration data.

Explanation: The &4 stanza in the configuration data is missing the required &5 attribute.

User action: Check the contents of the configuration data and retry the operation.

AMQ7008 The queue manager already exists.

Explanation: You tried to create a queue manager that already exists.

User action: If you specified the wrong queue manager name, correct the name and submit the request again.

AMQ7010 The queue manager does not exist.

Explanation: You tried to perform an action against a queue manager that does not exist. You may have specified the wrong queue manager name.

User action: If you specified the wrong name, correct it and submit the command again. If the queue manager should exist, create it, and then submit the command again.

AMQ7012 The specified trigger interval is not valid.

Explanation: You specified a value for the trigger interval that is not valid. The value must be not less than zero and not greater than 999 999 999.

User action: Correct the value and resubmit the request.

AMQ7013 There is an error in the name of the specified dead-letter queue.

Explanation: You specified a name for the dead-letter queue that is not valid.

User action: Correct the name and resubmit the request.

AMQ7014 There is an error in the name of the specified default transmission queue.

Explanation: You specified a name for the default transmission queue that is not valid.

User action: Correct the name and submit the command again.

AMQ7015 There is an error in the maximum number of open object handles specified.

Explanation: You specified a value for the maximum number of open object handles to be allowed that is not valid. The value must be not less than zero and not greater than 999 999 999.

User action: Correct the value and submit the command again.

AMQ7016 There is an error in the maximum number of uncommitted messages specified.

Explanation: You specified a value for the maximum number of uncommitted messages to be allowed that is not valid. The value must be not less than 1 and not greater than 999 999 999.

User action: Correct the value and submit the command again.

AMQ7017 Log not available.

Explanation: The queue manager was unable to use the log. This could be due to a log file being missing or damaged, or the log path to the queue manager being inaccessible.

User action: Ensure that the LogPath attribute in the queue manager configuration file is correct. If a log file is missing or otherwise unusable, restore a backup copy of the file, or the entire queue manager.

AMQ7018 The queue manager operation cannot be completed.

Explanation: An attempt has been made to perform an operation on a queue manager. Resources required to perform the operation are not available.

User action:

AMQ7019 An error occurred while creating the directory structure for the new queue manager.

Explanation: During creation of the queue manager an error occurred while trying to create a file or directory.

User action: Identify why the queue manager files cannot be created. It is probable that there is insufficient space on the specified disk, or that there is a problem with access control. Correct the problem and submit the command again.

AMQ7020 The operation was carried out, but one or more transactions remain in-doubt.

Explanation: The queue manager tried to resolve all internally coordinated transactions which are in-doubt. In-doubt transactions still remain after the queue manager has attempted to deliver the outcome of these transactions to the resource managers concerned. Transactions remain in-doubt when the queue manager cannot deliver the outcome of the transaction to each of the participating resource managers. For example, a resource manager may not be available at this time.

User action: Use the DSPMQTRN command to display the remaining in-doubt transactions.

AMQ7021 An error occurred while deleting the directory structure for the queue manager.

Explanation: While deleting the queue manager, an error occurred deleting a file or directory. The queue manager may not have been completely deleted.

User action: Follow problem determination procedures to identify the file or directory and to complete deletion of the queue manager.

AMQ7022 The resource manager identification number is not recognized.

Explanation: The identification number of the resource manager you supplied was not recognized.

User action: Ensure that you entered a valid resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers.

AMQ7023 The resource manager was in an invalid state.

Explanation: The resource manager, the identification number of which you supplied, was in an invalid state.

User action: Ensure that you entered the correct resource manager identification number. Use the DSPMQTRN command to display a list of resource managers and their identification numbers. A resource manager is in an invalid state, if it is still available to resolve the transaction, use the -a optional flag to resolve this and all other internally coordinated in-doubt transactions.

AMQ7024 Arguments supplied to a command are not valid.

Explanation: You supplied arguments to a command that it could not interpret. It is probable that you specified a flag not accepted by the command, or that you included extra flags.

User action: Correct the command and submit it again. Additional information on the arguments causing the error may be found in the error logs for the queue, or queue manager, referenced in the command.

AMQ7025 Error in the descriptive text argument (-c parameter) of the crtmqm command.

Explanation: The descriptive text you supplied to the crtmqm command was in error.

User action: Correct the descriptive text argument and submit the command again.

AMQ7026 A principal or group name was invalid.

Explanation: You specified the name of a principal or group which does not exist.

User action: Correct the name and resubmit the request.

AMQ7027 Argument &3 supplied to command &4 is invalid.

Explanation: The argument &3 was supplied to the command &4 which could not be interpreted. This argument is either not accepted by the command, or an extra flag has been included.

User action: Correct the command and submit it again.

AMQ7028 The queue manager is not available for use.

Explanation: You have requested an action that requires the queue manager running, however, the queue manager is not currently running.

User action: Start the required queue manager and submit the command again.

AMQ7030 Request to quiesce the queue manager accepted. The queue manager will stop when there is no further work for it to perform.

Explanation: You have requested that the queue manager end when there is no more work for it. In the meantime, it will refuse new applications that attempt to start, although it allows those already running to complete their work.

User action: None.

AMQ7031 The queue manager is stopping.

Explanation: You issued a command that requires the queue manager running, however, it is currently in the process of stopping. The command cannot be run.

User action: None

AMQ7041 Object already exists.

Explanation: A Define Object operation was performed, but the name selected for the object is already in use by an object that is unknown to MQSeries. The object name selected by MQSeries was &3, in directory &4, of object type &5.

User action: Remove the conflicting object from the MQSeries system, then try the operation again.

AMQ7042 Media image not available for object &3 of type &4.

Explanation: The media image for object &3, type &4, is not available for media recovery. A log file containing part of the media image cannot be accessed.

User action: A previous message indicates which log file could not be accessed. Restore a copy of the log file and all subsequent log files from backup. If this is not possible, you must delete the object instead.

AMQ7044 Media recovery not allowed.

Explanation: Media recovery is not possible on a queue manager using a circular log. Damaged objects must be deleted on such a queue manager.

User action: None.

AMQ7047 An unexpected error was encountered by a command.

Explanation: An internal error occurred during the processing of a command.

User action: Follow problem determination procedures to identify the cause of the error.

AMQ7048 The queue manager name is either not valid or not known

Explanation: Either the specified queue manager name does not conform to the rules required by MQSeries or the queue manager does not exist. The rules for naming MQSeries objects are detailed in the MQSeries Command Reference.

User action: Correct the name and submit the command again.

AMQ7053 The transaction has been committed.

Explanation: The prepared transaction has been committed.

User action: None.

AMQ7054 The transaction has been backed out.

Explanation: The prepared transaction has been backed out.

User action: None.

AMQ7055 The transaction number is not recognized.

Explanation: The number of the transaction you supplied was not recognized as belonging to an in-doubt transaction.

User action: Ensure that you entered a valid transaction number. It is possible that the transaction number you entered corresponds to a transaction which was committed or backed out before you issued the command to resolve it.

AMQ7056 Transaction number &1,&2.

Explanation: This message is used to report the number of an in-doubt transaction.

User action: None.

AMQ7059 An error occurred when reading the configuration data.

Explanation: An error has occurred when reading the configuration data.

User action: If you have changed the configuration data, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7060 An error has occurred locking the configuration data.

Explanation: An error has occurred locking the configuration data.

User action: If you have changed the configuration data permissions, check and correct the change. If you have not changed the configuration data, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7061 An expected stanza in the configuration data is missing or contains errors.

Explanation: An expected stanza is missing from the configuration data or the stanza contains errors.

User action: If you have changed the configuration data, check and correct the change.

AMQ7062 Unable to access the configuration data.

Explanation: Access to the configuration data is denied.

User action: If you have changed the configuration data permissions, check and correct the change.

AMQ7063 Configuration data is missing.

Explanation: The configuration data for MQSeries is missing.

User action: If you have changed the configuration data, recover the previous configuration data and retry the operation.

AMQ7064 Log path not valid or inaccessible.

Explanation: The supplied log path could not be used by the queue manager. Possible reasons for this include the path not existing, the queue manager not being able to write to the path, or the path residing on a remote device.

User action: Ensure that the log path exists and that the queue manager has authority to read and write to it. If the queue manager already exists, ensure that the LogPath attribute in the queue manager's configuration file matches the intended log path.

AMQ7065 Insufficient space on disk.

Explanation: The operation cannot be completed due to shortage of disk space.

User action: Either make more disk space available, or reduce the disk requirements of the command you issued.

AMQ7066 There are no prepared transactions.

Explanation: There are no prepared transactions to be resolved.

User action: None.

AMQ7068 Authority file contains an authority stanza that is not valid.

Explanation:

User action: Correct the contents of the incorrect authorization file by editing it.

AMQ7069 The queue manager was created successfully, but cannot be made the default.

Explanation: The queue manager was defined to be the default queue manager for the machine when it was created. However, although the queue manager has been created, an error occurred trying to make it the default. There may not be a default queue manager defined for the machine at present.

User action: There is probably a problem with the configuration data. Update the configuration data to specify the desired default queue manager, or delete and recreate the queue manager.

AMQ7072 Stanza not valid. Refer to the error log for more information.

Explanation: A stanza that is not valid was found. Refer to the error log for more information.

User action: Correct the error and retry the operation.

AMQ7073 Log size not valid.

Explanation: Either the number of log files or the size of the log files was outside the accepted values.

User action: Make sure that the log parameters you enter lie within the valid range.

AMQ7074 Unknown stanza key &4 at &3 in the configuration data.

Explanation: Key &3 contained a stanza called &4. This stanza is not recognized.

User action: Check the contents of the configuration data and retry the operation.

AMQ7075 Unknown attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained an attribute called &4 that is not valid. This attribute is not recognized in this context.

User action: Check the contents of the configuration data and retry the operation.

AMQ7076 Value &5 not valid for attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained value &5 that is not valid for the attribute &4.

User action: Check the contents of the configuration data and retry the operation.

AMQ7077 You are not authorized to perform the requested operation.

Explanation: You tried to issue a command for the queue manager. You are not authorized to perform the command.

User action: Contact your system administrator to perform the command for you. Alternatively, request authority to perform the command from your system administrator.

AMQ7080 No objects processed.

Explanation: No objects were processed, either because no objects matched the criteria given, or because the objects found did not require processing.

User action: None.

AMQ7081 Object &3, type &4 recreated.

Explanation: The object &3, type &4 was recreated from its media image.

User action: None.

AMQ7082 Object &3, type &4 is not damaged.

Explanation: Object &3, type &4 cannot be recreated since it is not damaged.

User action: None

AMQ7083 A resource problem was encountered by a command.

Explanation: The command failed due to a resource problem. Possible causes include the log being full or the command running out of memory.

User action: Look at the previous messages to diagnose the problem. Rectify the problem and retry the operation.

AMQ7084 Object &3, type &4 damaged.

Explanation: The object &3, type &4 was damaged. The object must be deleted or, if the queue manager supports media recovery, recreated from its media image.

User action: Delete the object or recreate it from its media image.

AMQ7085 Object &3, type &4 not found.

Explanation: Object &3, type &4 cannot be found.

User action: None.

AMQ7086 Media image for object &3, type &4 recorded.

Explanation: The media image for object &3, type &4 has been recorded.

User action: None.

AMQ7087 Object &3, type &4 is a temporary object

Explanation: Object &3, type &4 is a temporary object.

Media recovery operations are not permitted on temporary objects.

User action: None.

AMQ7088 Object &3, type &4 in use.

Explanation: Object &3, type &4 is in use. Either an application has it open or, if it is a local queue, there are uncommitted messages on it.

User action: Ensure that the object is not opened by any applications, and that there are no uncommitted messages on the object, if it is a local queue. Then, retry the operation.

AMQ7089 Media recovery already in progress.

Explanation: Another media recovery operation is already in progress. Only one media recovery operation is permitted at a time.

User action: Wait for the existing media recovery operation to complete and retry the operation.

AMQ7090 The queue manager CCSID is not valid.

Explanation: The CCSID to be used by the QMGR is not valid, because:

- 1) It is a DBCS CCSID.
- 2) The CCSID encoding is not ASCII or ASCII related. EBCDIC or UCS2 encodings are not valid on this machine.
- 3) The CCSID encoding is unknown.

User action: Check the CCSID is valid for the machine on which you are working.

AMQ7091 You are performing authorization for the queue manager, but you specified an object name.

Explanation: Modification of authorizations for a queue manager can be performed only from that queue manager. You must not specify an object name.

User action: Correct the command and submit it again.

AMQ7092 An object name is required but you did not specify one.

Explanation: The command needs the name of an object, but you did not specify one.

User action: Correct the command and submit it again.

AMQ7093 An object type is required but you did not specify one.

Explanation: The command needs the type of the object, but you did not specify one.

User action: Correct the command and submit it again.

AMQ7094 You specified an object type that is not valid, or more than one object type.

Explanation: Either the type of object you specified was not valid, or you specified multiple object types on a command which supports only one.

User action: Correct the command and submit it again.

AMQ7095 An entity name is required but you did not specify one.

Explanation: The command needs one or more entity names, but you did not specify any. Entities can be principals or groups.

User action: Correct the command and submit it again.

AMQ7096 An authorization specification is required but you did not provide one.

Explanation: The command sets the authorizations on MQSeries objects. However you did not specify which authorizations are to be set.

User action: Correct the command and submit it again.

AMQ7097 You gave an authorization specification that is not valid.

Explanation: The authorization specification you provided to the command contained one or more items that could not be interpreted.

User action: Correct the command and submit it again.

AMQ7098 The command accepts only one entity name. You specified more than one.

Explanation: The command can accept only one principal or group name. You specified more than one.

User action: Correct the command and submit it again.

AMQ7099 Entity &3 has the following authorizations for object &4:

Explanation: Informational message. The list of authorizations follows.

User action: None.

AMQ7099 Entity &3 has the following authorizations for object &4:

Explanation: Informational message. The list of authorizations follows.

User action: None.

AMQ7104 Resource manager &1 has prepared.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User action: None.

AMQ7105 Resource manager &1 has committed.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User action: None.

AMQ7106 Resource manager &1 has rolled back.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User action: None.

AMQ7107 Resource manager &1 is &3.

Explanation: This message reports the identification number and name of a resource manager.

User action: None.

AMQ7108 Any in-doubt transactions have been resolved.

Explanation: All, if there were any, of the internally coordinated transactions which were in-doubt, have now been resolved. This message reports successful completion of the RSVMQTRN command when the -a option is used.

User action: None.

AMQ7109 A decision on behalf of the unavailable resource manager has been delivered.

Explanation: A decision for an internally coordinated transaction which was in-doubt, has now been delivered on behalf of the unavailable resource manager. This message reports successful completion of the RSVMQTRN command when the -r option is used.

User action: None.

AMQ7110 Media image for the syncfile recorded.

Explanation: The media image for the syncfile has been recorded.

User action: None.

AMQ7111 Resource manager &1 has participated.

Explanation: This message reports the state of a resource manager with respect to an in-doubt transaction.

User action: None.

AMQ7112 Transaction number &1,&2 has encountered an error.

Explanation: This message is used to report the number of an in-doubt transaction which has encountered an error with one or more resource managers.

User action: Refer to the queue manager error log for more information about which resource managers are in error. Ensure that the resource managers that were in error, are working correctly, restart the queue manager. If the problem persists, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7159 A FASTPATH application has ended unexpectedly.

Explanation: A FASTPATH application has ended in a way that did not allow the queue manager to clean up the resources owned by that application. Any resources held by the application can only be released by stopping and restarting the queue manager.

User action: Investigate why the application ended unexpectedly. Avoid ending FASTPATH applications in a way which prevents MQSeries from releasing resources held by the application.

AMQ7206 Group name has been truncated.

Explanation: MQSeries only supports group names up to 12 characters long. The operating system is attempting to return a group longer than this.

User action: Reduce the group name to 12 characters or less.

AMQ7207 User ID longer than 12 characters.

Explanation: MQSeries only supports user names up to 12 characters long. This operation is being attempted from a user name longer than this.

User action: Reduce the user name to 12 characters or less.

AMQ7208 The queue manager attempted to put a PCF message to &3 to start the channel &4 to cluster queue manager &5. The put failed with reason &1.

Explanation: When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to &3.

User action: Resolve the problem with &3 and if necessary start the channel manually.

AMQ7209 The queue manager attempted to open SYSTEM.CHANNEL.INITQ which failed with reason &3

Explanation: When the queue manager resolves a cluster queue to a remote cluster queue manager, the message is put to the SYSTEM.CLUS.TRANSMIT.QUEUE. If the channel to the remote cluster queue manager is not running, the queue manager attempts to start the channel by sending a PCF message to the SYSTEM.CHANNEL.INITQ

User action: Resolve the problem with the SYSTEM.CHANNEL.INITQ and if necessary start the channels manually.

AMQ7210 The Cluster Workload exit module could not be loaded.

Explanation: The Cluster Workload exit module '&3' could not be loaded for reason &4.

User action: Correct the problem with the Cluster Workload exit module '&3'

AMQ7211 The queue manager has been waiting for &1 seconds for a reply from the WorkLoad Management server process.

Explanation: The Queue Manager is configured to run the WorkLoad Management exit in SAFE mode which means the WorkLoad Management Exit is run by the WorkLoad Management Server process (amqzlw0). The Queue manager has been waiting &1 seconds for the WorkLoad Management Server to reply to a request to run the exit. It is possible that the exit is hung or is looping.

User action: End the Queue Manager, resolve the problem with the WorkLoad Management exit and restart the Queue Manager

AMQ7212 The address of the Cluster exit function could not be found.

Explanation: The address of the Cluster exit function '&4' could not be found in module '&3' for reason &1 &5.

User action: Correct the problem with the Cluster exit function '&4' in the module '&3'

AMQ7305 Trigger message could not be put on an initiation queue.

Explanation: The attempt to put a trigger message on queue &4 on queue manager &5 failed with reason code &1. The message will be put on the dead-letter queue.

User action: Ensure that the initiation queue is available, and operational.

AMQ7306 The dead-letter queue must be a local queue.

Explanation: An undelivered message has not been put on the dead-letter queue &4 on queue manager &5, because the queue is not a local queue. The message will be discarded.

User action: Inform your system administrator.

AMQ7307 A message could not be put on the dead-letter queue.

Explanation: The attempt to put a message on the dead-letter queue &4 on queue manager &5 failed with reason code &1. The message will be discarded.

User action: Ensure that the dead-letter queue is available and operational.

AMQ7308 Trigger condition &1 was not satisfied.

Explanation: At least one of the conditions required for generating a trigger message was not satisfied, so a trigger message was not generated. If you were expecting a trigger message, consult the MQSeries Application Programming Guide for a list of the conditions required. (Note that arranging for condition &1 to be satisfied might not be sufficient because the conditions are checked in an arbitrary order, and checking stops when the first unsatisfied condition is discovered.)

User action: If a trigger message is required, ensure that all the conditions for generating one are satisfied.

AMQ7310 Report message could not be put on a reply-to queue.

Explanation: The attempt to put a report message on queue &4 on queue manager &5 failed with reason code &1. The message will be put on the dead-letter queue.

User action: Ensure that the reply-to queue is available and operational.

AMQ7463 The log for queue manager &3 is full.

Explanation: This message is issued when an attempt to write a log record is rejected because the log is full. The queue manager will attempt to resolve the problem.

User action: This situation may be encountered during a period of unusually high message traffic. However, if you persistently fill the log, you may have to consider enlarging the size of the log. You can either increase the number of log files by changing the values in the queue manager configuration file. You will then have to stop and restart the queue manager. Alternatively, if you need to make the log files themselves bigger, you will have to delete and recreate the queue manager.

AMQ7464 The log for queue manager &3 is no longer full.

Explanation: This message is issued when a log was previously full, but an attempt to write a log record has now been accepted. The log full situation has been resolved.

User action: None

AMQ7465 The log for queue manager &3 is full. This is due to the presence of a long-running transaction.

Explanation: This message is issued when an attempt made to resolve a log full situation fails, because the space is occupied by a long-running transaction.

User action: Try to ensure that the duration of your transactions is not excessive. Commit or roll back any old transactions to release log space for further log records.

AMQ7466 The log for queue manager &3 is too small to support the current data rate.

Explanation: This message is issued when the monitoring tasks maintaining the log cannot keep up with the current rate of data being written.

User action: The number of primary log files configured should be increased to prevent possible log full situations.

AMQ7467 The oldest log file required to start queue manager &3 is &4.

Explanation: The log file &4 contains the oldest log record required to restart the queue manager. Log records older than this may be required for media recovery.

User action: You can move log files older than &4 to an archive medium to release space in the log directory. If you move any of the log files required to recreate objects from their media images, you will have to restore them to recreate the objects.

AMQ7468 The oldest log file required to perform media recovery of queue manager &3 is &4.

Explanation: The log file &4 contains the oldest log record required to recreate any of the objects from their media images. Any log files prior to this will not be accessed by media recovery operations.

User action: You can move log files older than &4 to an archive medium to release space in the log directory.

AMQ7469 Transactions rolled back to release log space.

Explanation: The log space for the queue manager is becoming full. One or more long-running transactions have been rolled back to release log space so that the queue manager can continue to process requests.

User action: Try to ensure that the duration of your transactions is not excessive. Consider increasing the size of the log to allow transactions to last longer before the log starts to become full.

AMQ7472 Object &3, type &4 damaged.

Explanation: Object &3, type &4 has been marked as damaged. This indicates that the queue manager was either unable to access the object in the file system, or that some kind of inconsistency with the data in the object was detected.

User action: If a damaged object is detected, the action performed depends on whether the queue manager supports media recovery and when the damage was detected. If the queue manager does not support media recovery, you must delete the object as no recovery is possible. If the queue manager does support media recovery and the damage is detected during the processing performed when the queue manager is being started, the queue manager will automatically initiate media recovery of the object. If the queue manager supports media recovery and the damage is detected once the queue manager has started, it may be recovered from a media image using the rcrmqobj command or it may be deleted.

AMQ7601 Duplicate XA resource manager '&5' not valid for attribute &4 at &3 in the configuration data.

Explanation: Key &3 in the configuration data contained a duplicate XA resource manager '&5'. This is not valid for attribute &4. Each XA resource manager must be given a unique name.

User action: Check the contents of the configuration data and retry the operation.

AMQ7603 MQSeries has been configured with resource manager '&3' that is not valid.

Explanation: The XA switch file &4 for resource manager &3 indicates that an attempt has been made to configure another queue manager as an external resource manager. This is not allowed, so the queue manager will terminate.

User action: Remove the offending XAResourceManager stanza from the configuration data and restart the queue manager.

AMQ7604 The XA resource manager '&3' was not available when called for &4. The queue manager is continuing without this resource manager.

Explanation: The XA resource manager '&3' has indicated that it is not available, by returning XAER_RMERR on an xa_open request or XAER_RMFAIL when called for something else. Normally this indicates that the resource manager has been shut down. In this case the resource manager cannot participate in any new transactions. Any in-flight transactions in which it was involved will be backed out, and any transactions in which it is in-doubt will only be resolved when contact with the resource manager is re-established. A further message will be issued when the queue manager has been able to do this. If the problem occurred on an xa_open request, and the resource manager should be available, then there may be a configuration problem.

User action: Try to establish the reason why the resource manager is unavailable. It may be that an invalid XAOpenString has been defined for the resource manager in the 'qm.ini' configuration file. If this is the case, stop and then restart the queue manager so that any change will be picked up. Alternatively, the queue manager may be reaching a resource constraint with this resource manager. For example, the resource manager may not be able to accommodate all of the queue manager processes being connected at one time, you may need to alter one of its tuning parameters.

AMQ7605 The XA resource manager &3 has returned an unexpected return code &1, when called for &4.

Explanation: MQSeries received an unexpected return code when calling XA resource manager &3 at its &4 entry point. This indicates an internal error, either within MQSeries or the resource manager.

User action: Try to determine the source of the error. A trace of the failure could be used to look at the XA flows between MQSeries and the resource manager. MQSeries has allocated an RMIId of &2 to this resource manager. This will be useful when isolating the flows associated with the resource manager concerned. If the error occurs on an xa_commit or xa_rollback request, the queue manager will not attempt to redeliver the commit or rollback instruction for this transaction, until after the queue manager has been restarted. The transaction indoubt is identified by the following XID of X'&5'. If you think that the error lies within the queue manager, contact your IBM support center. Do not discard any information describing the problem until after the problem has been resolved.

AMQ7606 A transaction has been committed but one or more resource managers have backed out.

Explanation: MQSeries was processing the commit operation for a transaction involving external resource managers. One or more of these resource managers failed to obey the commit request and instead rolled back their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers may now be out of synchronization. MQSeries will issue further messages to indicate which resource managers failed to commit their updates.

User action: The transaction with the mixed outcome is identified by the following XID of X'&3'. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be

displayed by the dspmqtrn command and all other transaction participants will have committed their updates. If the transaction is displayed by the dspmqtrn command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7607 A transaction has been rolled back but one or more resource managers have committed.

Explanation: MQSeries was rolling back a transaction involving external resource managers. One or more of these resource managers failed to obey the rollback request and instead committed their updates. The outcome of the transaction is now mixed and the resources owned by these resource managers may now be out of synchronization. MQSeries will issue further messages to indicate which resource managers failed to roll back their updates.

User action: The transaction with the mixed outcome is identified by the following XID of X'&3'. The messages which identify the failing resource managers will also contain this same XID. If the transaction has completed it won't be displayed by the dspmqtrn command and all other transaction participants will have rolled back their updates. If the transaction is displayed by the dspmqtrn command then there are some participants still in prepared state. In order to preserve data integrity you will need to perform recovery steps local to the failing resource managers.

AMQ7608 XA resource manager '&4' returned heuristic return code &1 when instructed to commit.

Explanation: This message is associated with an earlier AMQ7606 message reporting a mixed transaction outcome. It identifies one of the resource managers that failed to commit its updates. The transaction associated with this failure is identified by the following XID of X'&3'.

User action: Use the return code &1 returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the commit decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7609 XA resource manager '&4' returned heuristic return code &1 when instructed to roll back.

Explanation: This message is associated with an earlier AMQ7607 message reporting a mixed transaction outcome. It identifies one of the resource managers that failed to rollback its updates. The transaction associated with this failure is identified by the following XID of X'&3'.

User action: Use the return code &1 returned by the resource manager to determine the effects of the failure. The return code indicates that the resource manager made a heuristic decision about the outcome of the transaction which disagrees with the rollback decision of the queue manager. In order to preserve data integrity you will need to perform recovery steps local to this resource manager.

AMQ7612 Switch call exception

Explanation: Exception number &1 occurred when calling resource manager switch &3.

User action: Check the resource manager switch has not been corrupted.

AMQ7622 MQSeries could not load the XA switch load file for resource manager '&3'.

Explanation: An error has occurred loading XA switch file &4. If the error occurred during startup then the queue manager will terminate. At all other times the queue manager will continue without this resource manager meaning that it will no longer be able to participate in global transactions. The queue manager will also retry the load of the switch file at regular intervals so that the resource manager will be able to participate again should the load problem be resolved.

User action: Look for a previous message outlining the reason for the load failure. Message AMQ6175 is issued if the load failed because of a system error. If this is the case then follow the guidance given in message AMQ6175 to resolve the problem. In the absence of prior messages or FFST information related to this problem check that the name of the switch load file is correct and that it is present in a directory from which it can be dynamically loaded by the queue manager. The easiest method of doing this is to define the switch load file as a fully-qualified name. Note that if the queue manager is still running it will need to be restarted in order that any changes made to its 'qm.ini' configuration file can be picked up.

AMQ7623 MQSeries has not been configured with XA resource manager '&3' which may be involved in in-doubt transactions. The queue manager is continuing without this resource manager.

Explanation: The queue manager has recognized that XA resource manager '&3' was removed from the registry entry of the queue manager. However, it was logged as being involved in &1 transactions that are still in-doubt. The queue manager cannot resolve these transactions.

User action: Check that the configuration data entry of the queue manager concerned has not been altered by mistake, resulting in an 'XAResourceManager' stanza being removed, or the 'Name' of any the resource managers being changed.

If the configuration data entry was changed by mistake, you need to reinstate resource manager '&3' in the configuration data before stopping, and then restarting the queue manager to access the change.

If you have intentionally removed a resource manager from the configuration data, consider the integrity implications of your action because the resource manager concerned may be in an in-doubt state.

If you are sure that this is not the case, you can use the 'rsvmqtrn' command to instruct the resource manager to inform the queue manager that it can forget about the transactions concerned.

If using the 'rsvmqtrn' command could result in an integrity problem, you should consider reinstating the resource manager in the configuration data, so that the queue manager can contact the resource manager and automatically resolve the transactions concerned next time the queue manager is restarted.

AMQ7624 An exception occurred during an &4 call to XA resource manager '&3'.

Explanation: An exception has been detected during a call to an XA resource manager. The queue manager will continue after assuming a return code of XAER_RMERR from the call.

User action: An FFST should have been produced which documents the exception. Use this and any further FFSTs to try and determine the reason for the failure. A trace of the problem will be useful to identify the XA flows between the queue manager and the resource manager concerned. MQSeries has allocated an RMLid of &1 to this resource manager. Use this to isolate the flows concerned. First contact the supplier of the resource manager for problem resolution. If however you think that the problem lies within the queue manager then contact your IBM support center. Do not discard any information describing the problem until after it has been resolved.

AMQ7625 The XA resource manager '&3' has become available again.

Explanation: MQSeries has managed to regain contact with a resource manager that had become unavailable. Any in-doubt transactions involving this resource manager will be resolved. The resource manager will now be able to participate in new transactions.

User action: None.

AMQ7626 XA resource manager initialization failure. Refer to the error log for more information.

Explanation: The queue manager has failed to initialize one or more of the XA resource managers defined in the configuration data.

User action: Correct the error and restart the queue manager.

AMQ7701 DMPMQLOG command is starting.

Explanation: You have started the DMPMQLOG command and it is processing your request.

User action: None.

AMQ7702 DMPMQLOG command has finished successfully.

Explanation: The DMPMQLOG command has finished processing your request and no errors were detected.

User action: None.

AMQ7703 DMPMQLOG command has used option '&3' with an invalid value '&4'.

Explanation: You started the DMPMQLOG command specifying an invalid option value. The '&4' value for option '&3' is either missing or of an incorrect format.

User action: Refer to the command syntax, and then try the command again.

AMQ7704 DMPMQLOG command has used an invalid option '&3'.

Explanation: You started the DMPMQLOG command specifying an invalid option of '&3'.

User action: Refer to the command syntax and then try the command again.

AMQ7705 Usage: dmpmqlog [-b | -s StartLSN | -n ExtentNumber] [-e EndLSN] [-f LogFilePath] [-m QMgrName]

Explanation:

User action: None.

AMQ7706 DMPMQLOG command has used an incorrect queue manager name '&3' or path '&4'.

Explanation: The DMPMQLOG command has used '&3' as the queue manager name and, if shown, '&4' as the directory path for '&3'. Either '&3' and/or '&4' is incorrect; if '&4' is not shown then it is '&3' which is incorrect.

Possible reasons for the error include:
(INI) file are incorrect;

If you started the command specifying option -m (queue manager name option) with a value then this value will have been used as the queue manager name, otherwise the default queue manager name will have been used.

User action: Check that '&3' is an existing queue manager name. Check your MQSeries system's initialization (INI) file to ensure that '&3' and its associated entries are correct. If '&4' is shown, check that it is a correct MQSeries system directory path for '&3'.

AMQ7707 DMPMQLOG command has failed: CompCode = 0x&1.

Explanation: The DMPMQLOG command has detected an error and the MQSeries recording routine has been called. Possible reasons for this include a damaged log file, a problem during initialization for the queue manager or an internal MQSeries failure.

User action: Check that the queue manager being used by DMPMQLOG, as specified by you using the -m command option or defaulted, exists and is not currently running. If it does not exist, try the command again specifying an existing queue manager. If it is running, stop the queue manager and then try the command again. Otherwise, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Note the completion code (CompCode) and then contact your IBM support center.

AMQ7708 DMPMQLOG command has used an invalid default queue manager name.

Explanation: You started the DMPMQLOG command without specifying option -m (queue manager name option) and so your MQSeries default queue manager name has been used. However, this default name either could not be found or is invalid.

User action: Check that the default queue manager name exists and is valid, and then try the command again.

AMQ7709 DMPMQLOG command has used an invalid combination of options.

Explanation: You started the DMPMQLOG command specifying an invalid combination of the options -b (base LSN option), -s (start LSN option) and -n (extent number option). Only 1 or none of these options may be specified.

User action: Refer to the command syntax and then try the command again.

AMQ7710 DMPMQLOG command has used option -n which is invalid for circular logging.

Explanation: You started the DMPMQLOG command specifying option -n (extent number option) but this is not valid when your MQSeries log is defined as circular.

User action: Use a different option and then try the command again.

AMQ7711 DMPMQLOG command has used option -m with a value that is too long.

Explanation: You started the DMPMQLOG command specifying option -m (queue manager name option) with a value that is more than &1 characters.

User action: Specify a shorter queue manager name and then try the command again.

AMQ7712 DMPMQLOG command has used option -f with a value which is too long.

Explanation: You started the DMPMQLOG command specifying option -f (log file path option) with a value which is more than &1 characters.

User action: Specify a shorter log file path name and then try the command again.

AMQ7713 DMPMQLOG command was unable to allocate sufficient storage.

Explanation: The DMPMQLOG command has been unable to allocate some storage.

User action: Free some storage and then try the command again.

AMQ7714 DMPMQLOG command has reached the end of the log.

Explanation: The DMPMQLOG command has processed any log data and has now reached the end of the log.

User action: None.

AMQ7715 DMPMQLOG command cannot open file '&3'.

Explanation: The DMPMQLOG command was unable to open file '&3' for reading.

User action: Check that the file exists, can be opened for reading, and that you have authority to access it, and then try the command again.

AMQ7716 DMPMQLOG command has finished unsuccessfully.

Explanation: The DMPMQLOG command has finished with your request but an error has been detected. The previous message issued by the command can be used to identify the error.

User action: Refer to the previous message issued by the command.

AMQ7717 DMPMQLOG command has failed to initialize: CompCode = 0x&1.

Explanation: The DMPMQLOG command has failed during its initialization and the MQSeries recording routine has been called. Possible reasons for this include that your queue manager is already running. The completion code can be used to identify the error.

User action: Check that the queue manager being used by DMPMQLOG, as specified by you using the -m command option or defaulted, exists and is not currently running. If it is running, stop the queue manager and then try the command

again. Otherwise, use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7718 DMPMQLOG command is using a default of '&3' for the queue manager name.

Explanation: You have started the DMPMQLOG command without specifying option -m (queue manager name option) and so a default value of '&3' is being used. This value is obtained from your MQSeries default queue manager name.
User action: None.

AMQ7719 DMPMQLOG command is using a default of '&3' for the starting dump location.

Explanation: You have started the DMPMQLOG command without specifying option -b (base LSN option), option -s (start LSN option) or option -n (extent number option), and so a default value of '&3' is being used. This value is the Log Sequence Number (LSN) of the first record in the active part of the log, and will be used as the location from which to start dumping.
User action: None.

AMQ7720 DMPMQLOG command is using extent '&1' but the current extent is '&2'.

Explanation: You have started the DMPMQLOG command specifying option -n (extent number option) with a value of '&1' but this value is greater than '&2', which represents the extent currently being used.
User action: When using option -n, specify its value as being less than or equal to the extent number currently being used.

AMQ7721 DMPMQLOG command has not found any log records in extent number '&1'.

Explanation: During its normal processing, the DMPMQLOG command did not find any log records in this extent.
User action: None.

AMQ7722 DMPMQLOG command cannot find the object catalogue for queue manager '&3'.

Explanation: The DMPMQLOG command is using the queue manager named '&3' but cannot find the manager's object catalogue file. This file should have been created at the time the queue manager was created.
User action: Refer to the "System Management Guide" for a description of the location and name of the object catalogue file. Check that the file exists and is available for use by this command. If it does not exist then you will need to re-create the queue manager.

AMQ7723 DMPMQLOG command cannot find the requested Log Sequence Number (LSN).

Explanation: The DMPMQLOG command has been started with an LSN but it cannot be found in the log.
User action: Check for an existing LSN and then try the command again.

AMQ7724 DMPMQLOG command cannot use the requested extent number.

Explanation: The DMPMQLOG command has been started with an extent number but it is beyond the end of the log.
User action: Check for an existing extent number and then try the command again.

AMQ7725 DMPMQLOG command cannot find an old Log Sequence Number (LSN).

Explanation: The DMPMQLOG command has been started specifying an LSN which is older than the log's base LSN. However, the specified LSN could not be found.
User action: Check for an existing LSN and then try the command again.

AMQ7726 DMPMQLOG command has used option -s with an incorrect value for circular logging.

Explanation: You started the DMPMQLOG command specifying option -s (start LSN option) with a value which is less than the base LSN of a log which is defined as circular. LSN values less than the base LSN can only be specified when using a linear log.
User action: When using option -s with a circular log, specify an option value which is equal or greater to the log's base LSN, and then try the command again.

AMQ7806 Could not start MQSeries web administration server: &1.

Explanation: An unsuccessful attempt was made to start the MQSeries web administration server on port &1.
User action: Check the product is installed correctly; the required registry keys and values are correct and the web server port is not already in use. If the problem persists contact your service representative.

AMQ7807 MQSeries web administration server running. Listening on port &4, root directory is &5.

Explanation: MQSeries web administration server running. Listening on port &4, root directory is &5.
User action: No action is required.

AMQ7808 Internal run-time error in MQSeries web administration: &4.

Explanation: MQSeries web administration had the following internal run-time error: &4.
User action: Check that: the product is installed correctly and that the required registry keys and values are correct. If the problem persists contact your service representative.

AMQ7810 Failed to create class, reason code: &1.

Explanation: While trying to create class &3 on &4 error code &1 was encountered. The associated error message generated by the operating system is: &5
User action: Check the system documentation to determine the course of action required to rectify the problem.

AMQ7880 Error &1 starting MQSeries &3 on &4.

Explanation: MQSeries service was unable to start the &3 service for queue manager &4. The error message reported was as follows: &5
User action: Use the MQSeries MMC Services Manager to investigate why the service could not begin. If recovery for this service is active, MQSeries will attempt to recover.

AMQ7881 Unable to stop MQSeries &3 on &4, error &1.

Explanation: MQSeries service was unable to stop the &3 service for queue manager &4. The error message reported was as follows: &5

User action: Use the MQSeries MMC Services Manager to investigate why the service could not be stopped.

AMQ7882 Attempting to recover MQSeries &3 on &4.

Explanation: MQSeries service has detected that the &3 service for queue manager &4 has failed, and is attempting to restart it.

User action: No Action Required.

AMQ7883 &3 on &4 started from recovery.

Explanation: MQSeries service has successfully recovered the &3 service on queue manager &4.

User action: No Action Required.

AMQ7884 Unable to recover &3 on &4.

Explanation: MQSeries service has attempted to recover the &3 service on queue manager &4, but all attempts have failed. There will be no more attempts to recover this service.

User action: Use the MQSeries MMC Services Manager to investigate why the service failed and could not be restarted.

AMQ7885 Unable to delete queue manager &4, error &1.

Explanation: An attempt to delete queue manager &4 failed because the queue manager does not exist. MQSeries returned the error &1: &5

User action: Ensure that the queue manager name has been specified correctly, and try again.

AMQ7886 Unable to create queue manager &4.

Explanation: Queue manager &4 could not be created. MQSeries returned error &1: &5

User action: No action required.

AMQ7890 Unable to open mapped file containing MQSeries performance data.

Explanation: The MQSeries extensible counter dll was unable to open a mapped file used to collect queue performance data. Your system may be running short on virtual memory.

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7891 Unable to create a mutex to access MQSeries performance data.

Explanation: The MQSeries extensible counter dll was unable to create a mutex required to synchronize collection of queue performance data

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7892 Unable to map to shared memory file containing MQSeries performance data.

Explanation: The MQSeries extensible counter dll was unable to map the shared memory file required for collection of queue performance data.

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7893 Unable to open "Performance" key for MQSeries services. Status code: &1

Explanation: The MQSeries extensible counter dll was unable to obtain performance counter values from the "Performance" key for MQSeries services. Status code is the return value from the Windows registry call RegOpenKeyEx.

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7894 Unable to read the "Performance\First Counter" value for MQSeries services. Status code: &1

Explanation: The MQSeries extensible counter dll was unable to obtain performance counter values from the "Performance\First Counter" key for MQSeries services. Status code is the return value from the Windows registry call RegOpenKeyEx.

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7895 Unable to read the "Performance\First Help" value for MQSeries services. Status code: &1

Explanation: The MQSeries extensible counter dll was unable to obtain performance counter values from the "Performance\First Counter" key for MQSeries services. Status code is the return value from the Windows registry call RegOpenKeyEx.

User action: No action required. Performance statistics for MQSeries queues will not be displayed.

AMQ7901 The data-conversion exit &3 has not loaded.

Explanation: The data-conversion exit program, &3, failed to load. The internal function gave exception &4.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7902 The data-conversion exit &3 was not loaded. The operating system call &4 returned &1.

Explanation:

User action: Specify REPLACE to over-write the existing file, or choose a different output file name.

AMQ7903 The data-conversion exit &3 cannot be found.

Explanation: Message data conversion has been requested for an MQSeries message with a user-defined format, but the necessary data-conversion exit program, &3, cannot be found. The internal function gave exception &4.

User action: Check that the necessary data-conversion exit &3 exists.

AMQ7904 The data-conversion exit &3 cannot be found, or loaded.

Explanation: Message data conversion was requested for an MQSeries message with a user-defined format, but the necessary data conversion exit program, &3, was not found, or loaded. The &4 function call gave a return code of &1.

User action: Check that the necessary data conversion exit routine exists in one of the standard directories for dynamically loaded modules. If necessary, inspect the generated output to examine the message descriptor (MQMD structure) of the MQSeries message for the conversion which

was requested. This may help you to determine where the message originated.

AMQ7905 Unexpected exception &4 in data-conversion exit.

Explanation: The data-conversion exit program, &3, ended with an unexpected exception &4. The message has not been converted.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7907 Unexpected exception in data-conversion exit.

Explanation: The data-conversion exit routine, &3, ended with an unexpected exception. The message has not been converted.

User action: Correct the error in the data-conversion exit routine.

AMQ7921 An incorrect eye-catcher field in an MQDXP structure has been detected.

Explanation: The MQDXP structure passed to the Internal Formats Conversion routine contains an incorrect eye-catcher field.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ7922 A PCF message is incomplete.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the message is only &1 bytes long and does not contain a PCF header. The message has either been truncated, or it contains data that is not valid.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7923 A message had an unrecognized integer encoding - &1.

Explanation: Message data conversion cannot convert a message because the integer encoding value of the message, &1, was not recognized.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7924 Bad length in the PCF header (length = &1).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the PCF header structure contains an incorrect length field. Either the message has been truncated, or it contains data that is not valid.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7925 Message version &1 is not supported.

Explanation: Message data conversion cannot convert a message because the Version field of the message contains an incorrect value.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7926 A PCF message has an incorrect parameter count value &1.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because the parameter count field of the PCF header is incorrect.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7927 Bad type in PCF structure number &1 (type = &2).

Explanation:

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7928 Bad length in PCF structure number &1 (length = &2).

Explanation:

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7929 A PCF structure is incomplete.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number &1, of Type value &2, within the message is incomplete. The message has either been truncated, or it contains data that is not valid.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7930 Bad CCSID in PCF structure number &1 (CCSID = &2).

Explanation:

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7931 Bad length in PCF structure number &1 (length = &2).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because one of the structures of the message contains an incorrect length field.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7932 Bad count in PCF structure number &1 (count = &2).

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because a StringList structure of the message contains an incorrect count field.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message, and to see how data that is not valid became included in the message.

AMQ7933 Bad string length in PCF structure.

Explanation: Message data conversion cannot convert a message in Programmable Command Format (PCF) because structure number &1 of the message contains an incorrect string length value &2.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message, and the incorrect structure to determine the source of the message

and to see how data that is not valid became included in the message.

AMQ7934 Wrong combination of MQCCSI_DEFAULT with MQCCSI_EMBEDDED.

Explanation: Message data conversion could not convert a message in Programmable Command Format (PCF) because structure &1 of the message contained a CodedCharSetId field of MQCCSI_DEFAULT while the message itself had a CodedCharSetId of MQCCSI_EMBEDDED. This is an incorrect combination.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor, the headers of the message and the incorrect structure to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7935 Bad CCSID in message header (CCSID = &1).

Explanation: Message data conversion could not convert a message because the Message Descriptor of the message contained an incorrect CodedCharSetId field.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Do not discard these files until the problem has been resolved. Use the file containing the Message Descriptor of the message to determine the source of the message and to see how data that is not valid became included in the message.

AMQ7936 The file &3 already exists.

Explanation: The output file already exists, but REPLACE has not been specified.

User action: Specify REPLACE to over-write the existing file, or select a different output file name.

AMQ7937 Structure length &1 in MQFMT_IMS_VAR_STRING format message is not valid.

Explanation: This error is detected when attempting data conversion. The valid range for the length is 4 (with no string data) to 32764. The message is returned unconverted with a reason code of MQRC_CONVERTED_STRING_TOO_BIG.

User action: Check the content of the message before data conversion and correct the message format. When converting data using two or more bytes per character, remember that the number of bytes in each character can change during data conversion. This causes the message lengths to change.

AMQ7943 Usage: crtmqcvx SourceFile TargetFile

Explanation: None.

User action: None.

AMQ7953 One structure has been parsed.

Explanation: The crtmqcvx command has parsed one structure.

User action: None.

AMQ7954 &1 structures have been parsed.

Explanation: The crtmqcvx command has parsed &1 structures.

User action: None.

AMQ7955 Unexpected field: &1.

Explanation: The field within the structure is of a type that is not recognized.

User action: Correct the field and retry the command.

AMQ7956 Bad array dimension.

Explanation: An array field of the structure has an incorrect dimension value.

User action: Correct the field and retry the command.

AMQ7957 Warning at line &1.

Explanation: The structure contains another field after a variable length field.

User action: Correct the structure and retry the command.

AMQ7958 Error at line &1 in field &3.

Explanation: Field name '&3' is a field of type 'float'. Fields of type float are not supported by this command.

User action: Either correct the structure to eliminate fields of type float, or write your own routine to support conversion of these fields.

AMQ7959 Error at line &1 in field &3.

Explanation: Field name '&3' is a field of type 'double'. Fields of type double are not supported by this command.

User action: Either correct the structure to eliminate fields of type double, or write your own routine to support conversion of these fields.

AMQ7960 Error at line &1 in field &3.

Explanation: Field name '&3' is a 'pointer' field. Fields of type pointer are not supported by this command.

User action: Either correct the structure to eliminate fields of type pointer, or write your own routine to support conversion of these fields.

AMQ7961 Error at line &1 in field &3.

Explanation: Field name '&3' is a 'bit' field. Bit fields are not supported by this command.

User action: Either correct the structure to eliminate bit fields, or write your own routine to support conversion of these fields.

AMQ7962 No input file specified.

Explanation: This command requires that an input file is specified.

User action: Specify the name of the input file and retry the command.

AMQ7963 No output file specified.

Explanation: This command requires that an output file name is specified.

User action: Specify the name of the output file and retry the command.

AMQ7964 Unexpected option &3.

Explanation: The option specified is not valid for this command.

User action: Retry the command with a valid option.

AMQ7965 Incorrect number of arguments.

Explanation: The command was passed an incorrect number of arguments.

User action: Retry the command, passing it the correct number of arguments.

AMQ7968 Cannot open file '&3'.

Explanation: You cannot open the file &3.

User action: Check that you have the correct authorization to the file and retry the command.

AMQ7969 Syntax error.

Explanation: This line of the input file contains a language syntax error.

User action: Correct the syntax error and retry the command.

AMQ7970 Syntax error on line &1.

Explanation: This message identifies where, in the input file, a previously reported error was detected.

User action: Correct the error and retry the command.

AMQ8000-AMQ8999 MQSeries administration messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ8001 MQSeries queue manager created.

Explanation: MQSeries queue manager &5 created.
User action: None.

AMQ8002 MQSeries queue manager deleted.

Explanation: MQSeries queue manager &5 deleted.
User action: None.

AMQ8003 MQSeries queue manager '&5' started.

Explanation: MQSeries queue manager '&5' started.
User action: None.

AMQ8004 MQSeries queue manager ended.

Explanation: MQSeries queue manager &5 ended.
User action: None.

AMQ8005 MQSeries queue manager changed.

Explanation: MQSeries queue manager &5 changed.
User action: None.

AMQ8006 MQSeries queue created.

Explanation: MQSeries queue &5 created.
User action: None.

AMQ8007 MQSeries queue deleted.

Explanation: MQSeries queue &5 deleted.
User action: None.

AMQ8008 MQSeries queue changed.

Explanation: MQSeries queue &5 changed.
User action: None.

AMQ8010 MQSeries process created.

Explanation: MQSeries process &5 created.
User action: None.

AMQ8011 MQSeries process deleted.

Explanation: MQSeries process &5 deleted.
User action: None.

AMQ8012 MQSeries process changed.

Explanation: MQSeries process &5 changed.
User action: None.

AMQ8014 MQSeries channel created.

Explanation: MQSeries channel &5 created.
User action: None.

AMQ8015 MQSeries channel deleted.

Explanation: MQSeries channel &5 deleted.
User action: None.

AMQ8016 MQSeries channel changed.

Explanation: MQSeries channel &5 changed.
User action: None.

AMQ8018 Start MQSeries channel accepted.

Explanation: MQSeries channel &5 is being started. The start channel function has been initiated. This involves a series of operations across the network before the channel is actually started. The channel status displays "BINDING" for a short period while communication protocols are negotiated with the channel with whom communication is being initiated.
User action: None.

AMQ8019 Stop MQSeries channel accepted.

Explanation: MQSeries channel &5 has been requested to stop.
User action: None.

AMQ8020 Ping MQSeries channel complete.

Explanation: Ping MQSeries channel &5 complete.
User action: None.

AMQ8021 MQSeries Listener program started.

Explanation: The MQSeries channel listener program has been started.
User action: None.

AMQ8022 MQSeries queue cleared.

Explanation: All messages on MQSeries queue &5 have been deleted.
User action: None.

AMQ8023 MQSeries channel reset.

Explanation: MQSeries channel &5 has been reset.
User action: None.

AMQ8024 MQSeries channel initiator started.

Explanation: The channel initiator for MQSeries queue &5 has been started.
User action: None.

AMQ8025 MQSeries channel resolved.

Explanation: In doubt messages for MQSeries channel &5 have been resolved.
User action: None.

AMQ8026 End MQSeries queue manager accepted.

Explanation: A controlled stop request has been initiated for MQSeries queue manager &5.
User action: None.

AMQ8027 MQSeries command server started.

Explanation: The MQSeries command server has been started.
User action: None.

AMQ8028 MQSeries command server ended.

Explanation: The MQSeries command server has been stopped.
User action: None.

AMQ8029 MQSeries authority granted.

Explanation: Authority for MQSeries object &5 granted.
User action: None.

AMQ8030 MQSeries authority revoked.

Explanation: Authority for MQSeries object &5 revoked.
User action: None.

AMQ8033 MQSeries object recreated.

Explanation: MQSeries object &5 has been recreated from image.
User action: None.

AMQ8034 MQSeries object image recorded.

Explanation: Image of MQSeries object &5 has been recorded.
User action: None.

AMQ8041 The queue manager cannot be restarted or deleted because processes, that were previously connected, are still running.

Explanation: Processes, that were connected to the queue manager the last time it was running, are still active. The queue manager cannot be restarted.
User action: Stop the processes and try to start the queue manager.

AMQ8043 Non runtime application attempted to connect to runtime only queue manager.

Explanation: A non runtime application attempted to connect to a queue manager on a node where support for non runtime applications has not been installed. The connect attempt will be rejected with a reason of MQRC_ENVIRONMENT_ERROR.

User action: If the node is intended to support only runtime applications, investigate why a non runtime application has attempted to connect to the queue manager. If the node is intended to support non runtime only applications, investigate if the base option has been installed. The base option must be installed if non runtime applications are to run on this node.

AMQ8044 The queue manager was not added to the Service Control Manager.

Explanation: The attempt to add the queue manager to the Windows NT registry failed. This may be because the appropriate entry could not be opened or modified.

User action: Check that the registry has sufficient space on your disk to grow and that your account has the authority to modify it.

AMQ8045 An error occurred while removing the queue manager from the Service Control Manager.

Explanation: The attempt to remove the queue manager from the Windows NT registry failed. This may be because the appropriate entry could not be opened or modified.

User action: Check that the registry has sufficient space on your disk to grow and that your account has the authority to modify it.

AMQ8046 The queue manager entry in the NT Service Control Manager was successfully updated.

Explanation: In future the queue manager will be started by the Windows NT service control manager using the specified start up script whenever the system starts.

User action: In order for the queue manager to be automatically started by the system it is necessary to restart your computer.

AMQ8047 The function &3 of amqscm.exe on line %1 returned code %2.

Explanation: An internal error occurred while executing the IBM MQSeries service.

User action: Use the standard facilities supplied with your system to record the problem identifier, and to save any generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ8048 Default objects statistics : &1 created. &2 replaced. &3 failed.

Explanation: Information on the number of objects created or replaced successfully as well as any failures that occurred while creating the default objects.

User action: None.

AMQ8049 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to improper authorization. The reason code is &1.

User action: Check this log for more details of what the problem may be. Make sure there are sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8053 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to a broken connection. The reason code is &1.

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8054 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to unavailable storage. The reason code is &1.

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8055 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to a damaged object. The reason code is &1.

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8056 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to a channel definition error. The error code is &1 (X'&2').

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8057 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to invalid records in the channel definition file. The error code is &1 (X'&2').

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8058 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to not finding the channel definition file. The error code is &1 (X'&2').

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8059 Object &4. Unable to create or replace.

Explanation: While creating or replacing the default object &4 for MQSeries queue manager &5 an error occurred. The error was due to an unexpected error, error code &1 (X'&2').

User action: Check this log for more details of what the problem may be. Make sure there is sufficient resources such as disk space and storage. For damaged or corrupted objects, replace these from backup objects. If all else fails, delete the queue manager &5 using dltmqm and create it again using crtmqm.

AMQ8060 Cannot open file '&3'.

Explanation: The service command file '&3' for queue manager '&4' cannot be found.

User action: Check that the correct command file name was specified when the scmmqm command was issued, and that this command file is available.

AMQ8061 Command '&4' is not valid.

Explanation: The command '&4' at line &1 in the MQSeries service command file '&3' for queue manager '&5' is not valid for use in the service command file. The line is ignored.

User action: Check the contents of the file and retry the operation.

AMQ8062 Unexpected return code, '&1', from command '&3'.

Explanation: An unexpected return code, '&1', was returned by command '&3'. This command was issued by the MQSeries service for queue manager '&4'.

User action: Verify that the command and parameters are correct.

AMQ8063 Not authorized to issue command '&3'.

Explanation: The current user '&5' is not authorized to issue the command '&3'. The command is ignored.

User action: Add the user to the local 'mqm' security group and retry the operation.

AMQ8064 Not authorized to start trusted application.

Explanation: The user '&5' is not authorized to start the trusted application '&3'. The application has not started.

User action: Add the user to the local 'mqm' security group and restart the application.

AMQ8065 Local group '&3' not found.

Explanation: The local group '&3' is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.

User action: Create the required local group and retry the operation.

AMQ8066 Local mqm group not found.

Explanation: The local mqm group is unavailable. It is not possible to verify that the user is authorized. The function cannot continue.

User action: Create the local mqm group and retry the operation.

AMQ8069 ApplicationGroup for the crtmqm command does not contain the mqm userid.

Explanation: MQSeries queue manager &5 not created. The ApplicationGroup specified for the crtmqm command must contain the mqm userid when the RestrictedMode option (-g) is specified.

User action: None.

AMQ8070 ApplicationGroup for crtmqm command is not defined.

Explanation: MQSeries queue manager &5 not created. RestrictedMode option (-g) specified, but the ApplicationGroup does not exist.

User action: None.

AMQ8071 RestrictedMode option not supported on this platform.

Explanation: MQSeries queue manager &5 not created. The RestrictedMode option was specified but is not supported on this platform.

User action: None.

AMQ8072 User '&3' not found.

Explanation: The user '&3' was not found in the security database of the local computer, the domain controller for the local computer or the domain controller for the process executing this command. It is not possible to verify that the user is authorized. The function cannot continue.

User action: Create the required user name.

AMQ8073 Authorization failed because SID: (&3) could not be resolved.

Explanation: The Object Authority Manager was unable to resolve the specified SID into entity and domain information.

User action: Ensure that the application provides a SID that is recognized on this system, that all necessary domain controllers are available, and that the security policy is set as you required.

AMQ8074 Authorization failed as the SID &3 does not match the entity &4.

Explanation: The Object Authority Manager received inconsistent data - the supplied SID does not match that of the supplied entity information.

User action: Ensure that the application is supplying valid entity and SID information.

AMQ8075 Authorization failed because the SID for entity &3 cannot be obtained.

Explanation: The Object Authority Manager was unable to obtain a SID for the specified entity.

User action: Ensure that the entity is valid, and that all necessary domain controllers are available.

AMQ8076 Authorization failed because no SID was supplied for entity &3.

Explanation: The Object Authority Manager was not supplied with SID information for the specified entity, and the security policy is set to 'UseNTSIDs'.

User action: Ensure that the application is supplying a valid SID, and that the security policy is set as you require.

AMQ8077 Entity &3 has insufficient authority to access object &4.

Explanation: The specified entity is not authorized to access the required object. The following requested permissions are unauthorized: &5

User action: Ensure that the correct level of authority has been set for this entity against the required object, or ensure that the entity is a member of a privileged group.

AMQ8101 Unexpected error (&1).

Explanation: An unexpected reason code with hexadecimal value &4 was received from the MQSeries queue manager during command processing. (Note that hexadecimal values in the range X'07D1'-X'0BB7' correspond to MQI reason codes 2001-2999.) More information might be available in the log. If the reason code value indicates that the error was associated with a particular parameter, the parameter concerned is &2.

User action: Correct the error and then try the command again.

AMQ8102 MQSeries object name specified in &2 not valid.

Explanation: MQSeries object name &5 specified in &2 is not valid. The length of the name must not exceed 48 characters, or 20 characters if it is a channel name. The name should contain the following characters only: lowercase a-z, uppercase A-Z, numeric 0-9, period (.), forward slash (/), underscore (_) and percent sign (%).

User action: Change the length of the parameter value or change the parameter value to contain a valid combination of characters, then try the command again.

AMQ8103 Insufficient storage available.

Explanation: There was insufficient storage available to perform the requested operation.

User action: Free some storage and then try the command again.

AMQ8104 MQSeries directory &3 not found.

Explanation: Directory &3 was not found. This directory is created when MQSeries is installed successfully. Refer to the log for more information.

User action: Verify that installation of MQSeries was successful. Correct the error and then try the command again.

AMQ8105 Object error.

Explanation: An object error occurred. Refer to the log for more information.

User action: Correct the error and then try the command again.

AMQ8106 MQSeries queue manager being created.

Explanation: The MQSeries queue manager is being created.

User action: Wait for the creation process to complete and then try the command again.

AMQ8107 MQSeries queue manager running.

Explanation: The MQSeries queue manager is running.

User action: None.

AMQ8108 MQSeries queue manager ending.

Explanation: The MQSeries queue manager is ending.

User action: Wait for the MQSeries queue manager to end and then try the command again.

AMQ8109 MQSeries queue manager being deleted.

Explanation: The MQSeries queue manager is being deleted.

User action: Wait for the deletion process to complete.

AMQ8110 MQSeries queue manager already exists.

Explanation: MQSeries queue manager &5 already exists.

User action: None.

AMQ8117 MQSeries queue manager deletion incomplete.

Explanation: Deletion of MQSeries queue manager &5 was only partially successful. An object was not found, or could not be deleted. Refer to the log for more information.

User action: Delete any remaining MQSeries queue manager objects.

AMQ8118 MQSeries queue manager does not exist.

Explanation: MQSeries queue manager &5 does not exist.

User action: Create the message queue manager (crtmqm command) and then try the command again.

AMQ8135 Not authorized.

Explanation: You are not authorized to perform the requested operation for the MQSeries object &5 specified in &2. Either you are not authorized to perform the requested operation, or you are not authorized to the specified MQSeries object. For a copy command, you may not be authorized to the specified source MQSeries object, or, for a create command, you may not be authorized to the system default MQSeries object of the specified type.

User action: Obtain the necessary authority from your security officer or MQSeries administrator. Then try the command again.

AMQ8137 MQSeries queue manager already starting.

Explanation: The strmqm command was unsuccessful because MQSeries queue manager &5 is already starting.

User action: Wait for the strmqm command to complete.

AMQ8138 The MQSeries queue has an incorrect type.

Explanation: The operation is not valid with MQSeries queue &5 because it is not a local queue.

User action: Change the QNAME parameter to specify an MQSeries queue of the correct type.

AMQ8139 Already connected.

Explanation: A connection to the MQSeries queue manager already exists.

User action: None.

AMQ8140 Resource timeout error.

Explanation: A timeout occurred in the communication between internal MQSeries queue manager components. This is most likely to occur when the system is heavily loaded.

User action: Wait until the system is less heavily loaded, then try the command again.

AMQ8141 MQSeries queue manager starting.

Explanation: MQSeries queue manager &5 is starting.

User action: Wait for the MQSeries queue manager startup process to complete and then try the command again.

AMQ8142 MQSeries queue manager stopped.

Explanation: MQSeries queue manager &5 is stopped.

User action: Use the strmqm command to start the MQSeries queue manager, and then try the command again.

AMQ8143 MQSeries queue not empty.

Explanation: MQSeries queue &5 specified in &2 is not empty or contains uncommitted updates.

User action: Commit or roll back any uncommitted updates. If the command is DELETE QLOCAL, use the CLEAR QLOCAL command to clear the messages from the MQSeries queue. Then try the command again.

AMQ8144 Log not available.

Explanation: The MQSeries logging resource is not available.

User action: Use the dlrmqm command to delete the MQSeries queue manager and then the crtmqm command to create the MQSeries queue manager. Then try the command again.

AMQ8145 Connection broken.

Explanation: The connection to the MQSeries queue manager failed during command processing. This may be caused by an endmqm -i command being issued by another user, or by an MQSeries queue manager error.

User action: Use the strmqm command to start the message queue manager, wait until the message queue manager has started, and try the command again.

AMQ8146 MQSeries queue manager not available.

Explanation: The MQSeries queue manager is not available because it has been stopped or has not been created.

User action: Use the crtmqm command to create the message queue manager, or the strmqm command to start the message queue manager as necessary. Then try the command again.

AMQ8147 MQSeries object not found.

Explanation: If the command entered was Change, the MQSeries object &5 specified in &2 does not exist. If the command entered was Copy, the source MQSeries object does not exist. If the command entered was Create, the system default MQSeries object of the specified type does not exist.

User action: Correct the MQSeries object name and then try the command again or, if you are creating a new MQSeries queue or process object, either specify all parameters explicitly or ensure that the system default object of the required type exists. The system default queue names are SYSTEM.DEFAULT.LOCAL.QUEUE, SYSTEM.DEFAULT.ALIAS.QUEUE and SYSTEM.DEFAULT.REMOTE.QUEUE. The system default process name is SYSTEM.DEFAULT.PROCESS.

AMQ8148 MQSeries object in use.

Explanation: MQSeries object &5 specified in &2 is in use by an MQSeries application program.

User action: Wait until the MQSeries object is no longer in use and then try the command again, or specify FORCE to force the processing of the MQSeries ALTER command regardless of any application program affected by the change. If the object is the dead-letter queue and the open input count is nonzero, it may be in use by an MQSeries channel. If the object is another MQSeries queue object with a nonzero open output count, it may be in use by an MQSeries channel (of type RCVR or RQSTR). In either case, use the STOP CHANNEL and START CHANNEL commands to stop and restart the channel in order to solve the problem. To alter the queue USAGE the FORCE option must be used if the queue is not empty.

AMQ8149 MQSeries object damaged.

Explanation: The MQSeries object &5 specified in &2 is damaged.

User action: The MQSeries object contents are not valid. Issue the DISPLAY CHANNEL, DISPLAY QUEUE, or DISPLAY PROCESS command, as required, to determine the name of the damaged object. Issue the DEFINE command, for the appropriate object type, to replace the damaged object, then try the command again.

AMQ8150 MQSeries object already exists.

Explanation: MQSeries object &5 specified for &2 could not be created because it already exists.

User action: Check that the name is correct and try the command again specifying REPLACE, or delete the MQSeries object. Then try the command again.

AMQ8151 MQSeries object has different type.

Explanation: The type specified for MQSeries object &5 is different from the type of the object being altered or defined.

User action: Use the correct MQSeries command for the object type, and then try the command again.

AMQ8152 Source MQSeries object has different type.

Explanation: The type of the source MQSeries object is different from that specified.

User action: Correct the name of the command, or source MQSeries object name, and then try the command again, or try the command using the REPLACE option.

AMQ8153 Insufficient disk space for the specified queue.

Explanation: The command failed because there was insufficient disk space available for the specified queue.

User action: Release some disk space and then try the command again.

AMQ8154 API exit load error.

Explanation: The MQSeries queue manager was unable to load the API crossing exit.

User action: Ensure that the API crossing exit program is valid, and that its name and directory are correctly specified. Correct any error and then try the command again.

AMQ8155 Connection limit exceeded.

Explanation: The queue manager connection limit has been exceeded.

User action: The maximum limit on the number of MQSeries application programs that may be connected to the MQSeries queue manager has been exceeded. Try the command later.

AMQ8156 MQSeries queue manager quiescing.

Explanation: The MQSeries queue manager is quiescing.

User action: The queue manager was stopping with -c specified for endmqm. Wait until the queue manager has been restarted and then try the command again.

AMQ8157 Security error.

Explanation: An error was reported by the security manager program.

User action: Inform your systems administrator, wait until the problem has been corrected, and then try the command again.

AMQ8172 Already disconnected.

Explanation: The MQI reason code of 2018 was returned from the MQSeries queue manager in response to an MQDISC request issued during command processing.

User action: None.

AMQ8173 No processes to display.

Explanation: There are no matching processes defined on this system.

User action: Using the DEFINE PROCESS command to create a process.

AMQ8174 No queues to display.

Explanation: There are no matching queues defined on this system.

User action: Use the appropriate command to define a queue of the type that you require, that is, DEFINE QALIAS, DEFINE QLOCAL, DEFINE QMODEL, or DEFINE QREMOTE.

AMQ8185 Operating system object already exists.

Explanation: The MQSeries object cannot be created because an object that is not known to MQSeries already exists in the MQSeries directory with the name that should be used for the new object. Refer to the log for previous messages.

User action: Remove the non-MQSeries object from the MQSeries library, and try the command again.

AMQ8186 Image not available for MQSeries object &5.

Explanation: MQSeries object &5 type &3 cannot be recreated because the image is not fully available in the logs that are currently online. Refer to earlier messages in the error log for information about the error logs that need to be brought online for this object to be recreated.

User action: Bring the relevant error logs online, and try the command again.

AMQ8187 MQSeries object &5 is currently open.

Explanation: MQSeries object &5, type &3, is currently in use, so the &1 command cannot be issued against it. If a generic list was presented to the command, the command is still issued against the other objects in the list.

User action: Wait until the object is no longer in use, and try the command again.

AMQ8188 Insufficient authorization to MQSeries object &5.

Explanation: You are not authorized to issue the &1 command against MQSeries object &5 type &3. If a generic list was presented to the command, the command is still issued against the other objects in the list.

User action: Obtain sufficient authorization for the object, and retry the command.

AMQ8189 MQSeries object &5 is damaged.

Explanation: MQSeries object &5 type &3 is damaged and the &1 command cannot be issued against it. If a generic list was presented to the command then the command is still issued against the other objects in the list.

User action: Issue the appropriate DEFINE command for the object, specifying REPLACE, and then try the command again.

AMQ8190 &1 succeeded on &2 objects and failed on &3 objects.

Explanation: An operation performed on a generic list of objects was not completely successful.

User action: Examine the log for details of the errors encountered, and take appropriate action.

AMQ8191 MQSeries command server is starting.

Explanation: The MQSeries command server is starting.

User action: Wait for the strmqcsv command to complete and then try the operation again.

AMQ8192 MQSeries command server already starting.

Explanation: The request to start the MQSeries command server was unsuccessful because the MQSeries command server is already starting.

User action: Wait for the strmqcsv command to complete.

AMQ8193 MQSeries command server is ending.

Explanation: The MQSeries command server is ending.

User action: Wait for the endmqcsv command to complete and then try the command again.

AMQ8194 MQSeries command server already ending.

Explanation: The end MQSeries command server request was unsuccessful because the MQSeries command server is already ending.

User action: Wait for the endmqcsv command to complete.

AMQ8195 MQSeries command server already running.

Explanation: The strmqcsv command was unsuccessful because the MQSeries command server is already running.

User action: None.

AMQ8196 MQSeries command server already stopped.

Explanation: The request to end the MQSeries command server was unsuccessful because the MQSeries command server is already stopped.

User action: None.

AMQ8197 Deleted MQSeries queue damaged.

Explanation: The deleted MQSeries queue &5 was damaged, and any messages it contained have been lost.

User action: None.

AMQ8202 TMQNAME only allowed with channel type *SDR or *SVR.

Explanation: The TMQNAME parameter may only be specified with channel type *SDR or *SVR.

User action: Remove the TMQNAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8204 MCANAME only allowed with channel type *SDR, *SVR, or *RQSTR.

Explanation: The MCANAME parameter may only be specified with channel type *SDR, *SVR, or *RQSTR.

User action: Remove the MCANAME parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR, *SVR, or *RQSTR. Then try the command again.

AMQ8205 DSCITV only allowed with channel type *SDR or *SVR.

Explanation: The DSCITV parameter may only be specified with channel type *SDR or *SVR.

User action: Remove the DSCITV parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8206 SHORTRTY only allowed with channel type *SDR or *SVR.

Explanation: The SHORTRTY parameter may only be specified with channel type *SDR or *SVR.

User action: Remove the SHORTRTY parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8207 SHORTTMR only allowed with channel type *SDR or *SVR.

Explanation: The SHORTTMR parameter may only be specified with channel type *SDR or *SVR.
User action: Remove the SHORTTMR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8208 LONGRTY only allowed with channel type *SDR or *SVR.

Explanation: The LONGRTY parameter may only be specified with channel type *SDR or *SVR.
User action: Remove the LONGRTY parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8209 LONGTMR only allowed with channel type *SDR or *SVR.

Explanation: The LONGTMR parameter may only be specified with channel type *SDR or *SVR.
User action: Remove the LONGTMR parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8210 PUTAUT only allowed with channel type *RCVR or RQSTR.

Explanation: The PUTAUT parameter may only be specified with channel type *RCVR or RQSTR.
User action: Remove the PUTAUT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *RCVR or RQSTR. Then try the command again.

AMQ8211 BATCHINT only allowed with channel type *SDR or *SVR.

Explanation: The BATCHINT parameter may only be specified with channel type *SDR or *SVR.
User action: Remove the BATCHINT parameter from the command or, if the command is CRTMQMCHL, change the CHLTYPE parameter value to specify *SDR or *SVR. Then try the command again.

AMQ8214 CONNAME parameter required with channel types SDR, RQSTR, CLUSSDR and CLUSRCVR.

Explanation: The CONNAME parameter must be specified with channel type SDR, RQSTR, CLUSSDR and CLUSRCVR.
User action: Enter a value for parameter CONNAME.

AMQ8219 Command server queue is open, retry later.

Explanation:
User action: Wait and try again later.

AMQ8226 MQSeries channel already exists.

Explanation: MQSeries channel &3 cannot be created because it already exists.
User action: Check that the name is correct and try the command again specifying REPLACE, or delete the MQSeries channel and then try the command again.

AMQ8227 Channel &3 not found.

Explanation: The channel could not be found.
User action: Correct the Channel Name if wrong and then try the command again. For DEFINE CHANNEL check that the Channel Name in error exists.

AMQ8287 No channels with status to display.

Explanation: There are no channels having status information to display. This indicates either, that the channel has not been started previously, or, that the channel has been started but has not yet completed a transmission sequence.
User action: None.

AMQ8296 &4 MQSC commands completed successfully.

Explanation: The &1 command has completed successfully. The &4 MQSeries commands from &5 have been processed without error and a report written to the printer spool file.
User action: None.

AMQ8297 &4 MQSC commands verified successfully.

Explanation: The &1 command completed successfully. The &4 MQSeries commands from &5 have been verified and a report written to the printer spool file.
User action: None.

AMQ8298 Error report generated for MQSC command process.

Explanation: The &1 command attempted to process the sequence of MQSeries commands from &5 and encountered some errors, however, the operation may have partially completed. A report has been written to the printer spool file.
User action: Examine the spooled printer file for details of the errors encountered, correct the MQSC source file, and retry the operation.

AMQ8299 Cannot open &5 for MQSC process.

Explanation: The &1 command failed to open &5 for MQSeries command processing.
User action: Check that the intended file exists, and has been specified correctly. Correct the specification or create the object, and try the operation again.

AMQ8302 Internal failure initializing MQSeries services.

Explanation: An error occurred while attempting to initialize MQSeries services.
User action:

AMQ8304 Tracing cannot be started. Too many traces are already running.

Explanation:
User action: Stop one or more of the other traces and try the command again.

AMQ8305 Tracing cannot be started. Too many traces are already running.

Explanation:
User action: Stop one or more of the other traces and try the command again.

AMQ8401 &1 MQSC commands read.

Explanation: The MQSC script contains &1 commands.
User action: None.

AMQ8402 &1 commands have a syntax error.

Explanation: The MQSC script contains &1 commands having a syntax error.
User action: None.

AMQ8403 &1 valid MQSC commands could not be processed.

Explanation: The MQSC script contains &1 commands that failed to process.
User action: None.

AMQ8404 Command failed.

Explanation: An MQSC command has been recognized, but cannot be processed.
User action: None.

AMQ8405 Syntax error detected at or near end of command segment below:-

Explanation: The MQSC script contains &1 commands having a syntax error.
User action: None.

AMQ8406 Unexpected 'end of input' in MQSC.

Explanation: An MQSC command contains a continuation character, but the 'end of input' has been reached without completing the command.
User action: None.

AMQ8407 Display Process details.

Explanation: The MQSC DISPLAY PROCESS command completed successfully, and details follow this message.
User action: None.

AMQ8408 Display Queue Manager details.

Explanation: The MQSC DISPLAY QMGR command completed successfully, and details follow this message.
User action: None.

AMQ8409 Display Queue details.

Explanation: The MQSC DISPLAY QUEUE command completed successfully, and details follow this message.
User action: None.

AMQ8410 Parser Error.

Explanation: The MQSC Parser has an internal error.
User action: None.

AMQ8412 Numeric Range Error.

Explanation: The value assigned to an MQSC command keyword is out of the permitted range.
User action: None.

AMQ8413 String Length Error.

Explanation: A string assigned to an MQSC keyword is either NULL, or longer than the maximum permitted for that keyword.
User action: None.

AMQ8414 Display Channel details.

Explanation: The MQSC DISPLAY CHL command completed successfully, and details follow this message.
User action: None.

AMQ8415 MQSeries commands are active.

Explanation: The MQSC PING QMGR command completed successfully.
User action: None.

AMQ8416 MQSC timed out waiting for a response from the command server.

Explanation: MQSC did not receive a response message from the remote command server in the time specified.
User action: None.

AMQ8417 Display Channel Status details.

Explanation: The MQSC DISPLAY CHANNEL STATUS command completed successfully, and details follow this message.
User action: None.

AMQ8418 &1 command responses received.

Explanation: Running in queued mode, &1 command responses were received from the remote command server.
User action: None.

AMQ8419 The Queue is already in the DCE cell.

Explanation: The Queue is already in the cell, that is, its SCOPE attribute is already CELL.
User action: None.

AMQ8420 Channel Status not found.

Explanation: No status was found for the specified channel(s).
User action: None.

AMQ8421 A required keyword was not specified.

Explanation: A keyword required in this command was not specified.
User action: None.

AMQ8422 MQSC found the following response to a previous command on the reply q :-

Explanation: MQSC found additional command responses on the reply q. They will follow this message.
User action: None.

AMQ8423 Cell Directory not available.

Explanation: The DCE cell directory is not available, so the requested operation has failed.
User action: None.

AMQ8424 Error detected in a name keyword.

Explanation: A keyword in an MQSC command contained a name string which was not valid. This may be because it contained characters which are not accepted in MQ names. Typical keywords which can produce this error are QLOCAL (and the other q types), CHANNEL, XMITQ, INITQ, MCANAME etc.
User action: None.

AMQ8425 Attribute value error .
Explanation: A keyword in an MQSC command contained a value that was not valid.
User action: None.

AMQ8426 Valid MQSC commands are:
Explanation: The text shows valid MQSC commands.
User action: None.

AMQ8427 Valid syntax for the MQSC command:
Explanation: The text shown is the valid syntax for the MQSC command.
User action: None.

AMQ8428 TYPE Keyword has already been specified.
Explanation: The TYPE has already been specified after the DISPLAY verb, for example DISPLAY QUEUE(*) type(QLOCAL) type(QALIAS).
User action: Delete the second TYPE keyword and run the command again.

AMQ8430 Remote queue manager name is unknown.
Explanation: The Remote queue manager name is not known to this queue manager. Check that
User action: Create a transmission queue of the same name as the remote queue manager if one does not exist.

AMQ8431 Transmission queue does not exist
Explanation: The transmission queue does not exist on this queue manager.
User action: None.

AMQ8432 You are not allowed to set both the REPOS and REPOSNL fields.
Explanation: An attempt to set both the REPOS and REPOSNL fields has been made. Only one of these fields can have a value other than blank. Both of the fields may be blank.
User action: None.

AMQ8433 You are not allowed to set both the CLUSTER and CLUSNL fields.
Explanation: An attempt to set both the CLUSTER and CLUSNL fields has been made. Only one of these fields can have a value other than blank. Both of the fields may be blank.
User action: None.

AMQ8434 The repository is unavailable.
Explanation: The repository is unavailable and the data cannot be accessed. Stop and restart the queue manager.
User action: None.

AMQ8441 Display Cluster Queue Manager details.
Explanation: The MQSC DISPLAY CLUSQMG command completed successfully, and details follow this message.
User action: None.

AMQ8442 You are not allowed to set USAGE to XMITQ with either the CLUSTER or CLUSNL fields set.

Explanation: An attempt has been made to set USAGE to XMITQ when the CLUSTER or CLUSNL field has a value. Change the value of USAGE, or the CLUSTER or CLUSNL fields, and try the command again.
User action: None.

AMQ8498 Starting MQSeries Commands.
Explanation: The MQSC script contains &1 commands.
User action: None.

AMQ8499 Usage: runmqsc [-e] [-v] [-w WaitTime [-x]] QMgrName
Explanation: None.
User action: None.

AMQ8500 MQSeries Display MQ Files
Explanation:
User action:

AMQ8501 Common services initialization failed with return code &1.
Explanation: A request by the command server to initialize common services failed with return code &1.
User action: None.

AMQ8502 Connect shared memory failed with return code &1.
Explanation: A request by the command server to connect shared memory failed with return code &1.
User action: None.

AMQ8503 Post event semaphore failed with return code &1.
Explanation: A request by the command server to post an event semaphore failed with return code &1.
User action: None.

AMQ8504 Command server MQINQ failed with reason code &1.
Explanation: An MQINQ request by the command server, for the MQSeries queue &3, failed with reason code &1.
User action: None.

AMQ8505 Reallocate memory failed with return code &1.
Explanation: A request by the command server to reallocate memory failed with return code &1.
User action: None.

AMQ8506 Command server MQGET failed with reason code &1.
Explanation: An MQGET request by the command server, for the MQSeries queue &3, failed with reason code &1.
User action: None.

AMQ8507 Command server MQPUT1 request for an undelivered message failed with reason code &1.

Explanation: An attempt by the command server to put a message to the dead-letter queue, using MQPUT1, failed with reason code &1. The MQDLH reason code was &2.

User action: None.

AMQ8508 Queue Manager Delete Object List failed with return code &1.

Explanation: A request by the command server to delete a queue manager object list failed with return code &1.

User action: None.

AMQ8509 Command server MQCLOSE reply-to queue failed with reason code &1.

Explanation: An MQCLOSE request by the command server for the reply-to queue failed with reason code &1.

User action: None.

AMQ8510 Command server queue is open, try again later.

AMQ8511 Usage: strmqcsv [QMGrName]

AMQ8512 Usage: endmqcsv [-c | -i] QMGrName

AMQ8513 Usage: dspmqcsv [QMGrName]

AMQ8514 No response received after &1 seconds.

Explanation: The command server has not reported the status of running, to the start request, before the timeout of &1 seconds was reached.

User action: None.

AMQ8550 Display namelist details.

Explanation: The MQSC DISPLAY NAMELIST command completed successfully, and details follow this message.

User action: None.

AMQ8551 MQSeries namelist changed.

Explanation: MQSeries namelist &5 changed.

User action: None.

AMQ8552 MQSeries namelist created.

Explanation: MQSeries namelist &5 created.

User action: None.

AMQ8553 MQSeries namelist deleted.

Explanation: MQSeries namelist &5 deleted.

User action: None.

AMQ8554 Parameter Limit Error.

Explanation: The count was less than zero, or greater than the maximum value for that keyword.

User action: None.

AMQ8555 String List String Length Error.

Explanation: A string in a string list assigned to an MQSC keyword is longer than the maximum permitted for that keyword.

User action: None.

AMQ8556 Resume Qmgr accepted.

Explanation: Resume Qmgr Cluster &5 has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that this queue manager is now back in the cluster.

User action: None.

AMQ8557 Suspend Qmgr accepted.

Explanation: Suspend Qmgr Cluster &5 has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that this queue manager is leaving the cluster.

User action: None.

AMQ8558 Refresh Cluster accepted.

Explanation: Refresh Cluster &5 has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that the cluster needs refreshing.

User action: None.

AMQ8559 Reset Cluster accepted.

Explanation: Reset Cluster &5 has been accepted for processing. The command will be sent to the Repository which will process the command and notify all other repositories that the cluster needs resetting.

User action: None.

AMQ8601 MQSeries trigger monitor started.

Explanation: The MQSeries trigger monitor has been started.

User action: None.

AMQ8602 MQSeries trigger monitor ended.

Explanation: The MQSeries trigger monitor has ended.

User action: None.

AMQ8603 Usage: runmqtrm [-m QMGrName] [-q InitQ]

Explanation: None.

User action: None.

AMQ8604 Use of MQSeries trigger monitor not authorized.

Explanation: The MQSeries trigger monitor cannot be run due to lack of authority to the requested queue manager or initiation queue.

User action: Obtain the necessary authority from your security officer or MQSeries administrator. Then try the command again.

AMQ8605 Queue manager not available to the MQSeries trigger monitor

Explanation: The queue manager specified for the trigger monitor does not exist, or is not active.

User action: Check that you named the correct queue manager. Ask your systems administrator to start it, if it is not active. Then try the command again.

AMQ8606 Insufficient storage available for the MQSeries trigger monitor.

Explanation: There was insufficient storage available for the MQSeries trigger monitor to run.
User action: Free some storage and then try the command again.

AMQ8607 MQSeries trigger monitor connection failed.

Explanation: The trigger monitor's connection to the requested queue manager failed because of MQI reason code &1 from MQCONN.
User action: Consult your systems administrator about the state of the queue manager.

AMQ8608 MQSeries trigger monitor connection broken.

Explanation: The connection to the queue manager failed while the trigger monitor was running. This may be caused by an endmqm command being issued by another user, or by an MQSeries queue manager error.
User action: Consult your systems administrator about the state of the queue manager.

AMQ8609 Initiation queue missing or wrong type

Explanation: The named initiation queue could not be found; or the queue type is not correct for an initiation queue.
User action: Check that the named queue exists, and is a local queue, or that the named queue is an alias for a local queue which exists.

AMQ8610 Initiation queue in use

Explanation: The MQSeries trigger monitor could not open the initiation queue because the queue is open for exclusive use by another application.
User action: Wait until the queue is no longer in use, and try the command again.

AMQ8611 Initiation queue could not be opened.

Explanation: The MQSeries trigger monitor could not open the initiation queue; reason code &1 was returned from MQOPEN.
User action: Consult your systems administrator.

AMQ8612 Waiting for a trigger message

Explanation: The MQSeries trigger monitor is waiting for a message to arrive on the initiation queue.
User action: None.

AMQ8613 Initiation queue changed or deleted

Explanation: The MQSeries trigger monitor is unable to continue because the initiation queue has been deleted or changed since it was opened.
User action: Retry the command.

AMQ8614 Initiation queue not enabled for input.

Explanation: The MQSeries trigger monitor cannot read from the initiation queue because input is not enabled.
User action: Ask your systems administrator to enable the queue for input.

AMQ8615 MQSeries trigger monitor failed to get message.

Explanation: The MQSeries trigger monitor failed because of MQI reason code &1 from MQGET.
User action: Consult your systems administrator.

AMQ8616 End of application trigger.

Explanation: The action to trigger an application has been completed.
User action: None.

AMQ8617 Not a valid trigger message.

Explanation: The MQSeries trigger monitor received a message that is not recognized as
User action: Consult your systems administrator.

AMQ8618 Error starting triggered application.

Explanation: An error was detected when trying to start the application identified in a trigger message.
User action: Check that the application the trigger monitor was trying to start is available.

AMQ8619 Application type &1 not supported.

Explanation: A trigger message was received which specifies application type &1; the trigger monitor does not support this type.
User action: Use an alternative trigger monitor for this initiation queue.

AMQ8620 Trigger message with warning &1

Explanation: The trigger monitor received a message with a warning. For example, it may have been truncated or it could not be converted to the trigger monitor's data representation. The reason code for the warning is &1.
User action: None.

AMQ8621 Usage: runmqmtmc [-m QMgrName] [-q InitQ]

Explanation: None.
User action: None.

AMQ8622 Usage: CICS-Transaction-Name [MQTMC2 structure]

Explanation: None.
User action: None.

AMQ8701 Usage: rcdmqimg [-z] [-m QMgrName] -t ObjType [GenericObjName]

Explanation: None.
User action: None.

AMQ8702 Usage: rcrmobj [-z] [-m QMgrName] -t ObjType [GenericObjName]

Explanation: None.
User action: None.

AMQ8703 Usage: dspmqfls [-m QMgrName] [-t ObjType] GenericObjName

Explanation: None.
User action: None.

AMQ8708 Dead-letter queue handler started to process INPUTQ(&3).

Explanation: The dead-letter queue handler (runmqdlq) has been started and has parsed the input file without detecting any errors and is about to start processing the queue identified in the message.

User action: None.

AMQ8709 Dead-letter queue handler ending.

Explanation: The dead-letter queue handler (runmqdlq) is ending because the WAIT interval has expired and there are no messages on the dead-letter queue, or because the queue manager is shutting down, or because the dead-letter queue handler has detected an error. If the dead-letter queue handler has detected an error, an earlier message will have identified the error.

User action: None.

AMQ8710 Usage: runmqdlq [QName[QMGrName]].

Explanation: Syntax for the usage of runmqdlq.

User action: None.

AMQ8721 Dead-letter queue message not prefixed by a valid MQDLH.

Explanation: The dead-letter queue handler (runmqdlq) retrieved a message from the nominated dead-letter queue, but the message was not prefixed by a recognizable MQDLH. This typically occurs because an application is writing directly to the dead-letter queue but is not prefixing messages with a valid MQDLH. The message is left on the dead-letter queue and the dead-letter queue handler continues to process the dead-letter queue. Each time the dead-letter queue handler repositions itself to a position before this message to process messages that could not be processed on a previous scan it will reprocess the failing message and will consequently re-issue this message.

User action: Remove the invalid message from the dead-letter queue. Do not write messages to the dead-letter queue unless they have been prefixed by a valid MQDLH. If you require a dead-letter queue handler that can process messages not prefixed by a valid MQDLH, you must change the sample program called amqsdq to cater for your needs.

AMQ8722 Dead-letter queue handler unable to put message: Rule &1 Reason &2.

Explanation: This message is produced by the dead-letter queue handler when it is requested to redirect a message to another queue but is unable to do so. If the reason that the redirect fails is the same as the reason the message was put to the dead-letter queue then it is assumed that no new error has occurred and no message is produced. The retry count for the message will be incremented and the dead-letter queue handler will continue.

User action: Investigate why the dead-letter queue handler was unable to put the message to the dead-letter queue. The line number of the rule used to determine the action for the message should be used to help identify to which queue the dead-letter queue handler attempted to PUT the message.

AMQ8741 Unable to connect to queue manager(&3) : CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not connect to the requested queue manager. This message is typically issued when the requested queue manager has not been started or is quiescing, or if the process does not have sufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8742 Unable to open queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the queue manager object. This message is typically issued because of a resource shortage or because the process does not have sufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8743 Unable to inquire on queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not inquire on the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8744 Unable to close queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the queue manager. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8745 Unable to open dead-letter queue(&3) for browse: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the dead-letter queue for browsing. This message is typically issued because another process has opened the dead-letter queue for exclusive access, or because an invalid dead-letter queue name was specified. Other possible reasons include resource shortages or insufficient authority. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8746 Unable to close dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the dead-letter queue. This message is typically issued because of a resource shortage or because the queue manager is ending. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8747 Integer parameter(&2) outside permissible range for &3 on line &1.

Explanation: An integer supplied as input to the dead-letter handler was outside of the valid range of values for a particular keyword.

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8748 Unable to get message from dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue. This message is typically issued because of the queue manager ending, a resource problem, or another process having deleted the dead-letter queue. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8749 Unable to commit/backout action on dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) was unable to commit or backout an update to the dead-letter queue. This message is typically issued because of the queue manager ending, or because of a resource shortage. If the queue manager has ended, the update to the dead-letter queue (and any associated updates) will be backed out when the queue manager restarts. If the problem was due to a resource problem then the updates will be backed out when the dead-letter queue handler terminates. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Take appropriate action based upon the completion code and reason.

AMQ8750 No valid input provided to runmqdlq.

Explanation: Either no input was provided to runmqdlq, or the input to runmqdlq contained no valid message templates. If input was provided to runmqdlq but was found to be invalid, earlier messages will have been produced explaining the cause of the error. The dead-letter queue handler will end.

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8751 Unable to obtain private storage.

Explanation: The dead-letter queue handler (runmqdlq) was unable to obtain private storage. This problem would typically arise as a result of some more global problem. For example if there is a persistent problem that is causing messages to be written to the DLQ and the same problem (for example queue full) is preventing the dead-letter queue handler from taking the requested action with the message, it is necessary for the dead-letter queue handler to maintain a large amount of state data to remember the retry counts associated with each message, or if the dead-letter queue contains a large number of messages and the rules table has directed the dead-letter queue handler to ignore the messages.

User action: Investigate if some more global problem exists, and if the dead-letter queue contains a large number of messages. If the problem persists contact your support center.

AMQ8752 Parameter(&3) exceeds maximum length on line &1.

Explanation:

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8753 Duplicate parameter(&3) found on line &1.

Explanation: Two or more parameters of the same type were supplied on a single input line to the dead-letter queue handler.

User action: Correct the input and restart the dead-letter queue handler.

AMQ8756 Error detected releasing private storage.

Explanation: The dead-letter queue handler (runmqdlq) was informed of an error while attempting to release an area of private storage. The dead-letter queue handler ends.

User action: This message should be preceded by a message or FFST information from the internal routine that detected the error. Take the action associated with the earlier error information.

AMQ8757 Integer parameter(&3) outside permissible range on line &1.

Explanation: An integer supplied as input to the dead-letter handler was outside of the valid range of integers supported by the dead-letter queue handler.

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8758 &1 errors detected in input to runmqdlq.

Explanation: One or more errors have been detected in the input to the dead-letter queue handler (runmqdlq). Error messages will have been generated for each of these errors. The dead-letter queue handler ends.

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8759 Invalid combination of parameters to dead-letter queue handler on line &1.

Explanation: An invalid combination of input parameters has been supplied to the dead-letter queue handler. Possible causes are: no ACTION specified, ACTION(FWD) but no FWDQ specified, HEADER(YES|NO) specified without ACTION(FWD).

User action: Correct the input data and restart the dead-letter queue handler.

AMQ8760 Unexpected failure while initializing process: Reason = &1.

Explanation: The dead-letter queue handler (runmqdlq) could not perform basic initialization required to use MQ services because of an unforeseen error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8761 Unexpected failure while connecting to queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not connect to the requested queue manager because of an unforeseen error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8762 Unexpected error while attempting to open queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8763 Unexpected error while inquiring on queue manager: CompCode = &1 Reason = &2.

Explanation: The dead letter queue handler (runmqdlq) could not inquire on the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8764 Unexpected error while attempting to close queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the queue manager because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the

generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8765 Unexpected failure while opening dead-letter queue for browse: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not open the dead-letter queue for browsing because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8766 Unexpected error while closing dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not close the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8767 Unexpected error while getting message from dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) could not get the next message from the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8768 Unexpected error committing/backing out action on dead-letter queue: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) was unable to either commit or backout an update to the dead-letter queue because of an unforeseen error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8769 Unable to disconnect from queue manager: CompCode = &1 Reason = &2.

Explanation: The dead-letter queue handler (runmqdlq) was unable to disconnect from the queue manager because of an unexpected error. The completion code and the reason can be used to identify the error. The dead-letter queue handler ends.

User action: Use the standard facilities supplied with your system to record the problem identifier and to save the generated output files. Contact your support center. Do not discard these files until the problem has been resolved.

AMQ8880 Storage class error

Explanation: An error occurred when attempting to access a storage class.

User action:

AMQ8899 Before using NetBIOS, you need to define a Local Name in this system.

Explanation: This can be done either 1. - By setting the MQNAME environment variable or 2. - By setting the LOCALNAME parameter in the NetBIOS: stanza of configuration data

NetBIOS:

LocalName=xxxxxx

(see the books MQSeries Intercommunication, and MQSeries Clients for details)

To continue with this verification you MUST update the configuration data for this qmgr

This local name must be different from the listener name.

User action: None.

AMQ9000-AMQ9999 Remote messages

Reading variables in the message

Some messages display text or numbers that vary according to the circumstances giving rise to the message; these are known as *message variables*. The message variables are indicated in this book by the use of the '&' symbol and a number: &1, &2, and so on.

In some cases a message may have variables in the Explanation or User action. Find the values of the message variables by looking in the error log. The complete message, including the Explanation and the User action, is recorded there.

Note: Always look at the whole message as shown in this book, including the Explanation and the User action before taking any action. If there are any message variables (&1, &2 ...) in the Explanation or User action, look in the error log to find the values.

AMQ9001 Channel program ended normally.

Explanation: Channel program '&3' ended normally.
User action: None.

AMQ9002 Channel program started.

Explanation: Channel program '&3' started.
User action: None.

AMQ9181 The response set by the exit is not valid.

Explanation: The user exit '&3' returned a response code '&1' that is not valid in the ExitResponse field of the channel exit parameters (MQCXP). Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set a response code that is not valid.

AMQ9182 The secondary response set by the exit is not valid.

Explanation: The user exit '&3' returned a secondary response code '&1' in the ExitResponse2 field of the channel exit parameters (MQCXP) that is not valid. Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set a secondary response code that is not valid.

AMQ9184 The exit buffer address set by the exit is not valid.

Explanation: The user exit '&3' returned an address '&1' for the exit buffer that is not valid, when the secondary response code in the ExitResponse2 field of the channel exit parameters (MQCXP) is set to MQXR2_USE_EXIT_BUFFER. Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set an exit buffer address that is not valid. The most likely cause is the failure to set a value, so that the value is 0.

AMQ9189 The data length set by the exit is not valid.

Explanation: The user exit '&3' returned a data length value '&1' that was not greater than zero. Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set a data length that is not valid.

AMQ9190 Channel stopping because of an error in the exit.

Explanation: The user exit '&3', invoked for channel '&4' with id '&1' and reason '&2', returned values that are not valid, as reported in the preceding messages. The channel stops.
User action: Investigate why the user exit program set values that are not valid.

AMQ9196 Data length is larger than the agent buffer length.

Explanation: The data length '&1' set by exit '&3' is larger than the agent buffer length. The user exit returned data in the supplied agent buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set a data length that is not valid.

AMQ9197 Data length is larger than the exit buffer length.

Explanation: The data length '&1' set by exit '&3' is larger than the exit buffer length. The user exit returned data in the supplied exit buffer, but the length specified is greater than the length of the buffer. Message AMQ9190 is issued giving more details, and the channel stops.
User action: Investigate why the user exit program set a data length that is not valid.

AMQ9201 Allocate failed to host '&3'.

Explanation: The attempt to allocate a conversation using &4 to host &3 was not successful.
User action: The error may be due to an incorrect entry in the &4 parameters contained in the channel definition to host &3. Correct the error and try again. If the error persists, record the error values and contact your systems administrator. The return code from the &4&5 call was &1 (X'&2'). It may be possible that the listening program at host &3 is not running. If this is the case, perform the relevant operations to start the listening program for protocol &4 and try again.

AMQ9202 Remote host '&3' not available, retry later.

Explanation: The attempt to allocate a conversation using &4 to host '&3' was not successful. However the error may be a transitory one and it may be possible to successfully allocate a &4 conversation later.

User action: Try the connection again later. If the failure persists, record the error values and contact your systems administrator. The return code from &4 is &1 (X'&2'). The reason for the failure may be that this host cannot reach the destination host. It may also be possible that the listening program at host '&3' was not running. If this is the case, perform the relevant operations to start the &4 listening program, and try again.

AMQ9203 A configuration error for &4 occurred.

Explanation: Error in configuration for communications to host &3. Allocation of a &4 conversation to host &3 was not possible.

User action: The configuration error may be one of the following:
 transmission parameters (Mode, or TP Name) is incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host &3. The TP name on &3 should be defined.
 session has not been established. Contact your systems administrator.
 specified is incorrect. Correct the error and try again.
 specified cannot be resolved to a network address. The host name may not be in the nameserver.

The return code from the &4&5 call was &1 (X'&2').

Record the error values and tell the system administrator.

AMQ9204 Connection to host &3 rejected.

Explanation: Connection to host &3 over &4 was rejected.

User action: The remote system may not be configured to allow connections from this host. Check the &4 listener program has been started on host &3.

If the conversation uses LU 6.2, it is possible that either the User ID or Password supplied to the remote host is incorrect.

If the conversation uses TCP/IP, it is possible that the remote host does not recognize the local host as a valid host.

The return code from the &4&5 call was &1 X('&2').

Record the error values and tell the systems administrator.

AMQ9205 The host name supplied is not valid.

Explanation: The supplied &4 host name '&3' could not be resolved into a network address. Either the name server does not contain the host, or the name server was not available.

User action: Check the &4 configuration on your host.

AMQ9206 Error sending data to host &3.

Explanation: An error occurred sending data over &4 to &3. This may be due to a communications failure.

User action: The return code from the &4&5 call was &1 X('&2'). Record these values and tell your systems administrator.

AMQ9207 The data received from host '&3' is not valid.

Explanation: Incorrect data format received from host '&3' over &4. It may be that an unknown host is attempting to send data. An FFST file has been generated containing the invalid data received.

User action: Tell the systems administrator.

AMQ9208 Error on receive from host &3.

Explanation: An error occurred receiving data from &3 over &4. This may be due to a communications failure.

User action: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator.

AMQ9209 Connection to host '&3' closed.

Explanation: An error occurred receiving data from '&3' over &4. The connection to the remote host has unexpectedly terminated.

User action: Tell the systems administrator.

AMQ9210 Remote attachment failed.

Explanation: There was an incoming attachment from a remote host, but the local host could not complete the bind.

User action: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator who should check the &4 configuration.

AMQ9211 Error allocating storage.

Explanation: The program was unable to obtain enough storage.

User action: Stop some programs which are using storage and retry the operation. If the problem persists contact your systems administrator.

AMQ9212 A TCP/IP socket could not be allocated.

Explanation: A TCP/IP socket could not be created, possibly because of a storage problem.

User action: The return code from the &4&5 call was &1 (X'&2'). Try the program again. If the failure persists, record the error values and tell the systems administrator.

AMQ9213 A communications error for &4 occurred.

Explanation: An unexpected error occurred in communications.

User action: The return code from the &4&5 call was &1 (X'&2'). Record these values and tell the systems administrator.

AMQ9214 Attempt to use an unsupported communications protocol.

Explanation: An attempt was made to use an unsupported communications protocol type &2.

User action: Check the channel definition file. It may be that the communications protocol entered is not a currently supported one.

AMQ9215 Communications subsystem unavailable.

Explanation: An attempt was made to use the communications subsystem, but it has not been started.

User action: Start the communications subsystem, and rerun the program.

AMQ9216 Usage: &3 [-m QMgrName] [-n TPName]

Explanation: Values passed to the responder channel program are not valid. The parameters that are not valid are as follows :-

&4

The -n parameter is not valid on Unix systems.

The responder channel program exits.

User action: Correct the parameters passed to the channel program and retry the operation.

AMQ9217 The TCP/IP listener program could not be started.

Explanation: An attempt was made to start a new instance of the listener program, but the program was rejected.

User action: The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the listener program later).

AMQ9218 The TCP/IP listener program could not bind to port number &1.

Explanation: An attempt to bind the TCP/IP socket to the listener port was unsuccessful.

User action: The failure could be due to another program using the same port number. Record the return code &2 from the bind and tell the systems administrator.

AMQ9219 The TCP/IP listener program could not create a new connection for the incoming conversation.

Explanation: An attempt was made to create a new socket because an attach request was received, but an error occurred.

User action: The failure may be transitory, try again later. If the problem persists, record the return code &1 and tell the systems administrator. It may be necessary to free some jobs, or restart the communications system.

AMQ9220 The &4 communications program could not be loaded.

Explanation: The attempt to load the &4 library or procedure '&3' failed with error code &1.

User action: Either the library must be installed on the system or the environment changed to allow the program to locate it.

AMQ9221 Unrecognized protocol was specified.

Explanation: The specified value of '&3' was not recognized as one of the protocols supported.

User action: Correct the parameter and retry the operation.

AMQ9222 Cannot find the configuration file.

Explanation: The configuration file '&3' cannot be found. This file contains default definitions for communication parameters. Default values will be used.

User action: None.

AMQ9223 Enter a protocol type.

Explanation: The operation you are performing requires that you enter the type of protocol.

User action: Add the protocol parameter and retry the operation.

AMQ9224 Unexpected token detected.

Explanation: Keyword '&3' was read when a keyword was expected.

User action: Correct the configuration data and retry the operation.

AMQ9225 File syntax error.

Explanation: A syntax error was detected while processing the configuration data.

User action: Correct the problem and retry the operation.

AMQ9226 Usage: &3 [-m QMgrName] -t (TCP | LU62 | NETBIOS | SPX) [ProtocolOptions]

Explanation: Values passed to the listener program were invalid.

[-m QMgrName] (-t TCP [-p Port] |

Default values will be used for parameters not supplied.

User action: Correct the parameters passed to the listener program and retry the operation.

AMQ9227 &3 local host name not provided.

Explanation:

User action: Add a local name to the configuration file and retry the operation.

AMQ9228 The &4 responder program could not be started.

Explanation: An attempt was made to start an instance of the responder program, but the program was rejected.

User action: The failure could be because either the subsystem has not been started (in this case you should start the subsystem), or there are too many programs waiting (in this case you should try to start the responder program later). The &5 reason code was &1.

AMQ9229 The application has been ended.

Explanation: You have issued a request to end the application.

User action: None.

AMQ9230 An unexpected &4 event occurred.

Explanation: During the processing of network events, an unexpected event &1 occurred.

User action: None.

AMQ9231 The supplied parameter is not valid.

Explanation: The value of the &4 &5 parameter has the value '&3'. This value has either not been specified or has been specified incorrectly.

User action: Check value of the &5 parameter and correct it if necessary. If the fault persists, record the return code (&1,&2) and &4 and tell the systems administrator.

AMQ9232 No &3 specified

Explanation: The operation requires the specification of the &3 field.

User action: Specify the &3 and retry the operation.

AMQ9233 Error creating Listener thread for &3.

Explanation: The process attempted to create a new thread for an incoming connection.

User action: Contact the systems administrator.

AMQ9235 The supplied Local LU was invalid.

Explanation: The &4 Local LU name '&3' was invalid.

User action: Either the Local LU name was entered incorrectly or it was not in the &4 communications configuration. Correct the error and try again.

AMQ9236 The supplied Partner LU was invalid.

Explanation: The &4 Partner LU name '&3' was invalid.

User action: Either the Partner LU name was entered incorrectly or it was not in the &4 communications configuration. Correct the error and try again.

AMQ9237 A configuration error for &4 occurred.

Explanation: Allocation of a &4 conversation to host '&3' was not possible. The configuration error may be one of the following:

1. It may be that one of the transmission parameters (Mode, or TP Name) was incorrect. Correct the error and try again. The mode name should be the same as the mode defined on host &3. The TP name on &3 should be defined.

2. It may be that an LU 6.2 session has not been established. Contact your systems administrator.

The return code from &4 is &1 with associated &5 &2.

User action: Record the error values and tell the system administrator.

AMQ9238 A communications error for &4 occurred.

Explanation: An unexpected error occurred in communications.

User action: The return code from the &4&3 call was &1 with associated &5 &2.

AMQ9239 Usage: &3 [-m QMgrName] -n TpName -g Gateway-name

Explanation: Values passed to the listener program were invalid. The parameter string passed to this program is as follows, default values being used for parameters not supplied: [-m QMgrName] -n TpName -g Gateway-name

User action: Correct the parameters passed to the listener program and retry the operation.

AMQ9240 An SPX socket was already in use.

Explanation: The listener received return code &1 when attempting to open socket &2.

User action: The specified socket is already in use by another process. To use another socket, specify a different socket on the command line to the runmqslr command, or update the default in the configuration data.

AMQ9241 SPX is not available.

Explanation: MQSeries received return code &1 when attempting to start SPX communications.

User action: Ensure that IPX/SPX support is installed on the machine and that it is started before trying to start an MQSeries SPX channel.

AMQ9242 SPX resource problem.

Explanation: MQSeries received return code &1 when attempting to start SPX communications, indicating a resource problem.

User action: Ensure that sufficient IPX/SPX resources are available before commencing MQSeries communications over IPX/SPX.

AMQ9243 The queue manager &3 does not exist.

Explanation: You tried to perform an action against a queue manager that does not exist. You may have specified the wrong queue manager name.

User action: If you specified the wrong name, correct the name and submit the command again. If the queue manager does not exist, create the queue manager and submit the command again.

AMQ9245 Unable to obtain account details for channel MCA user ID.

Explanation: MQSeries was unable to obtain the account details for MCA user ID '&3'. This user ID was the MCA user ID for channel '&4' on queue manager '&5' and may have been defined in the channel definition, or supplied either by a channel exit or by a client.

User action: Ensure that the user ID is correct and that it is defined on the Windows NT local system, the local domain or on a trusted domain. For a domain user ID, ensure that all necessary domain controllers are available.

AMQ9401 Channel '&3' autodefined.

Explanation: Channel '&3' which did not previously exist has been autodefined.

User action: None.

AMQ9402 Autodefinition exit for Channel '&3' failed to load.

Explanation: Autodefinition of Channel '&3' failed because '&4' would not load.

User action: Ensure that the user exit is specified correctly in the queue manager definition, and that the user exit program is correct and available.

AMQ9403 Autodefinition of Channel '&3' suppressed by user exit.

Explanation: Autodefinition exit '&4' for Channel '&3' returned a failure code.

User action: None.

AMQ9410 MQSeries repository manager started.

Explanation: The MQSeries repository manager has been started.

User action: None.

AMQ9411 MQSeries repository manager ended.

Explanation: The MQSeries repository manager has ended.

User action: None.

AMQ9412 Repository command received for &3, sender &4

Explanation: The repository manager received a command intended for some other queue manager, whose identifier is &3. The command was sent by the queue manager with identifier &4.

User action: Check the channel and cluster definitions of the sending queue manager.

AMQ9413 Repository command format error, command code &1

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9415 Repository command unexpected, command code &1, cluster object &3, sender &4

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9416 Repository command processing error, RC=&2, command code &1, cluster object &3, sender &4

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9419 No cluster-receiver channels for cluster &3

Explanation: The repository manager has received information about a cluster for which no cluster-receiver channels are known.

User action: Define cluster-receiver channels for the cluster on the local queue manager.

AMQ9420 No repositories for cluster &3

Explanation: The queue manager has received information about a cluster for which no repositories are known.

User action: 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.

AMQ9422 Repository manager error, RC=&1

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9425 Repository command merge error, command code &1, cluster object &3, sender &4

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' section of the System Administration manual and contact your IBM support center.

AMQ9426 Repository command recipient &3 unknown, channel &4, command code &1

Explanation: The repository manager tried to send a command to another queue manager using channel &4. The recipient queue manager, whose identifier is &3, could not be found.

User action: Check the channel and cluster definitions of the sending and receiving queue managers.

AMQ9427 CLUSSDR channel does not point to a repository queue manager.

Explanation: A CLUSSDR channel must point to a queue manager that hosts repositories for all clusters of which the channel is a member. In addition, the CLUSRCVR for the channel must be a member of all the same clusters as the CLUSSDR channel. The queue manager pointed to by CLUSSDR channel &3 does not meet these criteria for cluster &4. The remote queue manager has a QMID of &5.

User action: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a queue manager that hosts a repository for the cluster, and that the CLUSRCVR for the channel is a member of the cluster.

AMQ9428 Unexpected publication of a cluster queue object received.

Explanation: The local queue manager has received a publication of a cluster queue object from a remote queue manager on cluster &3. The local queue manager discards the request because it does not host a repository for cluster &3 and has not subscribed to the published object. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User action: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9429 Unexpected publication of a cluster queue deletion received.

Explanation: The local queue manager has received a publication of a cluster queue deletion from a remote queue manager on cluster &3. The local queue manager discards the request because it does not host a repository for cluster &3 and has not subscribed to the published object. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User action: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9430 Unexpected cluster queue manager publication received.

Explanation: The local queue manager has received a cluster queue manager publication on cluster &3. The local queue manager should not have received the publication because it does not host a repository for cluster &3, it has not subscribed to information concerning the published object, and the published object does not match any of its CLUSSDRs. The queue manager that sent the publication to the local queue manager has QMID &4 (note that this is not necessarily the queue manager which originated the publication). CLUSSDR channel &5 was used to send the publication.

User action: Check the CLUSSDR definition on the sending queue manager to ensure that it points to a repository queue manager for the cluster.

AMQ9431 Remote queue manager no longer hosts a repository for cluster

Explanation: The local queue manager has received a message from remote queue manager QMID &3 indicating that it no longer hosts a repository for cluster &4. CLUSSDR channel &5 is altered so that it can no longer be used to access queue manager &3 within cluster &4. If the local queue manager does not host a repository for cluster &4 the relevant subscriptions and publications are remade if possible.

User action: None.

AMQ9432 Query received by a non-repository queue manager

Explanation: The local queue manager has received a query from a remote queue manager on cluster &3. The local queue manager discards the query because it does not host a repository for cluster &3. The remote CLUSSDR channel used to access the local queue manager has a channel name of &4 and the remote queue manager has a QMID of &5.

User action: Check the definitions on the local and remote queue managers to ensure that the CLUSSDR channel points to a repository queue manager for the cluster.

AMQ9433 CLUSRCVR must be in the same cluster as its matching CLUSSDR.

Explanation: CLUSRCVR channel &3 is not defined as a member of cluster &4. The local queue manager has received a command that indicates that CLUSSDR channel &3 on the remote queue manager with QMID &5 is defined as a member of cluster &4.

User action: Alter the CLUSRCVR or CLUSSDR definitions for channel &3, so that they are both members of the same cluster.

AMQ9434 Unrecognized message on &3.

Explanation: The repository manager found a message on one of its queues having, either a format that could not be recognized, or that did not come from a queue manager or repository manager. The message was put on the dead-letter queue.

User action: Examine the message on the dead-letter queue to determine the originator of the message.

AMQ9435 Unable to put repository manager message, target &3, MQCC=&1, MQRC=&2.

Explanation: The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on another queue manager whose identifier is &3, but the MQPUT call was unsuccessful. Processing continues, but the repository information may be out of date.

User action: Refer to the Application Programming Reference manual for information about MQCC &1 and MQRC &2. 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 ensure that the repository information is up to date.

AMQ9436 Unable to put repository manager message, cluster &3, MQCC=&1, MQRC=&2.

Explanation: The repository manager tried to send a message to the SYSTEM.CLUSTER.COMMAND.QUEUE on a queue manager that has the full repository for the specified cluster, but the MQPUT call was unsuccessful. Processing continues, but repository information may be out of date.

User action: Refer to the Application Programming Reference manual for information about MQCC &1 and MQRC &2. 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 ensure that the repository information is up to date.

AMQ9437 Unable to commit repository changes.

Explanation: The repository manager tried to commit some updates to the repository but was unsuccessful. Processing continues, but repository information may be out of date.

User action: If this occurs when the repository manager is stopping, this message can be ignored, because the repository information will normally be updated automatically when the repository manager is restarted. If there is an isolated occurrence at other times, use the REFRESH CLUSTER command to bring the repository information up to date. If the problem persists, contact your IBM support center for assistance.

AMQ9439 Repository corruption: bad CLQMGR object for channel &3.

Explanation: An internal error has occurred.

User action: Collect the items listed in the 'Problem determination' chapter in the System Administration guide and contact your IBM support center.

AMQ9440 Reset Cluster(&3) Qmname(&4) command failed. Queue manager &5 is not a repository for cluster &3.

Explanation: To issue this command, queue manager &5 must be a repository for cluster &3. Alter the queue manager attributes Repos, or Reposnl, to include cluster &3 and retry the command.

User action: None.

AMQ9441 Reset Cluster(&3) Qmname(&4) command processed. &1 queue managers notified.

Explanation: The command has processed on this repository and &1 other queue managers have been sent notification.

User action: None.

AMQ9442 Refresh Cluster(&4) command processed. &1 objects were refreshed and &2 objects published.

Explanation: The Refresh Cluster(&4) command caused &1 objects to be refreshed and &2 objects to be republished.

User action: None.

AMQ9443 Suspend Qmgr Cluster(&4) command processed. &1 objects suspended.

Explanation: The Suspend Qmgr Cluster command completed. In the case of a name list the cluster name is the first name in the list.

User action: None.

AMQ9444 Resume Qmgr Cluster(&4) command processed. &1 objects resumed.

Explanation: The Resume Qmgr Cluster command completed. In the case of a name list the cluster name is the first name in the list.

User action: None.

AMQ9447 Unable to backout repository changes.

Explanation: Following an error, the repository manager tried to backout some updates to the repository, but was unsuccessful. The repository manager terminates.

User action: If the repository manager subsequently restarts successfully, this message can be ignored. If the repository manager does not restart, contact your IBM support center for assistance.

AMQ9448 Repository manager stopping because of errors. Restart in &1 seconds.

Explanation: A severe error, as reported in the preceding messages, occurred during repository manager processing. The repository manager was unable to continue and terminates. The repository manager will try to restart after the specified interval.

User action: Correct the problem reported in the preceding messages.

AMQ9449 Repository manager restarted.

Explanation: The repository manager restarted successfully following an error.

User action: None.

AMQ9450 Usage: &3 [-m QMgrName] -f OutputFile [-v OutputFileVersion]

Explanation: Values passed to the channel table writer program were invalid.

[-m QMgrName] -f OutputFile [-v OutputFileVersion]

Default values will be used for parameters not supplied.

User action: Correct the parameters passed to the channel table writer program and retry the operation.

AMQ9498 The MQCD structure supplied was not valid.

Explanation: The value of the &3 parameter has the value '&4'. This value is invalid for the operation requested.

User action: Change the parameter and retry the operation.

AMQ9499 An MQSeries listener will end shortly.

Explanation: One MQSeries listener detected in the system is scheduled for shutdown.

User action: None.

AMQ9500 No Repository storage

Explanation: An operation failed because there was no storage available in the repository. An attempt was made to allocate &1 bytes from &3.

User action: Reconfigure the Queue Manager to allocate a larger repository.

AMQ9501 Usage: &3 [-m QMgrName] -c ChIName.

Explanation: Values passed to the channel program are not valid. The parameter string passed to this program is as follows :- [-m QMgrName] -c ChIName Default values will be used for parameters not supplied.

User action: Correct the parameters passed to the Channel program and retry the operation.

AMQ9502 Type of channel not suitable for action requested.

Explanation: The operation requested cannot be performed on channel '&3'. Some operations are only valid for certain channel types. For example, you can only ping a channel from the end sending the message.

User action: Check whether the channel name is specified correctly. If it is check that the channel has been defined correctly.

AMQ9503 Channel negotiation failed.

Explanation: Channel '&3' between this machine and the remote machine could not be established due to a negotiation failure.

User action: Tell the systems administrator, who should attempt to identify the cause of the channel failure using problem determination techniques. For example, look for FFST files, and examine the error logs on the local and remote systems where there may be messages explaining the cause of failure. More information may be obtained by repeating the operation with tracing enabled.

AMQ9504 A protocol error was detected for channel '&3'.

Explanation: During communications with the remote queue manager, the channel program detected a protocol error. The failure type was &1 with associated data of &2.

User action: Contact the systems administrator who should examine the error logs to determine the cause of the failure.

AMQ9505 Channel sequence number wrap values are different.

Explanation: The sequence number wrap value for channel '&3' is &1, but the value specified at the remote location is &2. The two values must be the same before the channel can be started.

User action: Change either the local or remote channel definitions so that the values specified for the message sequence number wrap values are the same.

AMQ9506 Message receipt confirmation failed.

Explanation: Channel '&3' has ended because the remote queue manager did not accept the last batch of messages.

User action: The error log for the channel at the remote site will contain an explanation of the failure. Contact the remote Systems Administrator to resolve the problem.

AMQ9507 Channel '&3' is currently in-doubt.

Explanation: The requested operation cannot complete because the channel is in-doubt with host '&4'.

User action: 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.

AMQ9508 Program cannot connect to the queue manager.

Explanation: The connection attempt to queue manager '&4' failed with reason code &1.

User action: Ensure that the queue manager is available and operational.

AMQ9509 Program cannot open queue manager object.

Explanation: The attempt to open either the queue or queue manager object '&4' on queue manager '&5' failed with reason code &1.

User action: Ensure that the queue is available and retry the operation.

AMQ9510 Messages cannot be retrieved from a queue.

Explanation: The attempt to get messages from queue '&4' on queue manager '&5' failed with reason code &1.

User action: If the reason code indicates a conversion problem, for example MQRC_SOURCE_CCSDID_ERROR, remove the message(s) from the queue. Otherwise, ensure that the required queue is available and operational.

AMQ9511 Messages cannot be put to a queue.

Explanation: The attempt to put messages to queue '&4' on queue manager '&5' failed with reason code &1.

User action: Ensure that the required queue is available and operational.

AMQ9512 Ping operation is not valid for channel '&3'.

Explanation: Ping may only be issued for SENDER or SERVER channel types.

User action: If the local channel is a receiver channel, you must issue the ping from the remote queue manager.

AMQ9513 Maximum number of channels reached.

Explanation: The maximum number of channels that can be in use simultaneously has been reached. The number of permitted channels is a configurable parameter in the queue manager configuration file.

User action: Wait for some of the operating channels to close. Retry the operation when some channels are available.

AMQ9514 Channel '&3' is in use.

Explanation: The requested operation failed because channel '&3' is currently active.

User action: Either end the channel manually, or wait for it to close, and retry the operation.

AMQ9515 Channel '&3' changed.

Explanation: The statistics shown are for the channel requested, but it is a new instance of the channel. The previous channel instance has ended.

User action: None.

AMQ9516 File error occurred.

Explanation: The filesystem returned error code &1 for file '&3'.

User action: Record the name of the file '&3' and tell the systems administrator, who should ensure that file '&3' is correct and available.

AMQ9517 File damaged.

Explanation: The program has detected damage to the contents of file '&3'.

User action: Record the values and tell the systems administrator who must restore a saved version of file '&3'. The return code was '&1' and the record length returned was '&2'.

AMQ9518 File '&3' not found.

Explanation: The program requires that the file '&3' is present and available.

User action: Record the name of the file and tell the systems administrator who must ensure that file '&3' is available to the program.

AMQ9519 Channel '&3' not found.

Explanation: The requested operation failed because the program could not find a definition of channel '&3'.

User action: Check that the name is specified correctly and the channel definition is available.

AMQ9520 Channel not defined remotely.

Explanation: There is no definition of channel '&3' at the remote location.

User action: Add an appropriate definition to the remote hosts list of defined channels and retry the operation.

AMQ9521 Host is not supported by this channel.

Explanation: The connection across channel '&5' was refused because the remote host '&4' did not match the host '&3' specified in the channel definition.

User action: Update the channel definition, or remove the explicit mention of the remote machine connection name.

AMQ9522 Error accessing the status table.

Explanation: The program could not access the channel status table.

User action:

AMQ9523 Remote host detected a protocol error.

Explanation: During communications through channel '&3', the remote queue manager channel program detected a protocol error. The failure type was &1 with associated data of &2.

User action: Tell the systems administrator, who should examine the error files to determine the cause of the failure.

AMQ9524 Remote queue manager unavailable.

Explanation: Channel '&3' cannot start because the remote queue manager is not currently available.

User action: Either start the remote queue manager, or retry the operation later.

AMQ9525 Remote queue manager is ending.

Explanation: Channel '&3' is closing because the remote queue manager is ending.

User action: None.

AMQ9526 Message sequence number error for channel '&3'.

Explanation: The local and remote queue managers do not agree on the next message sequence number. A message with sequence number &1 has been sent when sequence number &2 was expected.

User action: 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 situation cannot be resolved, the sequence number can be manually reset at the sending end of the channel using the RESET CHANNEL command.

AMQ9527 Cannot send message through channel '&3'.

Explanation: The channel has closed because the remote queue manager cannot receive a message.

User action: Contact the systems administrator who should examine the error files of the remote queue manager, to determine why the message cannot be received, and then restart the channel.

AMQ9528 User requested closure of channel '&3'.

Explanation: The channel is closing because of a request by the user.

User action: None.

AMQ9529 Target queue unknown on remote host.

Explanation: Communication using channel '&3' has ended because the target queue for a message is unknown at the remote host.

User action: Ensure that the remote host contains a correctly defined target queue, and restart the channel.

AMQ9530 Program could not inquire queue attributes.

Explanation: The attempt to inquire the attributes of queue '&4' on queue manager '&5' failed with reason code &1.

User action: Ensure that the queue is available and retry the operation.

AMQ9531 Transmission queue specification error.

Explanation: Queue '&4' identified as a transmission queue in the channel definition '&3' is not a transmission queue.

User action: Ensure that the queue name is specified correctly. If so, alter the queue usage parameter of the queue to that of a transmission queue.

AMQ9532 Program cannot set queue attributes.

Explanation: The attempt to set the attributes of queue '&4' on queue manager '&5' failed with reason code &1.

User action: Ensure that the queue is available and retry the operation.

AMQ9533 Channel '&3' is not currently active.

Explanation: The channel was not stopped because it was not currently active.

User action: None.

AMQ9534 Channel '&3' is currently not enabled.

Explanation: The channel program ended because the channel is currently not enabled.

User action: Issue the START CHANNEL command to re-enable the channel.

AMQ9535 User exit not valid.

Explanation: Channel program '&3' ended because user exit '&4' is not valid.

User action: Ensure that the user exit is specified correctly in the channel definition, and that the user exit program is correct and available.

AMQ9536 Channel ended by an exit.

Explanation: Channel program '&3' was ended by exit '&4'.

User action: None.

AMQ9537 Usage: &3 [-m QMgrName] [-q InitQ]

Explanation: Values passed to the Channel Initiator program are not valid. The parameters should be passed as follows: [-m QMgrName] [-q InitQ] Default values are used for parameters that are not supplied.

User action: Correct the parameters passed to the program and retry the operation.

AMQ9538 Commit control error.

Explanation: An error occurred when attempting to start commitment control. Either exception '&3' was received when querying commitment status, or commitment control could not be started.

User action: Refer to the error log for other messages pertaining to this problem.

AMQ9539 No channels available.

Explanation: The channel initiator program received a trigger message to start an MCA program to process queue '&3'. The program could not find a defined, available channel to start.

User action: Ensure that there is a defined channel, which is enabled, to process the transmission queue.

AMQ9540 Commit failed.

Explanation: The program ended because return code &1 was received when an attempt was made to commit change to the resource managers. The commit ID was '&3'.

User action: Tell the systems administrator.

AMQ9541 CCSID supplied for data conversion not supported.

Explanation: The program ended because, either the source CCSID '&1' or the target CCSID '&2' is not valid, or is not currently supported.

User action: Correct the CCSID that is not valid, or ensure that the requested CCSID can be supported.

AMQ9542 Queue manager is ending.

Explanation: The program will end because the queue manager is quiescing.

User action: None.

AMQ9543 Status table damaged.

Explanation: The channel status table has been damaged.
User action: End all running channels and issue a DISPLAY CHSTATUS command to see the status of the channels. Use the standard facilities supplied with your system to record the problem identifier, and to save the generated output files. Contact your IBM support center. Do not discard these files until the problem has been resolved.

AMQ9544 Messages not put to destination queue.

Explanation: During the processing of channel '&3' one or more messages could not be put to the destination queue and attempts were made to put them to a dead-letter queue. The location of the queue is &1, where 1 is the local dead-letter queue and 2 is the remote dead-letter queue.
User action: 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. Also look at previous error messages to see if the attempt to put messages to a dead-letter queue failed. The program identifier (PID) of the processing program was '&4'.

AMQ9545 Disconnect interval expired.

Explanation: Channel '&3' closed because no messages arrived on the transmission queue within the disconnect interval period.
User action: None.

AMQ9546 Error return code received.

Explanation: The program has ended because return code &1 was returned from an internal function.
User action: Correct the cause of the failure and retry the operation.

AMQ9547 Type of remote channel not suitable for action requested.

Explanation: The operation requested cannot be performed because channel '&3' on the remote machine is not of a suitable type. For example, if the local channel is defined as a sender the remote machine must define its channel as either a receiver or requester.
User action: Check that the channel name is specified correctly. If it is, check that the remote channel has been defined correctly.

AMQ9548 Message put to the 'dead-letter queue'.

Explanation: During processing a message has been put to the dead-letter queue.
User action: 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.

AMQ9549 Transmission Queue '&3' inhibited for MQGET.

Explanation: An MQGET failed because the transmission queue had been previously inhibited for MQGET.
User action: None.

AMQ9550 Channel program &3 cannot be stopped at this time.

Explanation: The channel program is currently busy and cannot be stopped at the moment.
User action: Issue the STOP CHANNEL command again at a later time.

AMQ9551 Protocol not supported by remote host

Explanation: The operation you are performing over Channel '&3' to the host at '&4' is not supported by the target host.
User action: Check that the connection name parameter is specified correctly and that the levels of the products in use are compatible.

AMQ9552 Security flow not received.

Explanation: During communications through channel '&3' the local security exit requested security data from the remote machine. The security data has not been received so the channel has been closed.
User action: Tell the systems administrator who should ensure that the security exit on the remote machine is defined correctly.

AMQ9553 The &3 function &4 is not supported.

Explanation: The &3 function &4 attempted is not currently supported on this platform.
User action: None.

AMQ9554 User not authorized.

Explanation: You are not authorized to perform the Channel operation.
User action: Tell the systems administrator who should ensure that the correct access permissions are available to you, and then retry the operation.

AMQ9555 File format error.

Explanation: The file '&3' does not have the expected format.
User action: Ensure that the file name is specified correctly.

AMQ9556 Channel synchronization file missing or damaged.

Explanation: The channel synchronization file '&3' is missing or does not correspond to the stored channel information for queue manager '&4'.
User action: Rebuild the synchronization file using the rcrmqobj command `rcrmqobj -t syncfile (-m q-mgr-name)`

AMQ9557 Queue Manager User ID initialization failed.

Explanation: The call to initialize the User ID failed with CompCode &1 and Reason &2.
User action: Correct the error and try again.

AMQ9558 Remote Channel is not currently available.

Explanation: The channel program ended because the channel '&3' is not currently available on the remote system. This could be because the channel is disabled or that the remote system does not have sufficient resources to run a further channel.
User action: Check the remote system to ensure that the channel is available to run, and retry the operation.

AMQ9560 Rebuild Synchronization File - program started

Explanation: Rebuilding the Synchronization file for Queue Manager '&3'.

User action: None.

AMQ9561 Rebuild Synchronization File - program completed normally

Explanation: Rebuild Synchronization File program completed normally.

User action: None.

AMQ9562 Synchronization file in use.

Explanation: The Synchronization file '&3' is in use and cannot be recreated.

User action: Stop any channel activity and retry the rcrmqobj command.

AMQ9563 Synchronization file cannot be deleted

Explanation: The filesystem returned error code &1 for file '&3'.

User action: Tell the systems administrator who should ensure that file '&3' is available and not in use.

AMQ9564 Synchronization File cannot be created

Explanation: The filesystem returned error code &1 for file '&3'.

User action: Tell the systems administrator.

AMQ9565 No dead-letter queue defined.

Explanation: The queue manager '&4' does not have a defined dead-letter queue.

User action: Either correct the problem that caused the program to try and write a message to the dead-letter queue or create a dead-letter queue for the queue manager.

AMQ9566 Invalid MQSERVER value

Explanation: The value of the MQSERVER environment variable was '&3'. The variable should be in the format 'ChannelName/Protocol/ConnectionName'.

User action: Correct the MQSERVER value and retry the operation.

AMQ9572 Message header is not valid.

Explanation: Channel '&3' is stopping because a message header is not valid. During the processing of the channel, a message was found that has a header that is not valid. The dead-letter queue has been defined as a transmission queue, so a loop would be created if the message had been put there.

User action: Correct the problem that caused the message to have a header that is not valid.

AMQ9573 Maximum number of active channels reached.

Explanation: There are too many channels active to start another. The current defined maximum number of active channels is &1.

User action: Either wait for some of the operating channels to close or use the stop channel command to close some channels. Retry the operation when some channels are available. The maximum number of active channels is a configurable parameter in the queue manager configuration file.

AMQ9574 Channel &3 can now be started.

Explanation: Channel &3 has been waiting to start, but there were no channels available because the maximum number of active channels was running. One, or more, of the active channels has now closed so this channel can start.

User action:

AMQ9575 DCE Security: failed to get the user's login name.

Explanation: System call &4 to get the login name of the user running MQSeries client application process &1 failed with error value &2. This occurred in security exit function create_cred. The exit will now attempt to open channel &3 using the DCE default login context.

User action: If you wish to run using the DCE default login context take no action. If you wish to run using the user's login name as the DCE security exit principal examine the documentation for the operating system on which you are running MQSeries clients and reconfigure the operating system as necessary to allow the &4 call to succeed.

AMQ9576 DCE Security: an exit could not allocate memory.

Explanation: A DCE exit was unsuccessful in obtaining the memory it needed. The failure occurred in exit function &4. Channel &3 is closed.

User action: Make more memory available to the MQSeries system and restart the relevant channel.

AMQ9577 DCE security exit: no partner name.

Explanation: Channel &3 has not been opened because the DCE security exit which initiates the security context was not passed a valid partner name. When the DCE security exit is called to initiate the security context it is essential that the PartnerName field in the MQCXP structure contains a valid partner name. On this call it did not. This can arise as a result of a usage error, for instance only specifying the security exit on one end of the channel. The error was reported from security exit function savePartnerName.

User action: Check your usage of the DCE security exit for errors, such as only specifying the exit in one of the matching channel definitions. Correct any errors found and retry.

AMQ9578 DCE Security: bad return from DCE call.

Explanation: Channel &3 has been closed because one of the DCE channel exits received a bad return code from DCE.

User action: Consult the appropriate DCE manuals to find out the meaning of major_status &1 and minor_status &2 on call &5. Then rectify the error. The exit function name is &4.

AMQ9579 DCE Security: partner name does not match target.

Explanation: The DCE Security exit was requested to perform a trusted channel check: target partner name &4 was specified in the SCYDATA field of channel &3. The actual partner name associated with channel &3 was &5, so the security exit suppressed the channel.

User action: Examine the channel definition of channel &3 and alter it so that the relevant name on the partner system matches that specified in the SCYDATA field.

AMQ9580 DCE Security: invalid message received.

Explanation: An IBM-supplied DCE exit on channel &3 received a message that was not generated by a matching exit, or was not the expected type of message. The header.mechanism field had value &1. The header.msgtype field had value &2. The name of the exit function in which the error was discovered is &4.

User action: Make sure that the exits at both ends of the channel generate compatible flows.

AMQ9581 DCE Security: wrong exit called.

Explanation: Exit &4 on channel &3 was called for use as an MQSeries exit of the wrong type. DCE_SEC_SCY_CHANNELEXIT functions as a security exit; DCE_SEC_SRM_CHANNELEXIT functions as a send, receive or message exit. The ExitId parameter passed to the exit was &1.

User action: Alter the exit definitions to ensure that exit &4 is called correctly.

AMQ9582 DCE Security: invalid exit function requested.

Explanation: Exit &4 on channel &3 was called with an invalid ExitReason (value &1).

User action: Check that the exit is being run with a compatible release of MQSeries base code. If not then correct it. If it is, contact your IBM support center for help.

AMQ9583 The DCE security exit was not run.

Explanation: The DCE_SEC_SRM_CHANNELEXIT exit was called on channel &3; the value of pContext->mechanism (&1) passed was not valid.

User action: This is probably because the DCE_SEC_SRM_CHANNELEXIT exit has been called without first calling the DCE_SEC_SCY_CHANNELEXIT security exit. Alter the system so that either both or neither are run.

AMQ9584 DCE Security: message too short.

Explanation: The DCE_SEC_SRM_CHANNELEXIT receive or message exit was called on channel &3 to process an incoming message. The pDataLength parameter supplied to the exit indicated that the message received was too short to be a valid message for the relevant exit. The *pDataLength value was &1.

User action: Configure the system so that compatible send/receive/message exits are run at both ends of the channel.

AMQ9585 Maximum number of channel initiators reached.

Explanation: The maximum number of channels initiators that can be in use simultaneously has been reached. The number of permitted channel initiators is a configurable parameter in the queue manager configuration file.

User action: Wait for one or more channel initiators to close and retry the operation or modify the configuration file to allow more initiators and restart the Queue Manager.

AMQ9586 Program cannot create queue manager object.

Explanation: The attempt to create object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9587 Program cannot open queue manager object.

Explanation: The attempt to open object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9588 Program cannot update queue manager object.

Explanation: The attempt to update object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9589 Program cannot query queue manager object.

Explanation: The attempt to query object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9590 Program cannot close queue manager object.

Explanation: The attempt to close object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9591 Program cannot prepare queue manager object.

Explanation: The attempt to prepare object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9592 Program cannot resolve queue manager object.

Explanation: The attempt to resolve object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9593 Program cannot delete queue manager object.

Explanation: The attempt to delete object '&4' on queue manager '&5' failed with reason code &1.

User action: Use the standard facilities supplied with your system to record the problem identifier. Contact your IBM support center.

AMQ9594 Usage: runmqfmt [filename].

Explanation: Syntax for the usage of runmqfmt.

User action: None.

AMQ9595 Usage: endmqtsr [-m QMgrName]

Explanation: The correct usage is shown.

User action: Correct the parameters passed to the endmqtsr program and retry the operation.

AMQ9596 Queue Manager '&3' still running

Explanation: The requested operation can not complete because queue manager '&3' is still running.

User action: End the queue manager and retry the operation.

AMQ9597 No MQSeries listeners found for the given Queue Manager

Explanation: No MQSeries listener processes were found in the system for Queue Manager '&3'.

User action: None.

AMQ9598 &1 MQSeries listeners will end shortly.

Explanation: &1 MQSeries listeners detected in the system are scheduled for shutdown.

User action: None.

AMQ9599 Program could not open queue manager object.

Explanation: The attempt to open either the queue or queue manager object '&4' on queue manager '&5' by user '&3' failed with reason code &1.

User action: Ensure that the queue is available and retry the operation. If the message is from a remote Queue Manager, check the Message Channel Agent User Identifier has the correct authority.

AMQ9999 Channel program ended abnormally.

Explanation: Channel program '&3' ended abnormally.

User action: Look at previous error messages for channel program '&3' in the error files to determine the cause of the failure.

API completion and reason codes

For each call, a completion code and a reason code are set, either by the queue manager or by an exit routine, to indicate the success or failure of the call.

For more information about the MQSeries API, see the *MQSeries Application Programming Guide* and the *MQSeries Application Programming Reference* manual.

Completion codes

The following is a list of the completion codes (MQCC) returned by MQSeries:

- 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.

Reason codes

The reason code parameter (MQRC) is a qualification to the completion code.

If there is no special reason to report, MQRC_NONE is returned. Typically, 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.

MQI return codes

0	X'000'	<p>MQRC_NONE</p> <p>No reason to report.</p> <p>The call completed normally. The completion code (<i>CompCode</i>) is MQCC_OK.</p> <p>Corrective action: None.</p>
900	X'384'	<p>MQRC_APPL_FIRST</p> <p>Lowest value for an application-defined reason code returned by a data-conversion exit.</p> <p>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.</p> <p>Corrective action: As defined by the writer of the data-conversion exit.</p>
999	X'3E7'	<p>MQRC_APPL_LAST</p> <p>Highest value for application-defined reason code returned by a data-conversion exit.</p> <p>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.</p> <p>Corrective action: As defined by the writer of the data-conversion exit.</p>
2001	X'7D1'	<p>MQRC_ALIAS_BASE_Q_TYPE_ERROR</p> <p>Alias base queue not a valid type.</p> <p>An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the <i>BaseQName</i> in the alias queue definition resolves to a queue that is not a local queue, or local definition of a remote queue.</p> <p>Corrective action: Correct the queue definitions.</p>
2002	X'7D2'	<p>MQRC_ALREADY_CONNECTED</p> <p>Application already connected.</p> <p>An MQCONN or MQCONNX call was issued, but the application is already connected to the queue manager.</p> <p>On OS/390, this reason code occurs for batch and IMS applications only; it does not occur for CICS applications.</p> <p>Corrective action: None. The <i>Hconn</i> parameter returned has the same value as was returned for the previous MQCONN or MQCONNX call.</p> <p>Note: An MQCONN or MQCONNX call that returns this reason code does <i>not</i> 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 (or portion thereof) has been called in a situation where the connect has already been done, a corresponding MQDISC should <i>not</i> be issued, because this will cause the application that issued the original MQCONN or MQCONNX call to be disconnected as well.</p>

2003	X'7D3'	<p>MQRC_BACKED_OUT</p> <p>Unit of work encountered fatal error or backed out.</p> <p>This occurs in the following cases:</p> <ul style="list-style-type: none"> On an MQCMIT or MQDISC call, when the commit operation has failed and the unit of work has been backed out. All protected resources have been returned to their state at the start of the unit of work. The MQCMIT call returns completion code MQCC_FAILED; the MQDISC call returns completion code MQCC_WARNING. <p>On OS/390, this reason code occurs only for batch applications.</p> <ul style="list-style-type: none"> 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. <p>On OS/390 this case does not occur.</p> <p>On OS/400, this reason code does not occur.</p> <p>Corrective action: Check the returns from previous calls to the queue manager. For example, a previous MQPUT call might have failed.</p>
2004	X'7D4'	<p>MQRC_BUFFER_ERROR</p> <p>Buffer parameter not valid.</p> <p>The <i>Buffer</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> 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 <i>BufferLength</i>. For calls where <i>Buffer</i> is an output parameter: the parameter pointer points to read-only storage. <p>Corrective action: Correct the parameter.</p>
2005	X'7D5'	<p>MQRC_BUFFER_LENGTH_ERROR</p> <p>Buffer length parameter not valid.</p> <p>The <i>BufferLength</i> 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.)</p> <p>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.</p> <p>Corrective action: Specify a value that is zero or greater. For the mqAddString and mqSetString calls, the special value MQBL_NULL_TERMINATED is also valid.</p>
2006	X'7D6'	<p>MQRC_CHAR_ATTR_LENGTH_ERROR</p> <p>Length of character attributes not valid.</p> <p><i>CharAttrLength</i> 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.)</p> <p>Corrective action: Specify a value large enough to hold the concatenated strings for all selected attributes.</p>

MQI return codes

2007	X'7D7'	<p>MQRC_CHAR_ATTRS_ERROR</p> <p>Character attributes string not valid.</p> <p><i>CharAttrs</i> 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 <i>CharAttrLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2008	X'7D8'	<p>MQRC_CHAR_ATTRS_TOO_SHORT</p> <p>Not enough space allowed for character attributes.</p> <p>For MQINQ calls, <i>CharAttrLength</i> is not large enough to contain all of the character attributes for which MQCA_* selectors are specified in the <i>Selectors</i> parameter.</p> <p>The call still completes, with the <i>CharAttrs</i> 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.</p> <p>An attribute that represents a set of values (for example, the <i>Names</i> attribute) is treated as a single entity—either all of its values are returned, or none.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2009	X'7D9'	<p>MQRC_CONNECTION_BROKEN</p> <p>Connection to queue manager lost.</p> <p>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.</p> <p>If this reason occurs with MQCONN, the queue manager might have been stopped and restarted, and now be available again. All previous handles are now invalid, but the application can attempt to reestablish connection by issuing MQCONN again.</p> <p>Note that for MQ client applications it is possible that the call did complete successfully, even though this reason code is returned with a <i>CompCode</i> of MQCC_FAILED.</p> <p>Corrective action: Applications can attempt to reestablish connection by issuing the MQCONN call. It might be necessary to poll until a successful response is received.</p> <p>On OS/390, for CICS applications, it is not necessary to issue the MQCONN call, because CICS applications are connected automatically.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2010	X'7DA'	<p>MQRC_DATA_LENGTH_ERROR</p> <p>Data length parameter not valid.</p> <p>The <i>DataLength</i> 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.)</p> <p>This reason can also be returned to an MQ client program that is putting and getting messages, if the application message data is longer than the negotiated maximum message size for the channel.</p> <p>Corrective action: Correct the parameter.</p> <p>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.</p>

2011	X'7DB'	<p>MQRC_DYNAMIC_Q_NAME_ERROR</p> <p>Name of dynamic queue not valid.</p> <p>On the MQOPEN call, a model queue is specified in the <i>ObjectName</i> field of the <i>ObjDesc</i> parameter, but the <i>DynamicQName</i> field is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • 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 which are not null and not blank. <p>Corrective action: Specify a valid name.</p>
2012	X'7DC'	<p>MQRC_ENVIRONMENT_ERROR</p> <p>Call not valid in environment.</p> <p>The call is not valid for the current environment.</p> <ul style="list-style-type: none"> • On OS/390, one of the following applies: <ul style="list-style-type: none"> – An MQCONN call was issued, but the application had 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 DB/2 Stored Procedure address space. RRS is not supported in this environment. Stored Procedures wishing to use the MQ RRS adapter must run in a DB/2 WLM-managed Stored Procedure address space. – An MQCMIT or MQBACK call was issued in the CICS or IMS environment. • On Digital OpenVMS, OS/2 Warp, Tandem NSK, UNIX platforms, and Windows NT, one of the following applies: <ul style="list-style-type: none"> – 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 or the queue manager does not support units of work. – The MQBEGIN call was issued in an MQ client environment. • On OS/400, this reason code does not occur. <p>Corrective action: Do one of the following (as appropriate):</p> <p>On OS/390:</p> <ul style="list-style-type: none"> • Link the application with the correct adapter. • For a CICS or IMS application, issue the appropriate CICS or IMS call to commit or backout the unit of work. <p>In the other environments:</p> <ul style="list-style-type: none"> • Link the application with the correct libraries (threaded or nonthreaded). • Remove from the application the call that is not supported.
2013	X'7DD'	<p>MQRC_EXPIRY_ERROR</p> <p>Expiry time not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Expiry</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify a value which is greater than zero, or the special value MQEI_UNLIMITED.</p>
2014	X'7DE'	<p>MQRC_FEEDBACK_ERROR</p> <p>Feedback code not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Feedback</i> field in the message descriptor MQMD is not valid. The value is outside both the range defined for system feedback codes and that defined for application feedback codes.</p> <p>Corrective action: Specify a value in the range MQFB_SYSTEM_FIRST through MQFB_SYSTEM_LAST, or MQFB_APPL_FIRST through MQFB_APPL_LAST.</p>

MQI return codes

2016	X'7E0'	<p>MQRC_GET_INHIBITED</p> <p>Gets inhibited for the queue.</p> <p>MQGET calls are currently inhibited for the queue.</p> <p>Corrective action: If the system design allows get requests to be inhibited for short periods, retry the operation later.</p>
2017	X'7E1'	<p>MQRC_HANDLE_NOT_AVAILABLE</p> <p>No more handles available.</p> <p>An MQOPEN or MQPUT1 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.</p> <p>On OS/390, "task" means a CICS task, an MVS task, or an IMS-dependent region.</p> <p>Corrective action: 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.</p> <p>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 <i>MaxHandles</i> queue manager attribute.</p>
2018	X'7E2'	<p>MQRC_HCONN_ERROR</p> <p>Connection handle not valid.</p> <p>The connection handle <i>Hconn</i> is not valid. This reason also occurs if 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.)</p> <p>Corrective action: 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.</p> <p>On OS/390, 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 MQSeries which is more recent than the release on which the application will run.</p>
2019	X'7E3'	<p>MQRC_HOBJ_ERROR</p> <p>Object handle not valid.</p> <p>The object handle <i>Hobj</i> is not valid. This reason also occurs if 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.)</p> <p>Corrective action: Ensure that a successful MQOPEN call is performed for this object, and that an MQCLOSE call has not already been performed for it. For MQGET and MQPUT calls, also ensure that the handle represents a queue object. Ensure that the handle is being used within its valid scope.</p>
2020	X'7E4'	<p>MQRC_INHIBIT_VALUE_ERROR</p> <p>Value for inhibit-get or inhibit-put queue attribute not valid.</p> <p>On an MQSET call, the value specified for either the MQIA_INHIBIT_GET attribute or the MQIA_INHIBIT_PUT attribute is not valid.</p> <p>Corrective action: Specify a valid value.</p>

2021	X'7E5'	<p>MQRC_INT_ATTR_COUNT_ERROR</p> <p>Count of integer attributes not valid.</p> <p>On an MQINQ or MQSET call, the <i>IntAttrCount</i> parameter is negative (MQINQ or MQSET), or smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> 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.)</p> <p>Corrective action: Specify a value large enough for all selected integer attributes.</p>
2022	X'7E6'	<p>MQRC_INT_ATTR_COUNT_TOO_SMALL</p> <p>Not enough space allowed for integer attributes.</p> <p>On an MQINQ call, the <i>IntAttrCount</i> parameter is smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> parameter.</p> <p>The call completes with MQCC_WARNING, with the <i>IntAttrs</i> array filled in with as many integer attributes as there is room for.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2023	X'7E7'	<p>MQRC_INT_ATTRS_ARRAY_ERROR</p> <p>Integer attributes array not valid.</p> <p>On an MQINQ or MQSET call, the <i>IntAttrs</i> 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 <i>IntAttrCount</i> parameter (MQINQ only). (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2024	X'7E8'	<p>MQRC_SYNCPOINT_LIMIT_REACHED</p> <p>No more messages can be handled within current unit of work.</p> <p>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 <i>MaxUncommittedMsgs</i> queue-manager attribute). The number of uncommitted messages is the sum of the following since the start of the current unit of work:</p> <ul style="list-style-type: none"> • 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 <p>On Tandem NSK, this reason code occurs when the maximum number of I/O operations in a single TM/MP transaction has been exceeded.</p> <p>Corrective action: 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.</p> <ul style="list-style-type: none"> • On OS/390, the limit for the maximum number of uncommitted messages can be changed by using the DEFINE MAXSMSGS command. • On OS/400, the limit for the maximum number of uncommitted messages can be changed by using the CHGMQM command. • On Tandem NSK, the application should cancel the transaction and retry with a smaller number of operations in the unit of work. See the <i>MQSeries for Tandem NonStop Kernel System Management Guide</i> for more details.

MQI return codes

2025	X'7E9'	<p>MQRC_MAX_CONNS_LIMIT_REACHED</p> <p>Maximum number of connections reached.</p> <p>The MQCONN or MQCONNX call was rejected because the maximum number of concurrent connections has been exceeded.</p> <ul style="list-style-type: none"> On OS/390, 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: <ul style="list-style-type: none"> For TSO, IDFORE For batch, IDBACK <p>For more information, see the <i>MQSeries for OS/390 System Management Guide</i>.</p> <ul style="list-style-type: none"> On Digital OpenVMS, OS/2 Warp, Tandem NSK, UNIX platforms, and Windows NT, this reason code can also occur on the MQOPEN call. On OS/400, this reason code does not occur. <p>Corrective Action: Either increase the size of the appropriate install parameter value, or reduce the number of concurrent connections.</p>
2026	X'7EA'	<p>MQRC_MD_ERROR</p> <p>Message descriptor not valid.</p> <p>MQMD structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> 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. <p>Corrective action: Correct the definition of the message descriptor. Ensure that required input fields are correctly set.</p>
2027	X'7EB'	<p>MQRC_MISSING_REPLY_TO_Q</p> <p>Missing reply-to queue.</p> <p>On an MQPUT or MQPUT1 call, the <i>ReplyToQ</i> field in the message descriptor MQMD is blank, but one or both of the following is true:</p> <ul style="list-style-type: none"> A reply was requested (that is, MQMT_REQUEST was specified in the <i>MsgType</i> field of the message descriptor). A report message was requested in the <i>Report</i> field of the message descriptor. <p>Corrective action: Specify the name of the queue to which the reply message or report message is to be sent.</p>
2029	X'7ED'	<p>MQRC_MSG_TYPE_ERROR</p> <p>Message type in message descriptor not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>MsgType</i> field in the message descriptor (MQMD) is not valid.</p> <p>Corrective action: Specify a valid value.</p>

2030	X'7EE'	<p>MQRC_MSG_TOO_BIG_FOR_Q</p> <p>Message length greater than maximum for queue.</p> <p>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 <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue and queue-manager <i>MaxMsgLength</i> attributes.</p> <p>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:</p> <ul style="list-style-type: none"> • 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). <p>MQRC_MSG_TOO_BIG_FOR_Q can also occur in the <i>Feedback</i> 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.</p> <p>Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul style="list-style-type: none"> • Increase the value of the queue's <i>MaxMsgLength</i> attribute; the queue-manager's <i>MaxMsgLength</i> attribute might also need increasing. • Break the message into several smaller messages. • Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments.
------	--------	--

MQI return codes

2031	X'7EF'	<p>MQRC_MSG_TOO_BIG_FOR_Q_MGR</p> <p>Message length greater than maximum for queue manager.</p> <p>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 <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue and queue-manager <i>MaxMsgLength</i> attributes.</p> <p>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:</p> <ul style="list-style-type: none">• 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). <p>MQRC_MSG_TOO_BIG_FOR_Q_MGR can also occur in the <i>Feedback</i> 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.</p> <p>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.</p> <p>On OS/390, this return code is issued only if you are using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_CHANNEL is issued.</p> <p>Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul style="list-style-type: none">• Increase the value of the queue-manager's <i>MaxMsgLength</i> attribute; the queue's <i>MaxMsgLength</i> attribute might also need increasing.• Break the message into several smaller messages.• Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments.• Check the channel definitions.
------	--------	--

2033	X'7F1'	<p>MQRC_NO_MSG_AVAILABLE</p> <p>No message available.</p> <p>An MQGET call was issued, but there is no message on the queue satisfying the selection criteria specified in MQMD (the <i>MsgId</i> and <i>CorrelId</i> fields), and in MQGMO (the <i>Options</i> and <i>MatchOptions</i> fields). Either the MQGMO_WAIT option was not specified, or the time interval specified by the <i>WaitInterval</i> 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.</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>Corrective action: If this is an expected condition, no corrective action is required.</p> <p>If this is an unexpected condition, check whether the message was put on the queue successfully, and whether 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:</p> <p>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 <i>MsgId</i> field <i>CorrelId</i> field</p> <p>Consider waiting longer for the message.</p>
2034	X'7F2'	<p>MQRC_NO_MSG_UNDER_CURSOR</p> <p>Browse cursor not positioned on message.</p> <p>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:</p> <ul style="list-style-type: none"> • 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), or • 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. <p>Corrective action: Check the application logic. This might 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.</p>

MQI return codes

2035	X'7F3'	<p>MQRC_NOT_AUTHORIZED</p> <p>Not authorized for access.</p> <p>The user is not authorized to perform the operation attempted:</p> <ul style="list-style-type: none"> On an MQCONN or MQCONN call, the user is not authorized to connect to the queue manager. <p>On OS/390, for CICS applications, MQRC_CONNECTION_NOT_AUTHORIZED is issued instead.</p> <ul style="list-style-type: none"> On an MQOPEN or MQPUT1 call, the user is not authorized to open the object for the option(s) specified. <p>On OS/390, 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.</p> <ul style="list-style-type: none"> On an MQCLOSE call, the user is not authorized to delete the object, which is a permanent dynamic queue, and the <i>Hobj</i> parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue. <p>This reason code can also occur in the <i>Feedback</i> 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.</p> <p>Corrective action: Ensure that the correct queue manager or object was specified, and that appropriate authority exists.</p> <p>On OS/390, to determine for which object you are not authorized, you can use the violation messages issued by the External Security Manager.</p>
2036	X'7F4'	<p>MQRC_OBJECT_CHANGED</p> <p>Queue not open for browse.</p> <p>An MQGET call was issued with one of the following options:</p> <p style="padding-left: 40px;">MQGMO_BROWSE_FIRST MQGMO_BROWSE_NEXT MQGMO_BROWSE_MSG_UNDER_CURSOR MQGMO_MSG_UNDER_CURSOR</p> <p>but the queue had not been opened for browse.</p> <p>Corrective action: Specify MQOO_BROWSE when the queue is opened.</p>
2037	X'7F5'	<p>MQRC_NOT_OPEN_FOR_BROWSE</p> <p>Queue not open for input.</p> <p>An MQGET call was issued to retrieve a message from a queue, but the queue had not been opened for input.</p> <p>Corrective action: Specify one of the following when the queue is opened:</p> <p style="padding-left: 40px;">MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_INPUT_AS_Q_DEF</p>
2038	X'7F6'	<p>MQRC_NOT_OPEN_FOR_INPUT</p> <p>Queue not open for inquire.</p> <p>An MQINQ call was issued to inquire object attributes, but the object had not been opened for inquire.</p> <p>Corrective action: Specify MQOO_INQUIRE when the object is opened.</p>

2039	X'7F7'	<p>MQRC_NOT_OPEN_FOR_INQUIRE</p> <p>Queue not open for output.</p> <p>An MQPUT call was issued to put a message on a queue, but the queue had not been opened for output.</p> <p>Corrective action: Specify MQOO_OUTPUT when the queue is opened.</p>
2040	X'7F8'	<p>MQRC_NOT_OPEN_FOR_OUTPUT</p> <p>Queue not open for set.</p> <p>An MQSET call was issued to set queue attributes, but the queue had not been opened for set.</p> <p>Corrective action: Specify MQOO_SET when the object is opened.</p>
2041	X'7F9'	<p>MQRC_NOT_OPEN_FOR_SET</p> <p>Object definition changed since opened.</p> <p>Since the <i>Hobj</i> handle used on this call was returned by the MQOPEN call, object definitions that affect this object have been changed.</p> <p>This reason does not occur if the object handle is specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter on the MQPUT or MQPUT1 call.</p> <p>Corrective action: 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 find out what has changed.</p>
2042	X'7FA'	<p>MQRC_OBJECT_IN_USE</p> <p>Object already open with conflicting options.</p> <p>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 <i>Options</i> 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).</p> <p>Note: MCAs for receiver channels might keep the destination queues open even when messages are not being transmitted; this results in the queues appearing to be “in use.”</p> <p>On OS/390, 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.</p> <p>Corrective action: System design should specify whether an application is to wait and retry, or take other action.</p>
2043	X'7FB'	<p>MQRC_OBJECT_TYPE_ERROR</p> <p>Object type not valid.</p> <p>On the MQOPEN or MQPUT1 call, the <i>ObjectType</i> field in the object descriptor MQOD specifies a value which is not valid. For the MQPUT1 call, the object type must be MQOT_Q.</p> <p>Corrective action: Specify a valid object type.</p>

MQI return codes

2044	X'7FC'	<p>MQRC_OD_ERROR</p> <p>Object descriptor structure not valid.</p> <p>On the MQOPEN or MQPUT1 call, the object descriptor MQOD is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • 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. <p>Corrective action: Correct the definition of the object descriptor. Ensure that required input fields are set correctly.</p>
2045	X'7FD'	<p>MQRC_OPTION_NOT_VALID_FOR_TYPE</p> <p>Option not valid for object type.</p> <p>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.</p> <p>For the MQOPEN call, this includes the following cases:</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> MQOO_INPUT_AS_Q_DEF MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_BROWSE MQOO_INQUIRE MQOO_SET <p>when either:</p> <ul style="list-style-type: none"> – the queue name is resolved through a cell directory, or – <i>ObjectQMgrName</i> 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 <i>RemoteQMgrName</i> attribute of the definition is the name of the local queue manager. <p>For the MQCLOSE call, this includes the following case:</p> <ul style="list-style-type: none"> • The MQCO_DELETE or MQCO_DELETE_PURGE option when the queue is not a dynamic queue. <p>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 <i>ObjectQMgrName</i> field in MQOD is neither blank nor the name of the local queue manager.</p> <p>Corrective action: Specify the correct option; see the <i>MQSeries Application Programming Reference</i> for more information. For the MQOPEN call, ensure that the <i>ObjectQMgrName</i> 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.</p>

2046	X'7FE'	<p>MQRC_OPTIONS_ERROR</p> <p>Options not valid or not consistent.</p> <p>The <i>Options</i> parameter or field contains options that are not valid, or a combination of options that is not valid.</p> <ul style="list-style-type: none"> For the MQOPEN, MQCLOSE, MQXCNVC, mqBagToBuffer, mqBufferToBag, mqCreateBag, and mqExecute calls, <i>Options</i> is a separate parameter on the call. <p>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.)</p> <ul style="list-style-type: none"> For the MQBEGIN, MQCONN, MQGET, MQPUT, and MQPUT1 calls, <i>Options</i> is a field in the relevant options structure (MQBO, MQCNO, MQGMO, or MQPMO). <p>Corrective action: Specify valid options. Check the description of the <i>Options</i> 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.</p>
2047	X'7FF'	<p>MQRC_PERSISTENCE_ERROR</p> <p>Persistence not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify one of the following values:</p> <p style="padding-left: 40px;">MQPER_PERSISTENT MQPER_NOT_PERSISTENT MQPER_PERSISTENCE_AS_Q_DEF</p>
2048	X'800'	<p>MQRC_PERSISTENT_NOT_ALLOWED</p> <p>Message on a temporary dynamic queue cannot be persistent.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in the message descriptor MQMD specifies MQPER_PERSISTENT, but the queue on which the message is being placed is a temporary dynamic queue. Persistent messages cannot be put on temporary queues.</p> <p>This reason code can also occur in the <i>Feedback</i> 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.</p> <p>Corrective action: 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 a predefined queue.</p> <p>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 <i>ReplyToQ</i> field in the message descriptor MQMD cannot be a temporary dynamic queue; a permanent dynamic or predefined queue must be used as the reply queue in this situation.</p>
2049	X'801'	<p>MQRC_PRIORITY_EXCEEDS_MAXIMUM</p> <p>Message Priority exceeds maximum value supported.</p> <p>On an MQPUT or MQPUT1 call, the value of the <i>Priority</i> field in the message descriptor MQMD exceeds the maximum priority supported by the local queue manager. The message is accepted by the queue manager, but is placed on the queue at the queue manager's maximum priority. The <i>Priority</i> field in the message descriptor retains the value specified by the application that put the message.</p> <p>Corrective action: None required, unless this reason code was not expected by the application that put the message.</p>

MQI return codes

2050	X'802'	<p>MQRC_PRIORITY_ERROR</p> <p>Message priority not valid.</p> <p>On an MQPUT or MQPUT1 call, the value of the <i>Priority</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify a value which is zero or greater, or the special value MQPRI_PRIORITY_AS_Q_DEF.</p> <p>On OS/390, specify a value in the range 0 through <i>MaxPriority</i> or the special value MQPRI_PRIORITY_AS_Q_DEF.</p>
2051	X'803'	<p>MQRC_PUT_INHIBITED</p> <p>Put calls inhibited for the queue.</p> <p>MQPUT and MQPUT1 calls are currently inhibited for the queue.</p> <p>This reason code can also occur in the <i>Feedback</i> 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.</p> <p>Corrective action: If the system design allows put requests to be inhibited for short periods, retry the operation later.</p>
2052	X'804'	<p>MQRC_Q_DELETED</p> <p>Queue has been deleted.</p> <p>An <i>Hobj</i> queue handle specified on a call refers to a dynamic queue that has been deleted since the queue was opened.</p> <p>On OS/390, 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.</p> <p>Corrective action: 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.</p>
2053	X'805'	<p>MQRC_Q_FULL</p> <p>Queue already contains maximum number of messages.</p> <p>On an MQPUT or MQPUT1 call, the call failed because the queue is full, that is, it already contains the maximum number of messages possible.</p> <p>This reason code can also occur in the <i>Feedback</i> 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.</p> <p>Corrective action: Retry the operation later. Consider increasing the maximum depth for this queue, or arranging for more instances of the application to service the queue.</p>

2055	X'807'	<p>MQRC_Q_NOT_EMPTY</p> <p>Queue contains one or more messages or uncommitted put or get requests.</p> <p>An MQCLOSE call was issued for a permanent dynamic queue, with either:</p> <ul style="list-style-type: none"> • The MQCO_DELETE option specified, but there are messages still on the queue, or • The MQCO_DELETE or MQCO_DELETE_PURGE option specified, but there are uncommitted get or put calls outstanding against the queue. <p>See the usage notes pertaining to dynamic queues for the MQCLOSE call for more information.</p> <p>This reason code is also returned from a Programmable Command Format (PCF) command to clear or delete a queue, if the queue contains uncommitted messages (or committed messages in the case of delete queue without the purge option).</p> <p>Corrective action: Check why there might be messages on the queue. Be aware that the <i>CurrentQDepth</i> local-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 which 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.</p>
2056	X'808'	<p>MQRC_Q_SPACE_NOT_AVAILABLE</p> <p>No space available on disk for queue.</p> <p>An MQPUT or MQPUT1 call was issued, but there is no space available for the queue on disk or other storage device.</p> <p>This reason code can also occur in the <i>Feedback</i> 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.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: Check whether an application is putting messages in an infinite loop. If not, make more disk space available for the queue.</p> <p>On OS/400, the space available for a queue is limited to 320 MB. If this limit has been reached, consider redesigning the application to reduce the number or size of messages on a single queue, or start more server instances.</p>
2057	X'809'	<p>MQRC_Q_TYPE_ERROR</p> <p>Queue type not valid.</p> <p>One of the following occurred:</p> <ul style="list-style-type: none"> • On an MQOPEN call, the <i>ObjectQMgrName</i> 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 <i>RemoteQMgrName</i> attribute is the name of the local queue manager. However, the <i>ObjectName</i> field in MQOD or MQOR specifies the name of a model queue on the local queue manager; this is not allowed. • 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 <i>ReplyToQ</i> 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 <i>dynamic</i> 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 <i>Reason</i> field of the MQDLH structure when the reply message or report message is placed on the dead-letter queue. <p>Corrective action: Specify a valid queue.</p>

MQI return codes

2058	X'80A'	<p>MQRC_Q_MGR_NAME_ERROR</p> <p>Queue manager name not valid or not known.</p> <p>On an MQCONN or MQCONNX call, the value specified for the <i>QMgrName</i> parameter 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.)</p> <p>On OS/390, for CICS applications, this reason can occur on any call if the original connect specified an incorrect or unrecognized name.</p> <p>This reason also occurs if an application attempts to connect to a queue manager within a group (see the <i>QMgrName</i> parameter of MQCONN), and either:</p> <ul style="list-style-type: none"> • Queue-manager groups are not supported (they are only supported for MQ client applications), or • There is no queue-manager group with the specified name. <p>Corrective action: Use an all-blank name if possible, or verify that the name used is valid.</p>
2059	X'80B'	<p>MQRC_Q_MGR_NOT_AVAILABLE</p> <p>Queue manager not available for connection.</p> <p>On an MQCONN or MQCONNX call, the queue manager identified by the <i>QMgrName</i> parameter is not available for connection at this time.</p> <ul style="list-style-type: none"> • On OS/390, 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 OS/400, this reason can also be returned by the MQOPEN and MQPUT1 calls, when MQHC_DEF_HCONN is specified for the <i>Hconn</i> parameter. <p>If the connection is from an MQ client application, this reason code can occur if there is an error with the client-connection or the corresponding server-connection channel definitions.</p> <p>On OS/390, this reason code can also occur if the optional MVS/ESA client attachment feature has not been installed.</p> <p>This reason also occurs if an application attempts to connect to a queue manager within a group (see the <i>QMgrName</i> parameter of MQCONN), when none of the queue managers in the group is available for connection at this time.</p> <p>Corrective action: Ensure that the queue manager has been started. If the connection is from a client application, check the channel definitions.</p>

2061	X'80D'	<p>MQRC_REPORT_OPTIONS_ERROR</p> <p>Report options in message descriptor not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options which 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.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> 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.</p> <p>Corrective action: Do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>Report</i> 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. <p>Specify MQRO_NONE if no report options are required.</p> <ol style="list-style-type: none"> 2. Ensure that the report options specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any report options which are not documented in this book. 3. If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. 4. Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2062	X'80E'	<p>MQRC_SECOND_MARK_NOT_ALLOWED</p> <p>A message is already marked.</p> <p>The <i>Options</i> field in the MQGMO specifies MQGMO_MARK_SKIP_BACKOUT, but a message has already been marked within this unit of recovery. Only one marked message is allowed within one unit of recovery.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ask for only one message to be marked.</p>
2063	X'80F'	<p>MQRC_SECURITY_ERROR</p> <p>Security error occurred.</p> <p>An MQCONN, MQCONNX, MQOPEN, MQPUT1, or MQCLOSE call was issued, but it failed because a security error occurred.</p> <ul style="list-style-type: none"> • On OS/390, the security error was returned by the External Security Manager. • On OS/400, this reason code is not returned by the MQCONN call. <p>Corrective Action: Note the error from the security manager, and contact your system programmer or security administrator.</p> <p>On OS/400, the FFST log will contain the error information.</p>
2065	X'811'	<p>MQRC_SELECTOR_COUNT_ERROR</p> <p>Count of selectors not valid.</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> 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.)</p> <p>Corrective action: Specify a value in the range 0 through 256.</p>

MQI return codes

2066	X'812'	<p>MQRC_SELECTOR_LIMIT_EXCEEDED</p> <p>Count of selectors too big.</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> parameter specifies a value that is larger than the maximum supported (256).</p> <p>Corrective action: Reduce the number of selectors specified on the call; the valid range is 0 through 256.</p>
2067	X'813'	<p>MQRC_SELECTOR_ERROR</p> <p>Attribute selector not valid.</p> <p>On an MQINQ or MQSET call, a selector in the <i>Selectors</i> array is either:</p> <ul style="list-style-type: none"> • not valid, or • not applicable to the type of the object whose attributes are being inquired or set, or • (MQSET only) not an attribute which can be set. <p>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.)</p> <p>Corrective action: Ensure that the value specified for the selector is valid for the object type represented by <i>Hobj</i>. For the MQSET call, also ensure that the selector represents an integer attribute that can be set.</p>
2068	X'814'	<p>MQRC_SELECTOR_NOT_FOR_TYPE</p> <p>Selector not applicable to queue type.</p> <p>On the MQINQ call, one or more selectors in the <i>Selectors</i> array is not applicable to the type of the queue whose attributes are being inquired. The call completes with MQCC_WARNING, with the attribute values for the inapplicable selectors set as follows:</p> <ul style="list-style-type: none"> • For integer attributes, the corresponding elements of <i>IntAttrs</i> are set to MQIAV_NOT_APPLICABLE. • For character attributes, the appropriate parts of the <i>CharAttrs</i> string are set to a character string consisting entirely of asterisks (*). <p>Corrective action: Verify that the selector specified is the one that was intended.</p>
2069	X'815'	<p>MQRC_SIGNAL_OUTSTANDING</p> <p>Signal outstanding for this handle.</p> <p>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 <i>Hobj</i>.</p> <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: 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.</p>

2070	X'816'	<p>MQRC_SIGNAL_REQUEST_ACCEPTED</p> <p>No message returned (but signal request accepted).</p> <p>An MQGET call was issued specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but no suitable message was available; the call returns immediately. The application can now wait for the signal to be delivered.</p> <ul style="list-style-type: none"> • On OS/390, the application should wait on the Event Control Block pointed to by the <i>Signal1</i> field. • On Windows 95, the application should wait for the signal Windows message to be delivered. <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: 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.</p> <p>On OS/390, wait on the ECB pointed to by the <i>Signal1</i> field and, when it is posted, check it to ensure that a message is now available.</p> <p>On Windows 95, the application (thread) should continue executing its message loop.</p>
2071	X'817'	<p>MQRC_STORAGE_NOT_AVAILABLE</p> <p>Insufficient storage available.</p> <p>The call failed because there is insufficient main storage available.</p> <p>Corrective action: 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.</p> <p>On OS/390, if no application problems are found, ask your systems programmer to increase the size of the region in which the queue manager runs.</p>
2072	X'818'	<p>MQRC_SYNCPOINT_NOT_AVAILABLE</p> <p>Syncpoint support not available.</p> <p>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 <i>SyncPoint</i> queue-manager attribute will have the value MQSP_NOT_AVAILABLE.</p> <p>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.</p> <ul style="list-style-type: none"> • On OS/400, this reason codes means that OS/400 Commitment Control is not started, or is unavailable for use by the queue manager. • On OS/390, this reason code does not occur. <p>Corrective action: Remove the specification of MQGMO_SYNCPOINT or MQPMO_SYNCPOINT, as appropriate.</p> <p>On OS/400, if Commitment Control has not been started, start it. If this reason code occurs after Commitment Control has been started, contact your systems programmer.</p>
2075	X'81B'	<p>MQRC_TRIGGER_CONTROL_ERROR</p> <p>Value for trigger-control attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_CONTROL attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>

MQI return codes

2076	X'81C'	<p>MQRC_TRIGGER_DEPTH_ERROR</p> <p>Value for trigger-depth attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_DEPTH attribute selector is not valid.</p> <p>Corrective action: Specify a value which is greater than zero.</p>
2077	X'81D'	<p>MQRC_TRIGGER_MSG_PRIORITY_ERR</p> <p>Value for trigger-message-priority attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_MSG_PRIORITY attribute selector is not valid.</p> <p>Corrective action: Specify a value in the range 0 through the value of <i>MaxPriority</i> queue-manager attribute.</p>
2078	X'81E'	<p>MQRC_TRIGGER_TYPE_ERROR</p> <p>Value for trigger-type attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_TYPE attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2079	X'81F'	<p>MQRC_TRUNCATED_MSG_ACCEPTED</p> <p>Truncated message returned (processing completed).</p> <p>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.</p> <p>The <i>DataLength</i> parameter is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: None, because the application expected this situation.</p>
2080	X'820'	<p>MQRC_TRUNCATED_MSG_FAILED</p> <p>Truncated message returned (processing not completed).</p> <p>On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was <i>not</i> 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.</p> <p>The <i>DataLength</i> field is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: Supply a buffer that is at least as large as <i>DataLength</i>, or specify MQGMO_ACCEPT_TRUNCATED_MSG if not all of the message data is required.</p>
2082	X'822'	<p>MQRC_UNKNOWN_ALIAS_BASE_Q</p> <p>Unknown alias base queue.</p> <p>An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the <i>BaseQName</i> in the alias queue attributes is not recognized as a queue name.</p> <p>This reason code can also occur when <i>BaseQName</i> is the name of a cluster queue that cannot be resolved successfully.</p> <p>Corrective action: Correct the queue definitions.</p>

2085	X'825'	<p>MQRC_UNKNOWN_OBJECT_NAME</p> <p>Unknown object name.</p> <p>On an MQOPEN or MQPUT1 call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD is set to one of the following:</p> <ul style="list-style-type: none"> • 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 <i>RemoteQMgrName</i> attribute is the name of the local queue manager <p>However, the <i>ObjectName</i> field in the object descriptor is not recognized for the specified object type.</p> <p>This reason code can also occur when the queue 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.</p> <p>See also MQRC_Q_DELETED.</p> <p>Corrective action: Specify a valid object name. Ensure that the name is padded to the right with blanks if necessary. If this is correct, check the queue definitions.</p>
2086	X'826'	<p>MQRC_UNKNOWN_OBJECT_Q_MGR</p> <p>Unknown object queue manager.</p> <p>On an MQOPEN or MQPUT1 call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD does not satisfy the naming rules for objects. For more information, see the <i>MQSeries Application Programming Guide</i>.</p> <p>This reason also occurs if the <i>ObjectType</i> field in the object descriptor has the value MQOT_Q_MGR, and the <i>ObjectQMgrName</i> field is not blank, but the name specified is not the name of the local queue manager.</p> <p>Corrective Action: Specify a valid queue manager name (or all blanks or an initial null character to refer to the local queue manager). Ensure that the name is padded to the right with blanks or terminated with a null character if necessary.</p>

MQI return codes

2087	X'827'	<p>MQRC_UNKNOWN_REMOTE_Q_MGR</p> <p>Unknown remote queue manager.</p> <p>On an MQOPEN or MQPUT1 call, an error occurred with the queue-name resolution, for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>ObjectQMgrName</i> is blank or the name of the local queue manager, <i>ObjectName</i> is the name of a local definition of a remote queue (or an alias to one), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQMgrName</i> is blank or the name of the local queue manager. Note that this error occurs even if <i>XmitQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. – <i>RemoteQMgrName</i> and <i>RemoteQName</i> specify a cluster queue that cannot be resolved successfully, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is the name of a local definition of a remote queue (containing a queue-manager alias definition), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is not: <ul style="list-style-type: none"> – 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 <i>RemoteQName</i>) <p>but the <i>DefXmitQName</i> queue-manager attribute is blank.</p> • <i>ObjectQMgrName</i> 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 <i>DefXmitQName</i> queue-manager attribute is blank. <p>Corrective action: Check the values specified for <i>ObjectQMgrName</i> and <i>ObjectName</i>. If these are correct, check the queue definitions.</p>
2090	X'82A'	<p>MQRC_WAIT_INTERVAL_ERROR</p> <p>Wait interval in MQGMO not valid.</p> <p>On the MQGET call, the value specified for the <i>WaitInterval</i> field in the <i>GetMsgOpts</i> parameter is not valid.</p> <p>Corrective action: Specify a value greater than or equal to zero, or the special value MQWI_UNLIMITED if an indefinite wait is required.</p>

2091	X'82B'	<p>MQRC_XMIT_Q_TYPE_ERROR</p> <p>Transmission queue not local.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or <i>ObjectQMGrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition:</p> <ul style="list-style-type: none"> • <i>XmitQName</i> is not blank, but specifies a queue that is not a local queue • <i>XmitQName</i> is blank, but <i>RemoteQMGrName</i> specifies a queue that is not a local queue <p>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.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMGrName</i>. If these are correct, check the queue definitions.</p>
2092	X'82C'	<p>MQRC_XMIT_Q_USAGE_ERROR</p> <p>Transmission queue with wrong usage.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred:</p> <ul style="list-style-type: none"> • <i>ObjectQMGrName</i> specifies the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. • The <i>ObjectName</i> or <i>ObjectQMGrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition: <ul style="list-style-type: none"> – <i>XmitQName</i> is not blank, but specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION – <i>XmitQName</i> is blank, but <i>RemoteQMGrName</i> specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION • 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 <i>Usage</i> attribute of MQUS_TRANSMISSION. <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMGrName</i>. If these are correct, check the queue definitions.</p>
2093	X'82D'	<p>MQRC_NOT_OPEN_FOR_PASS_ALL</p> <p>Queue not open for pass all context.</p> <p>An MQPUT call was issued with the MQPMO_PASS_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_ALL_CONTEXT (or another option that implies it) when the queue is opened.</p>
2094	X'82E'	<p>MQRC_NOT_OPEN_FOR_PASS_IDENT</p> <p>Queue not open for pass identity context.</p> <p>An MQPUT call was issued with the MQPMO_PASS_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>

MQI return codes

2095	X'82F'	<p>MQRC_NOT_OPEN_FOR_SET_ALL</p> <p>Queue not open for set all context.</p> <p>An MQPUT call was issued with the MQPMO_SET_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_ALL_CONTEXT when the queue is opened.</p>
2096	X'830'	<p>MQRC_NOT_OPEN_FOR_SET_IDENT</p> <p>Queue not open for set identity context.</p> <p>An MQPUT call was issued with the MQPMO_SET_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>
2097	X'831'	<p>MQRC_CONTEXT_HANDLE_ERROR</p> <p>Queue handle referred to does not save context.</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> 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.</p> <p>Corrective action: Specify MQOO_SAVE_ALL_CONTEXT when the queue referred to is opened.</p>
2098	X'832'	<p>MQRC_CONTEXT_NOT_AVAILABLE</p> <p>Context not available for queue handle referred to.</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the queue handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> 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.</p> <p>This condition does not arise if the message that was last retrieved had no context associated with it.</p> <p>On OS/390, if a message is received by a message channel agent which is putting messages with the authority of the user identifier in the message, this code is returned in the <i>Feedback</i> field of an exception report if the message has no context associated with it.</p> <p>Corrective action: Ensure that a successful nonbrowse get call has been issued with the queue handle referred to.</p>
2099	X'833'	<p>MQRC_SIGNAL1_ERROR</p> <p>Signal field not valid.</p> <p>An MQGET call was issued, specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but the <i>Signal1</i> field is not valid.</p> <ul style="list-style-type: none"> • On OS/390, the address contained in the <i>Signal1</i> 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, the window handle in the <i>Signal1</i> field is not valid. <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: Correct the setting of the <i>Signal1</i> field.</p>

2100	X'834'	<p>MQRC_OBJECT_ALREADY_EXISTS</p> <p>Object already exists.</p> <p>An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists.</p> <p>On OS/390, 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.</p> <p>Corrective action: 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.</p> <p>If the queue manager is generating the name (either in part or in full), reissue the MQOPEN call.</p>
2101	X'835'	<p>MQRC_OBJECT_DAMAGED</p> <p>Object damaged.</p> <p>The object accessed by the call is damaged and cannot be used. For example, this might 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.</p> <p>The object cannot be used until the problem is corrected. The object can be deleted, although it might not be possible to delete the associated user space.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: It might be necessary to stop and restart the queue manager, or to restore the queue-manager data from back-up storage.</p> <p>On Digital OpenVMS, OS/2 Warp, OS/400, Tandem NSK, and UNIX platforms, consult the FFST™ record to obtain more detail about the problem.</p>
2102	X'836'	<p>MQRC_RESOURCE_PROBLEM</p> <p>Insufficient system resources available.</p> <p>There are insufficient system resources to complete the call successfully.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: Run the application when the machine is less heavily loaded.</p> <p>On Digital OpenVMS, OS/2 Warp, OS/400, Tandem NSK, and UNIX platforms, consult the FFST record to obtain more detail about the problem.</p>
2103	X'837'	<p>MQRC_ANOTHER_Q_MGR_CONNECTED</p> <p>Another queue manager already connected.</p> <p>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.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Use the MQDISC call to disconnect from the queue manager which is already connected, and then issue the MQCONN or MQCONNX call to connect to the new queue manager.</p> <p>Note: Disconnecting from the existing queue manager will close any queues which are currently open; it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is used.</p>

MQI return codes

2104	X'838'	<p>MQRC_UNKNOWN_REPORT_OPTION</p> <p>Report option(s) in message descriptor not recognized.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options which are not recognized by the local queue manager. The options are accepted.</p> <p>The options that cause this reason code to be returned depend on the destination of the message.</p> <p>Corrective action: If this reason code is expected, no corrective action is required.</p> <p>If this reason code is not expected, do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>Report</i> 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. 2. Ensure that the report options specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any report options which are not documented in this book. 3. If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. 4. Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2105	X'839'	<p>MQRC_STORAGE_CLASS_ERROR</p> <p>Storage class error.</p> <p>The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: 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 <i>StorageClass</i> queue attribute.</p>
2106	X'83A'	<p>MQRC_COD_NOT_VALID_FOR_XCF_Q</p> <p>COD report option not valid for XCF queue.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> 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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Remove the relevant MQRO_COD_* option.</p>
2107	X'83B'	<p>MQRC_XWAIT_CANCELED</p> <p>MQXWAIT call canceled.</p> <p>An MQXWAIT 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 <i>MQSeries Intercommunication</i> book for details of the MQXWAIT call.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Tidy up and terminate.</p>

2108	X'83C'	<p>MQRC_XWAIT_ERROR</p> <p>Invocation of MQXWAIT call not valid.</p> <p>An MQXWAIT call was issued, but the invocation was not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The wait descriptor MQXWD contains data which is not valid. • The linkage stack level is not valid. • The addressing mode is not valid. • There are too many wait events outstanding. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Obey the rules for using the MQXWAIT call. Refer to the <i>MQSeries Intercommunication</i> book for details of this call.</p>
2109	X'83D'	<p>MQRC_SUPPRESSED_BY_EXIT</p> <p>Call suppressed by exit program.</p> <p>On any call other than MQCONN or MQDISC, the API crossing exit suppressed the call.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Obey the rules for API calls that the exit enforces. To find out the rules, see the writer of the exit.</p>
2110	X'83E'	<p>MQRC_FORMAT_ERROR</p> <p>Message format not valid.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, one or both of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the message differs from the corresponding field in the <i>MsgDesc</i> parameter, but the message cannot be converted successfully due to an error associated with the message format. Possible errors include:</p> <ul style="list-style-type: none"> • A user-written exit with the name specified by the <i>Format</i> field in the message cannot be found. • The format name in the message is MQFMT_NONE. • The message contains data that is not consistent with the format definition. <p>The message is returned unconverted to the application issuing the MQGET call, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: 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.</p>

MQI return codes

2111	X'83F'	<p>MQRC_SOURCE_CCSID_ERROR</p> <p>Source coded character set identifier not valid.</p> <p>The coded character-set identifier from which character data is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the message being retrieved. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason can also occur on the MQXCNV call; the coded character-set identifier in error is the <i>SourceCCSID</i> parameter. Either the <i>SourceCCSID</i> parameter specifies a value which is not valid or not supported, or the <i>SourceCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified when the message was put, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNV 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.</p>
2112	X'840'	<p>MQRC_SOURCE_INTEGER_ENC_ERROR</p> <p>Source integer encoding not recognized.</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason code can also occur on the MQXCNV call, when the <i>Options</i> parameter contains an unsupported MQDCC_SOURCE_* value, or when MQDCC_SOURCE_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: 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.</p>

2113	X'841'	<p>MQRC_SOURCE_DECIMAL_ENC_ERROR</p> <p>Packed-decimal encoding in message not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: 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.</p>
2114	X'842'	<p>MQRC_SOURCE_FLOAT_ENC_ERROR</p> <p>Floating-point encoding in message not recognized.</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> 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 <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: 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.</p>
2115	X'843'	<p>MQRC_TARGET_CCSID_ERROR</p> <p>Target coded character set identifier not valid.</p> <p>The coded character-set identifier to which character data which is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>This reason can also occur on the MQXCNV call; the coded character-set identifier in error is the <i>TargetCCSID</i> parameter. Either the <i>TargetCCSID</i> parameter specifies a value which is not valid or not supported, or the <i>TargetCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified for the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter on the MQGET call, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNV 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.</p>

MQI return codes

2116	X'844'	<p>MQRC_TARGET_INTEGER_ENC_ERROR</p> <p>Target integer encoding not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message being retrieved, and the call completes with MQCC_WARNING.</p> <p>This reason code can also occur on the MQXCNVC call, when the <i>Options</i> parameter contains an unsupported MQDCC_TARGET_* value, or when MQDCC_TARGET_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: 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.</p>
2117	X'845'	<p>MQRC_TARGET_DECIMAL_ENC_ERROR</p> <p>Packed-decimal encoding specified by receiver not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: 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.</p>
2118	X'846'	<p>MQRC_TARGET_FLOAT_ENC_ERROR</p> <p>Floating-point encoding specified by receiver not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: 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.</p>

2119	X'847'	<p>MQRC_NOT_CONVERTED</p> <p>Application message data not converted.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, an error occurred during conversion of the data in the message. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This error might also indicate that a parameter to the data-conversion service is not supported.</p> <p>Corrective action: Check that the message data is correctly described by the <i>Format</i>, <i>CodedCharSetId</i> and <i>Encoding</i> parameters that were specified when the message was put. Also check that these values, and the <i>CodedCharSetId</i> and <i>Encoding</i> specified in the <i>MsgDesc</i> 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.</p>
2120	X'848'	<p>MQRC_CONVERTED_MSG_TOO_BIG</p> <p>Converted data too big for buffer.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> 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.</p> <p>The message is returned unconverted, with the <i>CompCode</i> 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 might 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.</p> <p>This reason can also occur on the MQXCNVC call, when the <i>TargetBuffer</i> 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 <i>DataLength</i> parameter; in the case of a DBCS string or mixed SBCS/DBCS string, this length might be <i>less than</i> the length of <i>TargetBuffer</i>.</p> <p>Corrective action: For the MQGET call, check that the exit is converting the message data correctly and setting the output length <i>DataLength</i> to the appropriate value. If it is, the application issuing the MQGET call must provide a larger buffer for the <i>Buffer</i> parameter.</p> <p>For the MQXCNVC call, if the string must be converted without truncation, provide a larger output buffer.</p>

MQI return codes

2121	X'849'	<p>MQRC_NO_EXTERNAL_PARTICIPANTS</p> <p>No participating resource managers registered.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: 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 support programmer to determine why the required resource managers have not been registered with the queue manager; the queue manager's configuration file might be in error.</p>
2122	X'84A'	<p>MQRC_PARTICIPANT_NOT_AVAILABLE</p> <p>Participating resource manager not available.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: 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 support programmer to determine why the required resource managers are not available. The resource manager might have been halted temporarily, or there might be an error in the queue manager's configuration file.</p>
2123	X'84B'	<p>MQRC_OUTCOME_MIXED</p> <p>Result of commit or back-out operation is mixed.</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: 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.</p> <p>Note: This reason code does not prevent the application initiating further units of work.</p>

2124	X'84C'	<p>MQRC_OUTCOME_PENDING</p> <p>Result of commit operation is pending.</p> <p>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.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: Use the normal error-reporting mechanisms to determine whether the outcome was mixed. If it was, take appropriate action to resynchronize the resources.</p> <p>Note: This reason code does not prevent the application initiating further units of work.</p>
2125	X'84D'	<p>MQRC_BRIDGE_STARTED</p> <p>Bridge started.</p> <p>The IMS bridge has been started.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2126	X'84E'	<p>MQRC_BRIDGE_STOPPED</p> <p>Bridge stopped.</p> <p>The IMS bridge has been stopped.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2127	X'84F'	<p>MQRC_ADAPTER_STORAGE_SHORTAGE</p> <p>Insufficient storage for adapter.</p> <p>On an MQCONN call, the adapter was unable to acquire storage.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Notify the system programmer.</p> <p>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.</p>
2128	X'850'	<p>MQRC_UOW_IN_PROGRESS</p> <p>Unit of work already started.</p> <p>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 might 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.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: 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.</p>

MQI return codes

2129	X'851'	<p>MQRC_ADAPTER_CONN_LOAD_ERROR</p> <p>Unable to load adapter connection module.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>
2130	X'852'	<p>MQRC_ADAPTER_SERV_LOAD_ERROR</p> <p>Unable to load adapter service module.</p> <p>On an API call, the batch adapter could not load the API service module CSQBSRV, and so could not link to it.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>
2131	X'853'	<p>MQRC_ADAPTER_DEFS_ERROR</p> <p>Adapter subsystem definition module not valid.</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) does not contain the required control block identifier.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Check your library concatenation. If this is correct, check that the CSQBDEFV or CSQQDEFV module contains the required subsystem ID.</p>
2132	X'854'	<p>MQRC_ADAPTER_DEFS_LOAD_ERROR</p> <p>Unable to load adapter subsystem definition module.</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) could not be loaded.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the MQSeries startup JCL.</p>
2133	X'855'	<p>MQRC_ADAPTER_CONV_LOAD_ERROR</p> <p>Unable to load data conversion services modules.</p> <p>On an MQGET call, the adapter (batch or IMS) could not load the data conversion services modules.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>

2134	X'856'	<p>MQRC_BO_ERROR</p> <p>Begin-options structure not valid.</p> <p>On an MQBEGIN call, the begin-options structure MQBO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQBO_STRUC_ID. • The <i>Version</i> 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. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQBO structure. Ensure that required input fields are set correctly.</p>
2135	X'857'	<p>MQRC_DH_ERROR</p> <p>Distribution header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the distribution header structure MQDH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQDH structure. Ensure that the fields are set correctly.</p>
2136	X'858'	<p>MQRC_MULTIPLE_REASONS</p> <p>Multiple reason codes returned.</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>

MQI return codes

2137	X'859'	<p>MQRC_OPEN_FAILED</p> <p>Queue not opened successfully.</p> <p>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 <i>Reason</i> field of the MQRN response record.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Examine the MQRN 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.</p>
2138	X'85A'	<p>MQRC_ADAPTER_DISC_LOAD_ERROR</p> <p>Unable to load adapter disconnection module.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the MQSeries startup JCL.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2139	X'85B'	<p>MQRC_CNO_ERROR</p> <p>Connect-options structure not valid.</p> <p>On an MQCONN call, the connect-options structure MQCNO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQCNO_STRUC_ID. • The <i>Version</i> field is not MQCNO_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 parameter pointer points to read-only storage. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCNO structure. Ensure that required input fields are set correctly.</p>
2140	X'85C'	<p>MQRC_CICS_WAIT_FAILED</p> <p>Wait request rejected by CICS.</p> <p>On any API call, the CICS adapter issued an EXEC CICS WAIT request, but the request was rejected by CICS.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: 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.</p>

2141	X'85D'	<p>MQRC_DLH_ERROR</p> <p>Dead letter header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the dead letter header structure MQDLH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQDLH structure. Ensure that the fields are set correctly.</p>
2142	X'85E'	<p>MQRC_HEADER_ERROR</p> <p>MQ header structure not valid.</p> <p>The MQPUT or MQPUT1 call was used to put a message containing an MQ header structure, but the header structure is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQ header structure. Ensure that the fields are set correctly.</p>
2143	X'85F'	<p>MQRC_SOURCE_LENGTH_ERROR</p> <p>Source length parameter not valid.</p> <p>On the MQXCNV call, the <i>SourceLength</i> 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 <i>SourceLength</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a length that is zero or greater.</p>
2144	X'860'	<p>MQRC_TARGET_LENGTH_ERROR</p> <p>Target length parameter not valid.</p> <p>On the MQXCNV call, the <i>TargetLength</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>TargetLength</i> is less than zero. • The <i>TargetLength</i> 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 <i>TargetLength</i> is such that the target buffer cannot be filled completely with valid characters. This can occur when <i>TargetCCSID</i> is a pure DBCS character set (such as UCS-2), but <i>TargetLength</i> specifies a length that is an odd number of bytes. <p>Corrective action: Specify a length that is zero or greater. If the MQDCC_FILL_TARGET_BUFFER option is specified, and <i>TargetCCSID</i> is a pure DBCS character set, ensure that <i>TargetLength</i> specifies a length that is a multiple of two.</p>
2145	X'861'	<p>MQRC_SOURCE_BUFFER_ERROR</p> <p>Source buffer parameter not valid.</p> <p>On the MQXCNV call, the <i>SourceBuffer</i> parameter pointer is not valid, or points to storage that cannot be accessed for the entire length specified by <i>SourceLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid buffer.</p>

MQI return codes

2146	X'862'	<p>MQRC_TARGET_BUFFER_ERROR</p> <p>Target buffer parameter not valid.</p> <p>On the MQXCNVC call, the <i>TargetBuffer</i> parameter pointer is not valid, or points to read-only storage, or to storage that cannot be accessed for the entire length specified by <i>TargetLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid buffer.</p>
2148	X'864'	<p>MQRC_IIH_ERROR</p> <p>IMS information header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the IMS information header structure MQIIH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQIIH structure. Ensure that the fields are set correctly.</p>
2149	X'865'	<p>MQRC_PCF_ERROR</p> <p>PCF structures not valid.</p> <p>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:</p> <p style="padding-left: 40px;">MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2150	X'866'	<p>MQRC_DBCS_ERROR</p> <p>DBCS string not valid.</p> <p>On the MQXCNVC call, the <i>SourceCCSID</i> parameter specifies the coded character-set identifier of a double-byte character set (DBCS), but the <i>SourceBuffer</i> parameter does not contain a valid DBCS string. This might be because the string contains characters which 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.</p> <p>Corrective action: Specify a valid string.</p>
2152	X'868'	<p>MQRC_OBJECT_NAME_ERROR</p> <p>Object name not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>

2153	X'869'	<p>MQRC_OBJECT_Q_MGR_NAME_ERROR</p> <p>Object queue-manager name not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectQMgrName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectQMgrName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2154	X'86A'	<p>MQRC_RECS_PRESENT_ERROR</p> <p>Number of records present not valid.</p> <p>An MQOPEN or MQPUT1 call was issued, but the call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>RecsPresent</i> in MQOD is less than zero. • <i>ObjectType</i> in MQOD is not MQOT_Q, and <i>RecsPresent</i> is not zero. <i>RecsPresent</i> must be zero if the object being opened is not a queue. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectType</i> field to MQOT_Q and <i>RecsPresent</i> to the number of destinations in the list. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2155	X'86B'	<p>MQRC_OBJECT_RECORDS_ERROR</p> <p>Object records not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQOR object records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ObjectRecOffset</i> is zero and <i>ObjectRecPtr</i> is the null pointer or zero. • <i>ObjectRecOffset</i> is not zero and <i>ObjectRecPtr</i> is neither the null pointer nor zero. • <i>ObjectRecPtr</i> is not a valid pointer. • <i>ObjectRecPtr</i> or <i>ObjectRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that one of <i>ObjectRecOffset</i> and <i>ObjectRecPtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>
2156	X'86C'	<p>MQRC_RESPONSE_RECORDS_ERROR</p> <p>Response records not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQRR response records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ResponseRecOffset</i> is not zero and <i>ResponseRecPtr</i> is neither the null pointer nor zero. • <i>ResponseRecPtr</i> is not a valid pointer. • <i>ResponseRecPtr</i> or <i>ResponseRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>ResponseRecOffset</i> and <i>ResponseRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>

MQI return codes

2157	X'86D'	<p>MQRC_ASID_MISMATCH</p> <p>Primary and home ASIDs differ.</p> <p>On any API call, the caller's primary ASID was found to be different from the home ASID.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Correct the application. MQM calls cannot be issued in cross-memory mode.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2158	X'86E'	<p>MQRC_PMO_RECORD_FLAGS_ERROR</p> <p>Put message record flags not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message, but the <i>PutMsgRecFields</i> field in the MQPMO structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The field contains flags which are not valid. • The message is being put to a distribution list, and put message records have been provided (that is, <i>RecsPresent</i> is greater than zero, and one of <i>PutMsgRecOffset</i> or <i>PutMsgRecPtr</i> is nonzero), but <i>PutMsgRecFields</i> has the value MQPMRF_NONE. • MQPMRF_ACCOUNTING_TOKEN is specified without either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that <i>PutMsgRecFields</i> 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 <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> to zero.</p>
2159	X'86F'	<p>MQRC_PUT_MSG_RECORDS_ERROR</p> <p>Put message records not valid.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>PutMsgRecOffset</i> is not zero and <i>PutMsgRecPtr</i> is neither the null pointer nor zero. • <i>PutMsgRecPtr</i> is not a valid pointer. • <i>PutMsgRecPtr</i> or <i>PutMsgRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>

2160	X'870'	<p>MQRC_CONN_ID_IN_USE</p> <p>Connection identifier already in use.</p> <p>On an MQCONN call, the connection identifier assigned by MQSeries 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:</p> <ul style="list-style-type: none"> • 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 <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to MQSeries do not conflict.</p>
2161	X'871'	<p>MQRC_Q_MGR QUIESCING</p> <p>Queue manager quiescing.</p> <p>The application attempted to connect to the queue manager, but the queue manager is in the quiescing state.</p> <p>On OS/400, and on OS/390 for CICS, the application either issued the MQCONN call, or issued the MQOPEN call when no connection was established.</p> <p>This reason code also occurs if the queue manager is in the quiescing state and an application issues one of the following calls:</p> <ul style="list-style-type: none"> • MQOPEN, with MQOO_FAIL_IF QUIESCING included in the <i>Options</i> parameter • MQGET, with MQGMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>GetMsgOpts</i> parameter • MQPUT or MQPUT1, with MQPMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>PutMsgOpts</i> parameter <p>Corrective action: The application should tidy up and stop. If the MQOO_FAIL_IF QUIESCING, MQPMO_FAIL_IF QUIESCING, and MQGMO_FAIL_IF QUIESCING options are not used, the application can continue working in order to complete and commit the current unit of work; but it should not start another unit of work.</p>
2162	X'872'	<p>MQRC_Q_MGR STOPPING</p> <p>Queue manager shutting down.</p> <p>A call has been issued when the queue manager is shutting down. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more message-queuing calls can be issued.</p> <p>On OS/390, the MQRC_CONNECTION_BROKEN reason might be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>Corrective action: The application should tidy up and stop. Applications should ensure that any uncommitted updates are backed out; any unit of work that is coordinated by the queue manager is backed out automatically.</p>

MQI return codes

2163	X'873'	<p>MQRC_DUPLICATE_RECOV_COORD</p> <p>Recovery coordinator already exists.</p> <p>On an MQCONN call, a recovery coordinator already exists for the connection name specified on the connection call issued by the adapter.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to MQSeries do not conflict.</p>
2173	X'87D'	<p>MQRC_PMO_ERROR</p> <p>Put-message options structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the MQPMO structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • 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. <p>Corrective action: Correct the definition of the MQPMO structure. Ensure that required input fields are correctly set.</p>
2183	X'887'	<p>MQRC_API_EXIT_LOAD_ERROR</p> <p>Unable to load API-crossing exit.</p> <p>The API-crossing exit module could not be linked.</p> <p>If this reason is returned when the API-crossing exit is invoked <i>after</i> the call has been executed, the call itself might have executed correctly.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified, and that the API-crossing exit module is executable and correctly named.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2184	X'888'	<p>MQRC_REMOTE_Q_NAME_ERROR</p> <p>Remote queue name not valid.</p> <p>On an MQOPEN or MQPUT1 call, one of the following occurred:</p> <ul style="list-style-type: none"> • A local definition of a remote queue (or an alias to one) was specified, but the <i>RemoteQName</i> attribute in the remote queue definition is entirely blank. Note that this error occurs even if the <i>XmitQName</i> in the definition is not blank. • The <i>ObjectQMgrName</i> field in the object descriptor was not blank and not the name of the local queue manager, but the <i>ObjectName</i> field is blank. <p>Corrective action: Alter the local definition of the remote queue and supply a valid remote queue name, or supply a nonblank <i>ObjectName</i> in the object descriptor, as appropriate.</p>

2185	X'889'	<p>MQRC_INCONSISTENT_PERSISTENCE</p> <p>Inconsistent persistence specification.</p> <p>The MQPUT call was issued to put a message that has a value for the <i>Persistence</i> field in MQMD that is different from the previous message put using that queue handle. This is not permitted when the MQPMO_LOGICAL_ORDER option is specified and there is already a current message group or logical message. All messages in a group and all segments in a logical message must be persistent, or all must be nonpersistent.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to ensure that all of the messages in the group or logical message are put with the same value for the <i>Persistence</i> field in MQMD.</p>
2186	X'88A'	<p>MQRC_GMO_ERROR</p> <p>Get-message options structure not valid.</p> <p>On an MQGET call, the MQGMO structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • 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. <p>Corrective action: Correct the definition of the MQGMO structure. Ensure that required input fields are correctly set.</p>
2187	X'88B'	<p>MQRC_CICS_BRIDGE_RESTRICTION</p> <p>Requested function not supported by CICS bridge.</p> <p>It is not permitted to use the MQI from user transactions that are run in an MQSeries-CICS bridge environment where the bridge exit also uses the MQI. The MQI request fails. If this occurs in the bridge exit, it will result in a transaction abend. If it occurs in the user transaction, this might result in a transaction abend.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The transaction cannot be run using the MQSeries-CICS bridge. Refer to the appropriate CICS manual for information about restrictions in the MQSeries-CICS bridge environment.</p>
2188	X'88C'	<p>MQRC_STOPPED_BY_CLUSTER_EXIT</p> <p>Call rejected by cluster-workload exit.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly. Determine why it rejected the call and correct the problem.</p>

MQI return codes

2189	X'88D'	<p>MQRC_CLUSTER_RESOLUTION_ERROR</p> <p>Cluster name resolution failed.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check that the repository manager is operating and that the queue and channel definitions are correct.</p>
2190	X'88E'	<p>MQRC_CONVERTED_STRING_TOO_BIG</p> <p>Converted string too big for field.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> 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 not enough characters that could be discarded.</p> <p>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).</p> <p>The message is returned unconverted, with the <i>CompCode</i> 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 might 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.</p> <p>This reason code does not occur if the string could be made to fit by discarding trailing blank characters.</p> <p>Corrective action: 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.</p>
2191	X'88F'	<p>MQRC_TMC_ERROR</p> <p>Character trigger message structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the character trigger message structure MQTMC or MQTMC2 in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQTMC or MQTMC2 structure. Ensure that the fields are set correctly.</p>
2192	X'890'	<p>MQRC_PAGESET_FULL</p> <p>Page set data set full.</p> <p>On an MQOPEN, MQPUT or MQPUT1 call, a page set data set was found to be full while attempting to open or put a message on a locally defined queue.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Check which queues contain messages and look for any looping programs that might be unnecessarily filling up queues. Otherwise, request the system programmer to increase the size of the page set data sets.</p>

2193	X'891'	<p>MQRC_PAGESET_ERROR</p> <p>Error accessing page set data set.</p> <p>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 ID is ABCDEFG, the message is:</p> <pre>CSQI041I JOB TEST USER ABCDEFG HAD ERROR ACCESSING PAGE SET 27</pre> <p>If this reason code occurs while attempting to delete a dynamic queue with MQCLOSE, the dynamic queue has not been deleted.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: 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:</p> <ul style="list-style-type: none"> • Collect the following diagnostic information: <ul style="list-style-type: none"> – 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 MQSeries • Attempt to re-create the problem, and take a system dump immediately after the error occurs • Contact your IBM Support Center
2194	X'892'	<p>MQRC_NAME_NOT_VALID_FOR_TYPE</p> <p>Object name not valid for object type.</p> <p>An MQOPEN call was issued to open the queue manager definition, but the <i>ObjectName</i> field in the <i>ObjDesc</i> parameter is not blank.</p> <p>Corrective action: Ensure that the <i>ObjectName</i> field is set to blanks.</p>
2195	X'893'	<p>MQRC_UNEXPECTED_ERROR</p> <p>Unexpected error occurred.</p> <p>The call was rejected because an unexpected error occurred.</p> <p>Corrective Action: 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.</p> <ul style="list-style-type: none"> • On OS/390, check whether any information has been displayed on the console. If this error occurs on an MQCONN 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 Warp and OS/400, consult the FFST record to obtain more detail about the problem. • On Digital OpenVMS, Tandem NSK, and UNIX platforms, consult the FDC file to obtain more detail about the problem.

MQI return codes

2196	X'894'	<p>MQRC_UNKNOWN_XMIT_Q</p> <p>Unknown transmission queue.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or the <i>ObjectQMGrName</i> 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 <i>XmitQName</i> attribute of the definition is not blank and not the name of a locally-defined queue.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMGrName</i>. If these are correct, check the queue definitions. For more information on transmission queues, see the <i>MQSeries Application Programming Guide</i>.</p>
2197	X'895'	<p>MQRC_UNKNOWN_DEF_XMIT_Q</p> <p>Unknown default transmission queue.</p> <p>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 <i>XmitQName</i> attribute in the local definition is blank.</p> <p>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 <i>DefXmitQName</i> queue-manager attribute is not the name of a locally-defined queue.</p> <p>Corrective Action: Correct the queue definitions, or the queue-manager attribute. See the <i>MQSeries Application Programming Guide</i> for more information.</p>
2198	X'896'	<p>MQRC_DEF_XMIT_Q_TYPE_ERROR</p> <p>Default transmission queue not local.</p> <p>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 <i>XmitQName</i> attribute in the local definition is blank.</p> <p>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 <i>DefXmitQName</i> queue-manager attribute, it is not a local queue.</p> <p>Corrective Action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name which is the same as that of the remote queue manager. • Specify a local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. <p>See the <i>MQSeries Application Programming Guide</i>. for more information.</p>

2199	X'897'	<p>MQRC_DEF_XMIT_Q_USAGE_ERROR</p> <p>Default transmission queue usage error.</p> <p>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 <i>XmitQName</i> attribute in the local definition is blank.</p> <p>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 <i>DefXmitQName</i> queue-manager attribute does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION.</p> <p>Corrective Action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name which is the same as that of the remote queue manager. • Specify a different local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. • Change the <i>Usage</i> attribute of the <i>DefXmitQName</i> queue to MQUS_TRANSMISSION. <p>See the <i>MQSeries Application Programming Guide</i>. for more information.</p>
2201	X'899'	<p>MQRC_NAME_IN_USE</p> <p>Name in use.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: 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.</p>
2202	X'89A'	<p>MQRC_CONNECTION QUIESCING</p> <p>Connection quiescing.</p> <p>This reason code is issued for CICS and IMS applications when the connection to the queue manager is in quiescing state, and an application issues one of the following calls:</p> <ul style="list-style-type: none"> • MQCONN • MQOPEN, with no connection established, or with MQOO_FAIL_IF QUIESCING included in the <i>Options</i> parameter • MQGET, with MQGMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>GetMsgOpts</i> parameter • MQPUT or MQPUT1, with MQPMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>PutMsgOpts</i> parameter <p>MQRC_CONNECTION QUIESCING is also issued by the message channel agent (MCA) when the queue manager is in quiescing state.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p>

MQI return codes

2203	X'89B'	<p>MQRC_CONNECTION_STOPPING</p> <p>Connection shutting down.</p> <p>This reason code is issued for CICS and IMS applications when the application issues any call but the connection to the queue manager is shutting down. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more message-queuing calls can be issued.</p> <p>Note that the MQRC_CONNECTION_BROKEN reason might be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>MQRC_CONNECTION_STOPPING is also issued by the message channel agent (MCA) when the queue manager is shutting down.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2204	X'89C'	<p>MQRC_ADAPTER_NOT_AVAILABLE</p> <p>Adapter not available.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2206	X'89E'	<p>MQRC_MSG_ID_ERROR</p> <p>Message-identifier error.</p> <p>On an MQGET call, the <i>MsgId</i> field is not zero. Selective retrieval by message identifier is not supported.</p> <p>Corrective action: Ensure that the <i>MsgId</i> field is zero.</p>
2207	X'89F'	<p>MQRC_CORREL_ID_ERROR</p> <p>Correlation-identifier error.</p> <p>On an MQGET call, the <i>CorrelId</i> field is not zero. Selective retrieval by correlation identifier is not supported.</p> <p>Corrective action: Ensure that the <i>CorrelId</i> field is zero.</p>
2208	X'8A0'	<p>MQRC_FILE_SYSTEM_ERROR</p> <p>File-system error.</p> <p>An unexpected return code was received from the file system, in attempting to perform an operation on a queue.</p> <p>This reason code occurs only on VSE/ESA.</p> <p>Corrective action: 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.</p>

2209	X'8A1'	<p>MQRC_NO_MSG_LOCKED</p> <p>No message locked.</p> <p>An MQGET call was issued with the MQGMO_UNLOCK option, but no message was currently locked.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: 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.</p>
2217	X'8A9'	<p>MQRC_CONNECTION_NOT_AUTHORIZED</p> <p>Not authorized for connection.</p> <p>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.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the subsystem is authorized to connect to the queue manager.</p>
2218	X'8AA'	<p>MQRC_MSG_TOO_BIG_FOR_CHANNEL</p> <p>Message length greater than maximum for channel.</p> <p>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 <i>Feedback</i> field in the message descriptor of a report message.</p> <p>On OS/390, 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.</p> <p>Corrective action: Check the channel definitions. Increase the maximum message length that the channel can accept, or break the message into several smaller messages.</p>
2219	X'8AB'	<p>MQRC_CALL_IN_PROGRESS</p> <p>MQI call reentered before previous call complete.</p> <p>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.</p> <p>Concurrent calls can arise only in certain specialized situations, such as in an exit invoked as part of the processing of an MQI call. For example, the data-conversion exit might be invoked as part of the processing of the MQGET call.</p> <ul style="list-style-type: none"> • On OS/390, 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 which is waiting), and there is an end-of-task exit routine that issues another MQI call. • On OS/2 Warp, Windows clients, and Windows NT concurrent calls can also arise if an MQI call is issued in response to a user message while another MQI call is in progress. <p>Corrective action: Ensure that an MQI call cannot be issued while another one is active. Do not issue MQI calls from within a data-conversion exit.</p> <p>On OS/390, if you want to provide a subtask to allow an application that is waiting for a message to arrive to be canceled, use MQGET with MQGMO_SET_SIGNAL, rather than with MQGMO_WAIT, to wait for the message.</p>

MQI return codes

2220	X'8AC'	<p>MQRC_RMH_ERROR</p> <p>Reference message header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the reference message header structure MQRMH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQRMH structure. Ensure that the fields are set correctly.</p>
2222	X'8AE'	<p>MQRC_Q_MGR_ACTIVE</p> <p>Queue manager created.</p> <p>This condition is detected when a queue manager becomes active.</p> <p>On OS/390, this event is not generated for the first start of a queue manager, only on subsequent restarts.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2223	X'8AE'	<p>MQRC_Q_MGR_NOT_ACTIVE</p> <p>Queue manager unavailable.</p> <p>This condition is detected when a queue manager is requested to stop or quiesce.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2224	X'8B0'	<p>MQRC_Q_DEPTH_HIGH</p> <p>Queue depth high limit reached or exceeded.</p> <p>An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the <i>QDepthHighLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2225	X'8B1'	<p>MQRC_Q_DEPTH_LOW</p> <p>Queue depth low limit reached or exceeded.</p> <p>An MQGET call has caused the queue depth to be decremented to or below the limit specified in the <i>QDepthLowLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2226	X'8B2'	<p>MQRC_Q_SERVICE_INTERVAL_HIGH</p> <p>Queue service interval high.</p> <p>No successful gets or puts have been detected within an interval which is greater than the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2227	X'8B3'	<p>MQRC_Q_SERVICE_INTERVAL_OK</p> <p>Queue service interval ok.</p> <p>A successful get has been detected within an interval which is less than or equal to the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

2232	X'8B8'	<p>MQRC_UNIT_OF_WORK_NOT_STARTED</p> <p>Unit of work not started.</p> <p>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.</p> <p>Corrective action: 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.</p>
2233	X'8B9'	<p>MQRC_CHANNEL_AUTO_DEF_OK</p> <p>Automatic channel definition succeeded.</p> <p>This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2234	X'8BA'	<p>MQRC_CHANNEL_AUTO_DEF_ERROR</p> <p>Automatic channel definition failed.</p> <p>This condition is detected when the automatic definition of a channel fails; this might 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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Examine the additional information returned in the event message to determine the reason for the failure.</p>
2235	X'8BB'	<p>MQRC_CFH_ERROR</p> <p>PCF header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF header structure MQCFH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFH structure. Ensure that the fields are set correctly.</p>
2236	X'8BC'	<p>MQRC_CFIL_ERROR</p> <p>PCF integer list parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF integer list parameter structure MQCFIL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFIL structure. Ensure that the fields are set correctly.</p>

MQI return codes

2237	X'8BD'	<p>MQRC_CFIN_ERROR</p> <p>PCF integer parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF integer parameter structure MQCFIN in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFIN structure. Ensure that the fields are set correctly.</p>
2238	X'8BE'	<p>MQRC_CFSL_ERROR</p> <p>PCF string list parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF string list parameter structure MQCFSL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFSL structure. Ensure that the fields are set correctly.</p>
2239	X'8BF'	<p>MQRC_CFST_ERROR</p> <p>PCF string parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF string parameter structure MQCFST in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFST structure. Ensure that the fields are set correctly.</p>
2241	X'8C1'	<p>MQRC_INCOMPLETE_GROUP</p> <p>Message group not complete.</p> <p>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:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application attempts to put a message which is not in a group and specifies MQPMO_LOGICAL_ORDER. The call fails in this case. • On the MQPUT call, when the application attempts to put a message which is not the next one in the group, does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQGET call, when the application attempts to get a message which is not the next one in the group, does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete message group. The call succeeds with completion code MQCC_WARNING. <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>

2242	X'8C2'	<p>MQRC_INCOMPLETE_MSG</p> <p>Logical message not complete.</p> <p>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:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application attempts to put a message which is not a segment and specifies MQPMO_LOGICAL_ORDER. The call fails in this case. • On the MQPUT call, when the application attempts to put a message which is not the next segment, does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQGET call, when the application attempts to get a message which is not the next segment, does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete logical message. The call succeeds with completion code MQCC_WARNING. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2243	X'8C3'	<p>MQRC_INCONSISTENT_CCSDS</p> <p>Message segments have differing CCSIDs.</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments which have differing values for the <i>CodedCharSetId</i> 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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>
2244	X'8C4'	<p>MQRC_INCONSISTENT_ENCODINGS</p> <p>Message segments have differing encodings.</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments which have differing values for the <i>Encoding</i> 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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>

MQI return codes

2245	X'8C5'	<p>MQRC_INCONSISTENT_UOW</p> <p>Inconsistent unit-of-work specification.</p> <p>One of the following applies:</p> <ul style="list-style-type: none"> 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. <p>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.</p> <ul style="list-style-type: none"> 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. <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2246	X'8C6'	<p>MQRC_INVALID_MSG_UNDER_CURSOR</p> <p>Message under cursor not valid for retrieval.</p> <p>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 <i>Offset</i> field that is greater than zero. Because MQGMO_COMPLETE_MSG was specified, the message is not valid for retrieval.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Reposition the browse cursor so that it is located on a message whose <i>Offset</i> field in MQMD is zero. Alternatively, remove the MQGMO_COMPLETE_MSG option.</p>

2247	X'8C7'	<p>MQRC_MATCH_OPTIONS_ERROR</p> <p>Match options not valid.</p> <p>An MQGET call was issued, but the value of the <i>MatchOptions</i> field in the <i>GetMsgOpts</i> parameter is not valid. Either an undefined option is specified, or a defined option which is not valid in the current circumstances is specified. In the latter case, it means that all of the following are true:</p> <ul style="list-style-type: none"> • MQGMO_LOGICAL_ORDER is specified. • There is a current message group or logical message for the queue handle. • Neither of the following options is specified: <ul style="list-style-type: none"> MQGMO_BROWSE_MSG_UNDER_CURSOR MQGMO_MSG_UNDER_CURSOR • One or more of the MQMO_* options is specified. • The values of the fields in the <i>MsgDesc</i> parameter corresponding to the MQMO_* options specified, differ from the values of those fields in the MQMD for the message to be returned next. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that only valid options are specified for the field.</p>
2248	X'8C8'	<p>MQRC_MDE_ERROR</p> <p>Message descriptor extension not valid.</p> <p>The MQMDE structure at the start of the application message data is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQMDE_STRUC_ID. • The <i>Version</i> field is less than MQMDE_VERSION_2. • The <i>StrucLength</i> field is less than MQMDE_LENGTH_2, or (for <i>Version</i> equal to MQMDE_VERSION_2 only) greater than MQMDE_LENGTH_2. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the message descriptor extension. Ensure that required input fields are correctly set.</p>

MQI return codes

2249	X'8C9'	<p>MQRC_MSG_FLAGS_ERROR</p> <p>Message flags not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>MsgFlags</i> field in the message descriptor MQMD contains one or more message flags which 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.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> 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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>MsgFlags</i> 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. 2. Ensure that the message flags specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any message flags which are not documented in this book. 3. If multiple message flags are being set by adding the individual message flags together, ensure that the same message flag is not added twice.
2250	X'8CA'	<p>MQRC_MSG_SEQ_NUMBER_ERROR</p> <p>Message sequence number not valid.</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued, but the value of the <i>MsgSeqNumber</i> field in the MQMD or MQMDE structure is less than one or greater than 999 999 999.</p> <p>This error can also occur on the MQPUT call if the <i>MsgSeqNumber</i> field would have become greater than 999 999 999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2251	X'8CB'	<p>MQRC_OFFSET_ERROR</p> <p>Message segment offset not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the value of the <i>Offset</i> field in the MQMD or MQMDE structure is less than zero or greater than 999 999 999.</p> <p>This error can also occur on the MQPUT call if the <i>Offset</i> field would have become greater than 999 999 999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify a value in the range 0 through 999 999 999. Do not attempt to create a message segment which would extend beyond an offset of 999 999 999.</p>

2252	X'8CC'	<p>MQRC_ORIGINAL_LENGTH_ERROR</p> <p>Original length not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a report message which is reporting on a segment, but the <i>OriginalLength</i> field in the MQMD or MQMDE structure is either:</p> <ul style="list-style-type: none"> • Less than one (for a segment which is not the last segment), or • Less than zero (for a segment which is the last segment) <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify a value which is greater than zero. Zero is valid only for the last segment.</p>
2253	X'8CD'	<p>MQRC_SEGMENT_LENGTH_ZERO</p> <p>Length of data in message segment is zero.</p> <p>An MQPUT or MQPUT1 call was issued to put the first or intermediate segment of a logical message, but the length of the application message data in the segment (excluding any MQ headers that might be present) is zero. The length must be at least one for the first or intermediate segment.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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 zero length.</p>
2255	X'8CF'	<p>MQRC_UOW_NOT_AVAILABLE</p> <p>Unit of work not available for the queue manager to use.</p> <p>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.</p> <p>This reason occurs in the following circumstances:</p> <ul style="list-style-type: none"> • 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. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2256	X'8D0'	<p>MQRC_WRONG_GMO_VERSION</p> <p>Wrong version of MQGMO supplied.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to pass a version-2 MQGMO. Check the application logic to ensure that the <i>Version</i> field in MQGMO has been set to MQGMO_VERSION_2. Alternatively, remove the option that requires the version-2 MQGMO.</p>

MQI return codes

2257	X'8D1'	<p>MQRC_WRONG_MD_VERSION</p> <p>Wrong version of MQMD supplied.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to pass a version-2 MQMD. Check the application logic to ensure that the <i>Version</i> field in MQMD has been set to MQMD_VERSION_2. Alternatively, remove the option that requires the version-2 MQMD.</p>
2258	X'8D2'	<p>MQRC_GROUP_ID_ERROR</p> <p>Group identifier not valid.</p> <p>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:</p> <ul style="list-style-type: none"> • MQPMO_LOGICAL_ORDER is not specified in the <i>Options</i> field in MQPMO. • Either there are too few MQPMR records provided by MQPMO, or the <i>GroupId</i> field is not present in the MQPMR records. • One or more of the following flags is specified in the <i>MsgFlags</i> field in MQMD or MQMDE: <ul style="list-style-type: none"> MQMF_SEGMENTATION_ALLOWED MQMF_*_MSG_IN_GROUP MQMF_*_SEGMENT • The <i>GroupId</i> field in MQMD or MQMDE is not MQGI_NONE. <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify MQGI_NONE for the <i>GroupId</i> field in MQMD or MQMDE. Alternatively, if the call is MQPUT specify MQPMO_LOGICAL_ORDER in the <i>Options</i> field in MQPMO.</p>
2259	X'8D3'	<p>MQRC_INCONSISTENT_BROWSE</p> <p>Inconsistent browse specification.</p> <p>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.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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, and either omit or specify MQGMO_LOGICAL_ORDER as desired.</p>

2260	X'8D4'	<p>MQRC_XQH_ERROR</p> <p>Transmission queue header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the transmission queue header structure MQXQH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQXQH structure. Ensure that the fields are set correctly.</p>
2261	X'8D5'	<p>MQRC_SRC_ENV_ERROR</p> <p>Source environment data error.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>SrcEnvLength</i> is less than zero. • Source environment data is not present although <i>SrcEnvLength</i> is greater than zero. • The range defined by <i>SrcEnvOffset</i> and <i>SrcEnvLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the source environment data correctly.</p>
2262	X'8D6'	<p>MQRC_SRC_NAME_ERROR</p> <p>Source name data error.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>SrcNameLength</i> is less than zero. • Source name data is not present although <i>SrcNameLength</i> is greater than zero. • The range defined by <i>SrcNameOffset</i> and <i>SrcNameLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the source name data correctly.</p>

MQI return codes

2263	X'8D7'	<p>MQRC_DEST_ENV_ERROR</p> <p>Destination environment data error.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>DestEnvLength</i> is less than zero. • Destination environment data is not present although <i>DestEnvLength</i> is greater than zero. • The range defined by <i>DestEnvOffset</i> and <i>DestEnvLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the destination environment data correctly.</p>
2264	X'8D8'	<p>MQRC_DEST_NAME_ERROR</p> <p>Destination name data error.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>DestNameLength</i> is less than zero. • Destination name data is not present although <i>DestNameLength</i> is greater than zero. • The range defined by <i>DestNameOffset</i> and <i>DestNameLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the destination name data correctly.</p>
2265	X'8D9'	<p>MQRC_TM_ERROR</p> <p>Trigger message structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the trigger message structure MQTM in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQTM structure. Ensure that the fields are set correctly.</p>

2266	X'8DA'	<p>MQRC_CLUSTER_EXIT_ERROR</p> <p>Cluster workload exit failed.</p> <p>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 <i>ClusterWorkloadExit</i> attribute failed unexpectedly or did not respond in time. Subsequent MQOPEN, MQPUT, and MQPUT1 calls for this queue handle will be processed as though the <i>ClusterWorkloadExit</i> attribute were blank.</p> <p>On OS/390, a message (CSQV455 or CSQV456) is written to the system log giving more information about the error.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly.</p>
2267	X'8DB'	<p>MQRC_CLUSTER_EXIT_LOAD_ERROR</p> <p>Unable to load cluster workload exit.</p> <p>An MQCONN or MQCONNX call was issued to connect to a queue manager, but the call failed because the cluster workload exit defined by the queue-manager's <i>ClusterWorkloadExit</i> attribute could not be loaded.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>On OS/390, if the cluster workload exit cannot be loaded, a message (CSQV453) is written to the system log and processing continues as though the <i>ClusterWorkloadExit</i> attribute had been blank.</p> <p>Corrective action: Ensure that the cluster workload exit has been installed in the correct location.</p>
2269	X'8DD'	<p>MQRC_CLUSTER_RESOURCE_ERROR</p> <p>Cluster resource error.</p> <p>An error occurred whilst trying to use a resource required for clustering.</p> <p>This reason code occurs in the following environments: AIX, DOS client, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows Client, Windows NT.</p> <p>Corrective action: On OS/390:</p> <ul style="list-style-type: none"> • Check the console for signs of the failure, such as full page sets. <p>In all environments:</p> <ul style="list-style-type: none"> • 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 might give guidance as to the nature of the failure. • Check that the repository queue manager is available.

MQI return codes

2270	X'8DE'	<p>MQRC_NO_DESTINATIONS_AVAILABLE</p> <p>No destination queues available.</p> <p>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.</p> <p>This situation can occur when MQOO_BIND_NONE is specified on the MQOPEN call that opens the queue, or MQPUT1 is used to put the message.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: 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.</p>
2273	X'8E1'	<p>MQRC_CONNECTION_ERROR</p> <p>Error processing MQCONN call.</p> <p>An MQCONN call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • The system parameter module is not at the same release level as the queue manager. • An internal error was detected by the queue manager. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Relinkedit the system parameter module (CSQZPARM) to ensure that it is at the correct level. If the problem persists, contact your IBM support center.</p>
2274	X'8E2'	<p>MQRC_OPTION_ENVIRONMENT_ERROR</p> <p>Option not valid in environment.</p> <p>An MQGET call with the MQGMO_MARK_SKIP_BACKOUT option specified was issued from a DB/2 Stored Procedure. The call failed because the MQGMO_MARK_SKIP_BACKOUT option cannot be used from a DB/2 Stored Procedure.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Remove the MQGMO_MARK_SKIP_BACKOUT option from the MQGET call.</p>
2277	X'8E5'	<p>MQRC_CD_ERROR</p> <p>Channel definition not valid.</p> <p>An MQCONN call was issued to connect to a queue manager, but the MQCD channel definition structure addressed by the <i>ClientConnOffset</i> or <i>ClientConnPtr</i> field in MQCNO contains data that is not valid. Consult the MQSeries error log for more information about the nature of the error.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that required input fields in the MQCD structure are set correctly.</p>

2278	X'8E6'	<p>MQRC_CLIENT_CONN_ERROR</p> <p>Client connection fields not valid.</p> <p>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:</p> <ul style="list-style-type: none"> • <i>ClientConnOffset</i> is not zero and <i>ClientConnPtr</i> is neither the null pointer nor zero. • <i>ClientConnPtr</i> is not a valid pointer. • <i>ClientConnPtr</i> or <i>ClientConnOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>ClientConnOffset</i> and <i>ClientConnPtr</i> is zero. Ensure that the field used points to accessible storage.</p>
2279	X'8E7'	<p>MQRC_CHANNEL_STOPPED_BY_USER</p> <p>Channel stopped by user.</p> <p>This condition is detected when the channel has been stopped by an operator. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2280	X'8E8'	<p>MQRC_HCONFIG_ERROR</p> <p>Configuration handle not valid.</p> <p>The configuration handle <i>Hconfig</i> specified on the MQZEP call is not valid.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Specify the configuration handle that was provided to the service configuration function on the component initialization call. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2281	X'8E9'	<p>MQRC_FUNCTION_ERROR</p> <p>Function identifier not valid for service.</p> <p>The function identifier <i>Function</i> specified on the MQZEP call is not valid for the service being configured.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Specify an MQZID_* value that is valid for the service being configured. Refer to the description of the MQZEP call in the <i>MQSeries Programmable System Management</i> book to determine which values are valid.</p>
2282	X'8EA'	<p>MQRC_CHANNEL_STARTED</p> <p>Channel started.</p> <p>One of the following has occurred:</p> <ul style="list-style-type: none"> • An operator has issued a Start Channel command. • An instance of a channel has been successfully established. <p>This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary such that message transfer can proceed.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

MQI return codes

2283	X'8EB'	<p>MQRC_CHANNEL_STOPPED</p> <p>Channel stopped.</p> <p>This condition is detected when the channel has been stopped. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2284	X'8EC'	<p>MQRC_CHANNEL_CONV_ERROR</p> <p>Channel conversion error.</p> <p>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.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2285	X'8ED'	<p>MQRC_SERVICE_NOT_AVAILABLE</p> <p>Underlying service not available.</p> <p>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.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Make the underlying service available.</p>
2286	X'8EE'	<p>MQRC_INITIALIZATION_FAILED</p> <p>Initialization failed for an undefined reason.</p> <p>This reason should be returned by an installable service component when the component is unable to complete initialization successfully.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2287	X'8FF'	<p>MQRC_TERMINATION_FAILED</p> <p>Termination failed for an undefined reason.</p> <p>This reason should be returned by an installable service component when the component is unable to complete termination successfully.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2288	X'8F0'	<p>MQRC_UNKNOWN_Q_NAME</p> <p>Queue name not found.</p> <p>This reason should be returned by the MQZ_LOOKUP_NAME installable service component when the name specified for the <i>QName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2289	X'8F1'	<p>MQRC_SERVICE_ERROR</p> <p>Unexpected error occurred accessing service.</p> <p>This reason should be returned by an installable service component when the component encounters an unexpected error.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>

2290	X'8F2'	<p>MQRC_Q_ALREADY_EXISTS</p> <p>Queue object already exists.</p> <p>This reason should be returned by the MQZ_INSERT_NAME installable service component when the queue specified by the <i>QName</i> parameter is already defined to the name service.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this installable service.</p>
2291	X'8F3'	<p>MQRC_USER_ID_NOT_AVAILABLE</p> <p>Unable to determine the user ID.</p> <p>This reason should be returned by the MQZ_FIND_USERID installable service component when the user ID cannot be determined.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2292	X'8F4'	<p>MQRC_UNKNOWN_ENTITY</p> <p>Entity unknown to service.</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>EntityName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2293	X'8F5'	<p>MQRC_UNKNOWN_AUTH_ENTITY</p> <p>Authorization entity unknown to service.</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>AuthEntityName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2294	X'8F6'	<p>MQRC_COMMAND_TYPE_ERROR</p> <p>Reference object unknown.</p> <p>This reason should be returned by the MQZ_COPY_ALL_AUTHORITY installable service component when the name specified by the <i>RefObjectName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the reference object is defined. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2295	X'8F7'	<p>MQRC_UNKNOWN_REF_OBJECT</p> <p>Channel activated.</p> <p>This condition is detected when a channel which 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.</p> <p>This event is not generated for a channel which is able to become active without waiting for an active slot to be released.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

MQI return codes

2296	X'8F8'	<p>MQRC_CHANNEL_ACTIVATED</p> <p>Channel cannot be activated.</p> <p>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 (see the MaxActiveChannels parameter in the qm.ini file, or, for MVS/ESA see the ACTCHL parameter in CSQXPARM). 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.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2297	X'8F9'	<p>MQRC_CHANNEL_NOT_ACTIVATED</p> <p>Unit of work canceled.</p> <p>An MQ call was issued, but the unit of work (TM/MP transaction) being used for the MQ operation had been canceled. This might 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 MQSeries resources are backed out.</p> <p>Corrective action: Refer to the operating system's <i>Transaction Management Operations Guide</i> to determine how the Transaction Manager can be tuned to avoid the problem of system limits being exceeded.</p>
2299	X'8FB'	<p>MQRC_UOW_CANCELED</p> <p>Selector has wrong data type.</p> <p>The <i>Selector</i> parameter has the wrong data type; it must be of type Long.</p> <p>Corrective action: Declare the <i>Selector</i> parameter as Long.</p>
2300	X'8FC'	<p>MQRC_SELECTOR_TYPE_ERROR</p> <p>Command type not valid.</p> <p>The mqExecute call was issued, but the value of the MQIASY_TYPE data item in the administration bag is not MQCFT_COMMAND.</p> <p>Corrective action: Ensure that the MQIASY_TYPE data item in the administration bag has the value MQCFT_COMMAND.</p>
2301	X'8FD'	<p>MQRC_MULTIPLE_INSTANCE_ERROR</p> <p>Multiple instances of system data item not valid.</p> <p>The <i>Selector</i> parameter specifies a system selector (one of the MQIASY_* values), but the value of the <i>ItemIndex</i> parameter is not MQIND_NONE. Only one instance of each system selector can exist in the bag.</p> <p>Corrective action: Specify MQIND_NONE for the <i>ItemIndex</i> parameter.</p>
2302	X'8FE'	<p>MQRC_SYSTEM_ITEM_NOT_ALTERABLE</p> <p>System data item is read-only and cannot be altered.</p> <p>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.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>

2303	X'8FF'	<p>MQRC_BAG_CONVERSION_ERROR</p> <p>Data could not be converted into a bag.</p> <p>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.</p> <p>Corrective action: Check the logic of the application that created the buffer or message to ensure that the buffer or message contains valid PCF.</p> <p>If the message contains PCF that is not valid, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • 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	X'900'	<p>MQRC_SELECTOR_OUT_OF_RANGE</p> <p>Selector not within valid range for call.</p> <p>The <i>Selector</i> parameter has a value that is outside the valid range for the call. If the bag was created with the MQCBO_CHECK_SELECTORS option:</p> <ul style="list-style-type: none"> • 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. <p>If the bag was not created with the MQCBO_CHECK_SELECTORS option:</p> <ul style="list-style-type: none"> • The value must be zero or greater. <p>Corrective action: Specify a valid value.</p>
2305	X'901'	<p>MQRC_SELECTOR_NOT_UNIQUE</p> <p>Selector occurs more than once in bag.</p> <p>The <i>ItemIndex</i> parameter has the value MQIND_NONE, but the bag contains more than one data item with the selector value specified by the <i>Selector</i> parameter. MQIND_NONE requires that the bag contain only one occurrence of the specified selector.</p> <p>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.</p> <p>Corrective action: Check the logic of the application that created the bag. If correct, specify for <i>ItemIndex</i> a value that is zero or greater, and add application logic to process all of the occurrences of the selector in the bag.</p> <p>Review the description of the administration command being issued, and ensure that all required parameters are defined correctly in the bag.</p>
2306	X'902'	<p>MQRC_INDEX_NOT_PRESENT</p> <p>Index not present in bag for specified selector.</p> <p>The bag contains one or more data items that have the selector value specified by the <i>Selector</i> parameter, but none of them has the index value specified by the <i>ItemIndex</i> parameter. The data item identified by the <i>Selector</i> and <i>ItemIndex</i> parameters must exist in the bag.</p> <p>Corrective action: Specify the index of a data item that does exist in the bag. Use the mqCountItems call to determine the number of data items with the specified selector that exist in the bag.</p>

MQI return codes

2307	X'903'	<p>MQRC_STRING_ERROR</p> <p>String parameter not valid.</p> <p>The <i>String</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>
2308	X'904'	<p>MQRC_ENCODING_NOT_SUPPORTED</p> <p>Encoding not supported.</p> <p>The <i>Encoding</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the <code>mqPutBag</code> call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the <code>mqGetBag</code> call, the field in error resides in: <ul style="list-style-type: none"> – The <i>MsgDesc</i> 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 <i>not</i> specified. <p>Corrective action: The value must be MQENC_NATIVE.</p> <p>If the value of the <i>Encoding</i> field in the message is not valid, the message cannot be retrieved using the <code>mqGetBag</code> call:</p> <ul style="list-style-type: none"> • 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	X'905'	<p>MQRC_SELECTOR_NOT_PRESENT</p> <p>Selector not present in bag.</p> <p>The <i>Selector</i> parameter specifies a selector that does not exist in the bag.</p> <p>Corrective action: Specify a selector that does exist in the bag.</p>
2310	X'906'	<p>MQRC_OUT_SELECTOR_ERROR</p> <p>OutSelector parameter not valid.</p> <p>The <i>OutSelector</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>
2311	X'907'	<p>MQRC_STRING_TRUNCATED</p> <p>String truncated (too long for output buffer).</p> <p>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.</p> <p>Corrective action: If the entire string is required, provide a larger buffer. On the <code>mqInquireString</code> call, the <i>StringLength</i> parameter is set by the call to indicate the size of the buffer required to accommodate the string without truncation.</p>

2312	X'908'	<p>MQRC_SELECTOR_WRONG_TYPE</p> <p>Selector implies a data type not valid for call.</p> <p>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.</p> <p>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.</p> <p>Corrective action: For the mqSetInteger and mqSetString calls, specify MQIND_ALL for the <i>ItemIndex</i> parameter to delete from the bag all existing occurrences of the specified selector before creating the new occurrence with the required data type.</p> <p>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.</p> <p>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.</p>
2313	X'909'	<p>MQRC_INCONSISTENT_ITEM_TYPE</p> <p>Data type of item differs from previous occurrence of selector.</p> <p>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.</p> <p>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.</p> <p>Corrective action: For the mqAddInteger and mqAddString calls, use the call appropriate to the data type of the first occurrence of that selector in the bag.</p> <p>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:</p> <ul style="list-style-type: none"> • 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	X'90A'	<p>MQRC_INDEX_ERROR</p> <p>Index not valid.</p> <p>The <i>ItemIndex</i> parameter has a value that is not valid. The value must be zero or greater, or one of the special MQIND_* values that is valid for the call:</p> <ul style="list-style-type: none"> • 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. <p>Corrective action: Specify a valid value.</p>

MQI return codes

2315	X'90B'	<p>MQRC_SYSTEM_BAG_NOT_ALTERABLE</p> <p>System bag is read-only and cannot be altered.</p> <p>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.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>
2316	X'90C'	<p>MQRC_ITEM_COUNT_ERROR</p> <p>ItemCount parameter not valid.</p> <p>The mqTruncateBag call was issued, but the <i>ItemCount</i> 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.</p> <p>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.)</p> <p>Corrective action: Specify a valid value. Use the mqCountItems call to determine the number of user-defined data items in the bag.</p>
2317	X'90D'	<p>MQRC_FORMAT_NOT_SUPPORTED</p> <p>Format not supported.</p> <p>The <i>Format</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the mqPutBag call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the mqGetBag call, the field in error resides in the message descriptor of the message about to be retrieved. <p>Corrective action: The value must be one of the following:</p> <p style="margin-left: 20px;">MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF</p> <p>If the value of the <i>Format</i> field in the message is none of these values, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • 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	X'90E'	<p>MQRC_SELECTOR_NOT_SUPPORTED</p> <p>System selector not supported.</p> <p>The <i>Selector</i> 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.</p> <p>Corrective action: Specify a selector value that is supported.</p>
2319	X'90F'	<p>MQRC_ITEM_VALUE_ERROR</p> <p>ItemValue parameter not valid.</p> <p>The mqInquireBag or mqInquireInteger call was issued, but the <i>ItemValue</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>

2320	X'910'	<p>MQRC_HBAG_ERROR</p> <p>Bag handle not valid.</p> <p>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.)</p> <p>Corrective action: Correct the parameter.</p>
2321	X'911'	<p>MQRC_PARAMETER_MISSING</p> <p>Parameter missing.</p> <p>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.</p> <p>Corrective action: Review the description of the administration command being issued, and ensure that all required parameters are present in the bag.</p>
2322	X'912'	<p>MQRC_CMD_SERVER_NOT_AVAILABLE</p> <p>Command server not available.</p> <p>The command server that processes administration commands is not available.</p> <p>Corrective action: Start the command server.</p>
2323	X'913'	<p>MQRC_STRING_LENGTH_ERROR</p> <p>StringLength parameter not valid.</p> <p>The <i>StringLength</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>
2324	X'914'	<p>MQRC_INQUIRY_COMMAND_ERROR</p> <p>Command code is not a recognized inquiry command.</p> <p>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.</p> <p>Corrective action: Remove the mqAddInquiry calls and use instead the mqAddInteger call with the appropriate MQIACF_*_ATTRS or MQIACH_*_ATTRS selectors.</p>
2325	X'915'	<p>MQRC_NESTED_BAG_NOT_SUPPORTED</p> <p>Input bag contains one or more nested bags.</p> <p>A bag which is input to the call contains nested bags. Nested bags are supported only for bags which are output from the call.</p> <p>Corrective action: Use a different bag as input to the call.</p>
2326	X'916'	<p>MQRC_BAG_WRONG_TYPE</p> <p>Bag has wrong type for intended use.</p> <p>The <i>Bag</i> 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.</p> <p>Corrective action: Specify the MQCBO_ADMIN_BAG option when the bag is created.</p>

MQI return codes

2327	X'917'	<p>MQRC_ITEM_TYPE_ERROR</p> <p>ItemType parameter not valid.</p> <p>The mqInquireItemInfo call was issued, but the <i>ItemType</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>
2328	X'918'	<p>MQRC_SYSTEM_BAG_NOT_DELETABLE</p> <p>System bag is read-only and cannot be deleted.</p> <p>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.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>
2329	X'919'	<p>MQRC_SYSTEM_ITEM_NOT_DELETABLE</p> <p>System data item is read-only and cannot be deleted.</p> <p>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.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>
2330	X'91A'	<p>MQRC_CODED_CHAR_SET_ID_ERROR</p> <p>Coded character set identifier parameter not valid.</p> <p>The <i>CodedCharSetId</i> 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.)</p> <p>Corrective action: Correct the parameter.</p>
2331	X'91B'	<p>MQRC_MSG_TOKEN_ERROR</p> <p>Use of message token not valid.</p> <p>An MQGET call was issued to retrieve a message, but the options specified were not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The queue's <i>IndexType</i> attribute does not have the value MQIT_MSG_TOKEN, but MQMO_MATCH_MSG_TOKEN was specified. • The queue's <i>IndexType</i> attribute <i>does</i> have the value MQIT_MSG_TOKEN, but the MQGET call is not a browse get and one of the following is true: <ul style="list-style-type: none"> – MQGMO_WAIT or MQGMO_SET_SIGNAL was specified. – MQMO_MATCH_MSG_TOKEN was <i>not</i> specified. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to specify only valid options.</p>

2332	X'91C'	<p>MQRC_MISSING_WIH</p> <p>Message data does not begin with MQWIH.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue whose <i>IndexType</i> attribute had the value MQIT_MSG_TOKEN, but the <i>Format</i> field in the MQMD was not MQFMT_WORK_INFO_HEADER.</p> <p>Note: This error can occur only at the destination queue manager.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to ensure that it places an MQWIH structure at the start of the message data, and sets the <i>Format</i> field in the MQMD to MQFMT_WORK_INFO_HEADER.</p>
2333	X'91D'	<p>MQRC_WIH_ERROR</p> <p>MQWIH structure not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue whose <i>IndexType</i> attribute had the value MQIT_MSG_TOKEN, but the message data did not begin with a valid MQWIH structure.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to ensure that it places a valid MQWIH structure at the start of the message data.</p>

MQI return codes

Appendix. Notices

This information was developed for products and services offered in the United States. IBM may not offer the products, services, or features discussed in this information in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this information. The furnishing of this information does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome, Minato-ku
Tokyo 106, Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the information. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this information at any time without notice.

Any references in this information to non-IBM documentation or non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those documents or Web sites. The materials for those documents or Web sites are not part of the materials for this IBM product and use of those documents or Web sites is at your own risk.

Notices

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM United Kingdom Laboratories,
Mail Point 151,
Hursley Park,
Winchester,
Hampshire,
England
SO21 2JN.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Programming License Agreement, or any equivalent agreement between us.

Trademarks

The following terms are trademarks of International Business Machines Corporation in the United States, or other countries, or both:

AIX	AS/400	BookManager
CICS	DB2	FFST
IBM	MQ	MQSeries
OS/2	OS/390	VSE/ESA

Lotus is a trademark of Lotus Development Corporation in the United States, or other countries, or both.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and/or other countries.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States and/or other countries.

UNIX is a registered trademark in the United States and/or other countries licensed exclusively through X/Open Company Limited.

Other company, product, or service names, may be the trademarks or service marks of others.

Sending your comments to IBM

MQSeries®

Messages

GC33-1876-01

If you especially like or dislike anything about this book, please use one of the methods listed below to send your comments to IBM.

Feel free to comment on what you regard as specific errors or omissions, and on the accuracy, organization, subject matter, or completeness of this book. Please limit your comments to the information in this book and the way in which the information is presented.

To request additional publications, or to ask questions or make comments about the functions of IBM products or systems, you should talk to your IBM representative or to your IBM authorized remarketer.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate, without incurring any obligation to you.

You can send your comments to IBM in any of the following ways:

- By mail, use the Readers' Comment Form
- By fax:
 - From outside the U.K., after your international access code use 44 1962 870229
 - From within the U.K., use 01962 870229
- Electronically, use the appropriate network ID:
 - IBM Mail Exchange: GBIBM2Q9 at IBMMAIL
 - IBMLink: HURSLEY(IDRCF)
 - Internet: idrcf@hursley.ibm.com

Whichever you use, ensure that you include:

- The publication number and title
- The page number or topic to which your comment applies
- Your name and address/telephone number/fax number/network ID.

Readers' Comments

MQSeries®

Messages

GC33-1876-01

Use this form to tell us what you think about this manual. If you have found errors in it, or if you want to express your opinion about it (such as organization, subject matter, appearance) or make suggestions for improvement, this is the form to use.

To request additional publications, or to ask questions or make comments about the functions of IBM products or systems, you should talk to your IBM representative or to your IBM authorized remarketer. This form is provided for comments about the information in this manual and the way it is presented.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate without incurring any obligation to you.

Be sure to print your name and address below if you would like a reply.

Name

Address

Company or Organization

Telephone

Email



You can send your comments POST FREE on this form from any one of these countries:

Australia	Finland	Iceland	Netherlands	Singapore	United States
Belgium	France	Israel	New Zealand	Spain	of America
Bermuda	Germany	Italy	Norway	Sweden	
Cyprus	Greece	Luxembourg	Portugal	Switzerland	
Denmark	Hong Kong	Monaco	Republic of Ireland	United Arab Emirates	

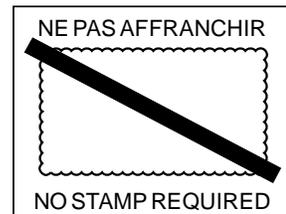
If your country is not listed here, your local IBM representative will be pleased to forward your comments to us. Or you can pay the postage and send the form direct to IBM (this includes mailing in the U.K.).

1 Cut along this line

2 Fold along this line

By air mail
Par avion

IBRS/CCR NUMBER: PHQ-D/1348/SO



**REPONSE PAYEE
GRANDE-BRETAGNE**

IBM United Kingdom Laboratories
Information Development Department (MP095)
Hursley Park,
WINCHESTER, Hants
SO21 2ZZ United Kingdom

3 Fold along this line

From: Name _____
Company or Organization _____
Address _____

EMAIL _____
Telephone _____

1 Cut along this line

4 Fasten here with adhesive tape



Printed in the United States of America
on recycled paper containing 10%
recovered post-consumer fiber.

GC33-1876-01

