MQSeries®

Application Programming Reference Summary

SX33-6095-05

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Note!
Before using this information and the product it supports, be sure to read the general information under “Chapter 6. Notices” on page 93.

Sixth edition (March 2000)

This edition applies to the following products:
- MQSeries for AIX® V5.1
- MQSeries for AS/400® V5R1
- MQSeries for AT&T GIS UNIX V2.2
- MQSeries for Digital OpenVMS V2.2
- MQSeries for DIGITAL UNIX (Compaq Tru64 Unix) V2R2.1
- 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 V2R2.0.1
- MQSeries for VSE/ESA™ V2.1
- MQSeries for Windows NT® V5.1
- MQSeries for Windows® V2.0
- MQSeries for Windows V2.1

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

Contents

About this book

This book summarizes the information in the *MQSeries Application Programming Reference* manual. It contains summaries of:

- The message queue interface (MQI) calls
- Data-conversion exit calls and data type structure
- Data types used by the MQI calls
- Attributes of MQSeries objects
- MQI constants

The information in this book is applicable to all platforms, unless otherwise stated.

This book does not cover the:

- PCF commands, events, or constants, which are documented in the *MQSeries Programmable System Management* book.
- Exit calls or constants for channel exits and cluster-workload exits, which are documented in the *MQSeries Intercommunication* book, and *MQSeries Queue Manager Clusters* book.

Related MQSeries publications

For detailed information about the MQI, see these MQSeries publications:

- *IBM MQSeries Application Programming Guide*, SC33-0807
- *IBM MQSeries Application Programming Reference*, SC33-1673

This book specifies the values of all the named constants used in the *MQseries Application Programming Reference* manual.

The *MQSeries Application Programming Reference* manual contains a complete list of the MQI constants. For further information on the constants that are not used in the *MQSeries Application Programming Reference*, refer to:

- *IBM MQSeries Queue Manager Clusters*, SC34-5349
- *IBM MQSeries Intercommunication*, SC33-1872
- *IBM MQSeries Programmable System Management*, SC33-1482

The information in this book does not apply to the MQSeries for AS/400 product using the RPG programming language. For RPG information, refer to:

- *IBM MQSeries for AS/400 Application Programming Reference (ILE RPG)*, SC33-1957

Terms used in this book

In this book, the term "UNIX® systems" refers to the following MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for AT&T GIS UNIX V2.2
- MQSeries for HP-UX V5.1
- MQSeries for SINIX and DC/OSx V2.2

- MQSeries for Sun Solaris V5.1

The term “Version 5.1 products” applies to the following MQSeries products:
- MQSeries for AIX V5.1
- MQSeries for AS/400 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

Windows products

The following table lists the MQSeries products available for Windows, and shows the Windows platforms on which each runs.

Product	Windows 3.1	Windows 95	Windows 98	Windows NT
MQSeries for Windows Client	Yes	Yes	Yes	Yes
MQSeries for Windows NT	No	No	No	Yes
MQSeries for Windows V2.0	Yes	Yes	No	No
MQSeries for Windows V2.1	No	Yes	Yes	Yes

MQSeries for Windows Versions 2.0 and 2.1 support most of the features of the MQI described in this book. For information on these products, see the *MQSeries for Windows User's Guide*.

Appearance of values in this book

In this book:

- The symbol ‘b’ represents a single blank character.
- The value ‘blanks’ denotes the null string in C and blank characters in other programming languages.
- The notation `X'hhhh'` represents a hexadecimal value. Each ‘h’ denotes a single hexadecimal digit.

Chapter 1. MQI calls

Full details of these calls can be found in the *MQSeries Application Programming Reference* manual.

MQBACK

Purpose: Indicates to the queue manager that all messages put or retrieved as part of a unit of work since the last syncpoint are to be backed out.

Table 1. MQBACK call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output
Note: This call is not supported by VSE/ESA and can be used with OS/390 in the batch environment only. On Tandem NSK, this call always returns a *CompCode* of MQCC_FAILED and a *Reason* of MQRC_ENVIRONMENT_ERROR.		

MQBEGIN

Purpose: Begins a unit of work that is coordinated by the queue manager.

Table 2. MQBEGIN call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
BeginOptions	(MQBO)	input/output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output
Note: This call is supported only on Version 5 products or later, except AS/400.		

MQCLOSE

Purpose: Relinquishes access to an object (inverse of MQOPEN).

Table 3. MQCLOSE call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Hobj	(MQHOBJ)	input/output
Options	(MQLONG)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQCMIT

Purpose: Indicates to the queue manager that the application has reached a syncpoint, and that all of the messages put or retrieved as part of a unit of work since the last syncpoint are to be made permanent.

Table 4. MQCMIT call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output
Note: This call is not supported by VSE/ESA and can be used with OS/390 in the batch environment only. On Tandem NSK, this call always returns a *CompCode* of MQCC_FAILED and a *Reason* of MQRC_ENVIRONMENT_ERROR.		

MQCONN

Purpose: Connects an application program to a queue manager.

Table 5. MQCONN call

Parameter	Data type	Usage
Name	(MQCHAR48)	input
Hconn	(MQHCONN)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQCONNX

Purpose: Provides options when connecting an application program to a queue manager.

Table 6. MQCONNX call

Parameter	Data type	Usage
Name	(MQCHAR48)	input
ConnectOpts	(MQCNO)	input/output
Hconn	(MQHCONN)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output
Note: This call is supported on Version 5 products, or later, only.		

MQDISC

Purpose: Disconnects an application program from a queue manager (inverse of MQCONN).

Table 7. MQDISC call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input/output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQGET

Purpose: Retrieves a message from a queue owned by the local queue manager.

Table 8. MQGET call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Hobj	(MQHOBJ)	input
MsgDesc	(MQMD)	input/output
GetMsgOpts	(MQGMO)	input/output
BufferLength	(MQLONG)	input
Buffer	(MQBYTE x BufferLength)	output
DataLength	(MQLONG)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQINQ

Purpose: Returns the attributes of an object.

Table 9. MQINQ call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Hobj	(MQHOBJ)	input
SelectorCount	(MQLONG)	input
Selectors	(MQLONG x SelectorCount)	input
IntAttrCount	(MQLONG)	input
IntAttrs	(MQLONG x IntAttrCount)	output
CharAttrLength	(MQLONG)	input
CharAttrs	(MQCHAR x CharAttrLength)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQOPEN

Purpose: Establishes access to an object.

Table 10. MQOPEN call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
ObjDesc	(MQOD)	input/output
Options	(MQLONG)	input
Hobj	(MQHOBJ)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQPUT

Purpose: Puts a message on an open queue.

Table 11. MQPUT call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Hobj	(MQHOBJ)	input
MsgDesc	(MQMD)	input/output
PutMsgOPts	(MQPMO)	input/output
BufferLength	(MQLONG)	input
Buffer	(MQBYTE x *BufferLength*)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQPUT1

Purpose: Puts one message on a queue. This is equivalent to using the sequence of calls: MQOPEN, MQPUT, MQCLOSE.

Table 12. MQPUT1 call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Objdesc	(MQOD)	input/output
Msgdesc	(MQMD)	input/output
PutMsgOpts	(MQPMO)	input/output
BufferLength	(MQLONG)	input
Buffer	(MQBYTE x *BufferLength*)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQSET

Purpose: Changes the attributes of a queue.

Table 13. MQSET call

Parameter	Data type	Usage
Hconn	(MQHCONN)	input
Hobj	(MQHOBJ)	input
SelectorCount	(MQLONG)	input
Selectors	(MQLONG x SelectorCount)	input
IntAttrCount	(MQLONG)	input
IntAttrs	(MQLONG x IntAttrCount)	input
CharAttrLength	(MQLONG)	input
CharAttrs	(MQCHAR x CharAttrLength)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQSYNC

Purpose: Synchronizes statistics updates. This call is included for backwards compatibility but performs no function.

Table 14. MQSYNC call

Parameter	Data type	Usage
TransID	(MQLONG x TransID)	input
CommitAbort	(MQBYTE)	input
CompCode	(MQLONG)	output
Reason	(MQLONG)	output
Note: This call is supported on Tandem NonStop Kernel only.		

Chapter 2. Data conversion

A full description of the data-conversion exit calls can be found in the *MQSeries Application Programming Reference* manual.

Note: Data conversion is not supported on VSE/ESA.

MQDATACONVEXIT

Purpose: Describes the parameters that are passed to the data-conversion exit.

Table 15. MQ_DATA_CONV_EXIT call

Parameter	Data type	Usage
DataConvExitParms	(MQDXP)	input/output
MsgDesc	(MQMD)	input/output
InBufferLength	(MQLONG)	input
InBuffer	(MQBYTE x InBufferLength)	input
OutBufferLength	(MQLONG)	input
OutBuffer	(MQBYTE x OutBufferLength)	output

MQXCNVC

Purpose: Converts characters from one character set to another. This call can be used only from a data-conversion exit.

Table 16. MQXCNVC call

Parameter	Data type	Usage
HConn	(MQHCONN)	input
Options	(MQLONG)	input
SourceCCSID	(MQLONG)	input
SourceLength	(MQLONG)	input
SourceBuffer	(MQCHAR x SourceLength)	input
TargetCCSID	(MQLONG)	input
TargetLength	(MQLONG)	input
TargetBuffer	(MQCHAR x TargetLength)	output
DataLength	(MQLONG)	output
CompCode	(MQLONG)	output
Reason	(MQLONG)	output

MQDXP (data-conversion exit parameter)

Table 17. MQDXP structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQDXP_STRUC_ID	'DXPb'
Version	MQLONG	MQDXP_VERSION_1	1
ExitOptions	MQLONG	none	0
AddOptions	MQLONG	none	0
Encoding	MQLONG	none	0
CodedCharSetId	MQLONG	none	0
DataLength	MQLONG	none	0
CompCode	MQLONG	MQCC_OK	0
Reason	MQLONG	MQRC_NONE	0
ExitResponse	MQLONG	MQXDR_OK	0
Hconn	MQHCONN	none	0

Chapter 3. Data types

MQI calls use both elementary and structure data types. These correspond to data types that can be declared in a language that supports user-defined data types (for example, the C programming language). However, all user-defined data types ultimately resolve to elementary data types, or to aggregates of elementary data types (known as arrays or structures).

The elementary data types are:

MQBYTE	Byte
MQBYTE16	String of 16 bytes
MQBYTE24	String of 24 bytes
MQBYTE32	String of 32 bytes
MQBYTE40	String of 40 bytes
MQBYTE64	String of 64 bytes
MQCHAR	Single-byte character
MQCHARn	String of n single-byte characters
MQHCONN	Connection handle
MQHOBJ	Object handle
MQLONG	Long integer
MQPTR	Pointer
PMQLONG	Pointer to data of type MQLONG

The structure data types are:

MQBO	Begin options
MQCNO	Connect options
MQGMO	Get-message options
MQMD	Message descriptor
MQMDE	Message descriptor extension
MQOD	Object descriptor
MQOR	Object record
MQPMO	Put-message options
MQPMR	Put-message record
MQRR	Response record
MQXP	API-crossing exit parameter

MQSeries also uses the following structure data types to describe the formats of some messages and message headers:

MQCIH	CICS® information header
MQDH	Distribution header
MQDLH	Dead-letter header
MQIIH	IMS™ information header
MQRMH	Reference message header
MQTM	Trigger message
MQTMC	Trigger message (character format)
MQTMC2	Trigger message (character format 2)
MQWIH	Work information header
MQXQH	Transmission queue header

The following structure data types pertaining to MQSeries events are described in the *MQSeries Programmable System Management* book.

MQCFH PCF header
MQCFIN PCF integer parameter
MQCFST PCF string parameter
MQCFIL PCF integer list parameter
MQCFSL PCF string list parameter

Elementary data types

The MQI uses the following elementary data types:

MQBYTE A single byte (that is, a string of eight bits)
MQCHAR A single character in a defined character set
MQLONG A 4-byte signed binary integer

All other data types equate either directly to these elementary data types or to aggregates of them (that is, arrays or structures).

In C language, the parameters of some of the MQI calls are defined as being pointers to the relevant data type.

Elementary data types - C

These are typical declarations of the data types in C:

Table 18. C declarations of data types

Data type	Representation
MQBYTE	`typedef unsigned char MQBYTE;`
MQBYTE16	`typedef MQBYTE MQBYTE16[16];`
MQBYTE24	`typedef MQBYTE MQBYTE24[24];`
MQBYTE32	`typedef MQBYTE MQBYTE32[32];`
MQBYTE40	`typedef MQBYTE MQBYTE40[40];`
MQBYTE64	`typedef MQBYTE MQBYTE64[64];`
MQCHAR	`typedef char MQCHAR;`
MQCHAR4	`typedef MQCHAR MQCHAR4[4];`
MQCHAR8	`typedef MQCHAR MQCHAR8[8];`
MQCHAR12	`typedef MQCHAR MQCHAR12[12];`
MQCHAR16	`typedef MQCHAR MQCHAR16[16];`
MQCHAR20	`typedef MQCHAR MQCHAR20[20];`
MQCHAR28	`typedef MQCHAR MQCHAR28[28];`
MQCHAR32	`typedef MQCHAR MQCHAR32[32];`

Table 18. C declarations of data types (continued)

Data type	Representation
MQCHAR48	`typedef MQCHAR MQCHAR48[48];`
MQCHAR64	`typedef MQCHAR MQCHAR64[64];`
MQCHAR128	`typedef MQCHAR MQCHAR128[128];`
MQCHAR256	`typedef MQCHAR MQCHAR256[256];`
MQHCONN	`typedef MQLONG MQHCONN;`
MQHOBJ	`typedef MQLONG MQHOBJ;`
MQLONG	`typedef long MQLONG;`
MQPTR	`typedef void MQPOINTER MQPTR;`
PMQLONG	`typedef MQLONG MQPOINTER PMQLONG;`
PMQVOID	`typedef void MQPOINTER PMQVOID;`

Elementary data types - COBOL

These are typical declarations of the data types in COBOL:

Table 19. COBOL declarations of data types

Data type	Representation
MQBYTE	`PIC X`
MQBYTE16	`PIC X(16)`
MQBYTE24	`PIC X(24)`
MQBYTE32	`PIC X(32)`
MQBYTE40	`PIC X(40)`
MQBYTE64	`PIC X(64)`
MQCHAR	`PIC X`
MQCHAR4	`PIC X(4)`
MQCHAR8	`PIC X(8)`
MQCHAR12	`PIC X(12)`
MQCHAR16	`PIC X(16)`
MQCHAR20	`PIC X(20)`
MQCHAR28	`PIC X(28)`
MQCHAR32	`PIC X(32)`
MQCHAR48	`PIC X(48)`

Elementary data types - COBOL

Table 19. COBOL declarations of data types (continued)

Data type	Representation
MQCHAR64	`PIC X(64)`
MQCHAR128	`PIC X(128)`
MQCHAR256	`PIC X(256)`
MQHCONN	`PIC S9(9) BINARY`
MQHOBJ	`PIC S9(9) BINARY`
MQLONG	`PIC S9(9) BINARY`
MQPTR	`POINTER`
PMQLONG	`POINTER`

Elementary data types - PL/I

These are typical declarations of the data types in PL/I:

Table 20. PL/I declarations of data types

Data type	Representation
MQBYTE	`char(1)`
MQBYTE16	`char(16)`
MQBYTE24	`char(24)`
MQBYTE32	`char(32)`
MQBYTE40	`char(40)`
MQBYTE64	`char(64)`
MQCHAR	`char(1)`
MQCHAR4	`char(4)`
MQCHAR8	`char(8)`
MQCHAR12	`char(12)`
MQCHAR16	`char(16)`
MQCHAR20	`char(20)`
MQCHAR28	`char(28)`
MQCHAR32	`char(32)`
MQCHAR48	`char(48)`
MQCHAR64	`char(64)`
MQCHAR128	`char(128)`

Table 20. PL/I declarations of data types (continued)

Data type	Representation
MQCHAR256	`char(256)`
MQHCONN	`fixed bin(31)`
MQHOBJ	`fixed bin(31)`
MQLONG	`fixed bin(31)`
PMQLONG	`pointer`

Elementary data types - System/390® assembler

These are typical declarations of the data types in System/390 assembler.

Table 21. S/390® assembler declarations of data types

Data type	Representation
MQBYTE	`DS XL1`
MQBYTE16	`DS XL16`
MQBYTE24	`DS XL24`
MQBYTE32	`DS XL32`
MQBYTE40	`DS XL40`
MQBYTE64	`DS XL64`
MQCHAR	`DS CL1`
MQCHAR4	`DS CL4`
MQCHAR8	`DS CL8`
MQCHAR12	`DS CL12`
MQCHAR16	`DS CL16`
MQCHAR20	`DS CL20`
MQCHAR28	`DS CL28`
MQCHAR32	`DS CL32`
MQCHAR48	`DS CL48`
MQCHAR64	`DS CL64`
MQCHAR128	`DS CL128`
MQCHAR256	`DS CL256`
MQHCONN	`DS F`
MQHOBJ	`DS F`

Table 21. S/390® assembler declarations of data types (continued)

Data type	Representation
MQLONG	`DS F`
PMQLONG	`DS F`

Elementary data types - TAL programming language

The elementary data types for the TAL programming language are:

Table 22. TAL declarations of data types

Data Type	Representation
MQBYTE	`STRING`
MQBYTE24	`BEGIN STRING BYTE [0:23];END`
MQBYTE32	`BEGIN STRING BYTE [0:31];END`
MQCHAR	`STRING`
MQCHAR4	`BEGIN STRING BYTE [0:3];END`
MQCHAR8	`BEGIN STRING BYTE [0:7]; END`
MQCHAR12	`BEGIN STRING BYTE [0:11];END`
MQCHAR28	`BEGIN STRING BYTE [0:27];END`
MQCHAR32	`BEGIN STRING BYTE [0:31];END`
MQCHAR48	`BEGIN STRING BYTE [0:47];END`
MQCHAR64	`BEGIN STRING BYTE [0:63];END`
MQCHAR128	`BEGIN STRING BYTE [0:127];END`
MQCHAR256	`BEGIN STRING BYTE [0:255];END`
MQHCONN	`INT(32)`
MQHOBJ	`INT(32)`
MQLONG	`INT(32)`

Elementary data types - Visual Basic (Windows 95, Windows 98, and Windows NT)

The elementary data types for Visual Basic are:

Table 23. Visual Basic declarations of data types

Data Type	Representation
MQBYTE	`String*1`
MQBYTE24	`String*24`
MQBYTE32	`String*32`
MQCHAR	`String*1`
MQCHAR4	`String*4`
MQCHAR8	`String*8`
MQCHAR12	`String*12`
MQCHAR28	`String*28`
MQCHAR32	`String*32`
MQCHAR48	`String*48`
MQCHAR64	`String*64`
MQCHAR128	`String*128`
MQCHAR256	`String*256`
MQHCONN	`Long`
MQHOBJ	`Long`
MQLONG	`Long`

Structure data types

Full details of MQI call structures can be found in the *MQSeries Application Programming Reference* manual.

In the following tables, the initial values of the fields are shown.

MQBO (begin options)

Table 24. MQBO structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQBO_STRUC_ID	'BObb'
Version	MQLONG	MQBO_VERSION_1	1
Options	MQLONG	MQBO_NONE	0
Note: This structure is supported on Version 5, or later, products only.			

MQCIH (CICS bridge header)

Table 25. MQCIH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQCIH_STRUC_ID	'CIHb'
Version	MQLONG	MQCIH_VERSION_1	1
StrucLength	MQLONG	MQCIH_LENGTH_1	164
Encoding	MQLONG	none	0
CodedCharSetId	MQLONG	none	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Flags	MQLONG	MQCIH_NONE	0
ReturnCode	MQLONG	MQCRC_OK	0
CompCode	MQLONG	MQCC_OK	0
Reason	MQLONG	MQRC_NONE	0
UOWControl	MQLONG	MQCUOWC_ONLY	273
GetWaitInterval	MQLONG	MQCGWI_DEFAULT	-2
LinkType	MQLONG	MQCLT_PROGRAM	1
OutputDataLength	MQLONG	MQCODL_AS_INPUT	-1
FacilityKeepTime	MQLONG	none	0
ADSDescriptor	MQLONG	MQCADSD_NONE	0
ConversationalTask	MQLONG	MQCCT_NO	0
TaskEndStatus	MQLONG	MQCTES_NOSYNC	0
Facility	MQBYTE8	MQCFAC_NONE	Nulls
Function	MQCHAR4	MQCFUNC_NONE	'bbbb'

Table 25. MQCIH structure (continued)

Field name	Data type	Name of constant	Value of constant
AbendCode	MQCHAR4	none	'bbbb'
Authenticator	MQCHAR8	none	'bbbbbbbb'
Reserved1	MQCHAR8	none	'bbbbbbbb'
ReplyToFormat	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
RemoteSysID	MQCHAR4	none	'bbbb'
RemoteTransID	MQCHAR4	none	'bbbb'
TransactionID	MQCHAR4	none	'bbbb'
FacilityLike	MQCHAR4	none	'bbbb'
AttentionID	MQCHAR4	none	'bbbb'
StartCode	MQCHAR4	MQCSC_NONE	'bbbb'
CancelCode	MQCHAR4	none	'bbbb'
NextTransactionID	MQCHAR4	none	'bbbb'
Reserved2	MQCHAR8	none	'bbbbbbbb'
Reserved3	MQCHAR8	none	'bbbbbbbb'
CursorPosition	MQLONG	none	0
ErrorOffset	MQLONG	none	0
InputItem	MQLONG	none	0
Reserved4	MQLONG	none	0

Note:
1. This structure is supported on Version 5.1 products, and OS/390 only.

MQCNO (connect options)

Table 26. MQCNO structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQCNO_STRUC_ID	'CNOb'
Version	MQLONG	MQCNO_VERSION_1	1
Options	MQLONG	MQCNO_NONE	0
ClientConnOffset (2)	MQLONG	none	0
ClientConnPtr (2)	MQPTR	none	nulls

Notes::
1. This structure is supported on Version 5, or later, products only.
2. This field is used on Version 5.1 products only.

MQDH (distribution header)

Table 27. MQDH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQDH_STRUC_ID	'DHbb'
Version	MQLONG	MQDH_VERSION_1	1
Struclength	MQLONG	none	0
Encoding	MQLONG	none	0
CodedCharSetId	MQLONG	none	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Flags	MQLONG	MQDHF_NONE	0
PutMsgRecFields	MQLONG	MQPMRF_NONE	0
RecsPresent	MQLONG	none	0
ObjectRecOffset	MQLONG	none	0
PutMsgRecOffset	MQLONG	none	0
Note: This structure is supported on Version 5, or later, products.			

MQDLH (dead-letter header)

Table 28. MQDLH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQDLH_STRUC_ID	'DLHb'
Version	MQLONG	MQDLH_VERSION_1	1
Reason	MQLONG	MQRC_NONE	0
DestQName	MQCHAR48	none	blanks
DestQMgrName	MQCHAR48	none	blanks
Encoding	MQLONG	MQENC_NATIVE AS/400: OS/2(C): OS/2(COBOL): OS/390: UNIX systems: Windows NT(C): Windows NT(COBOL):	 273 546 17 785 273 546 17
CodedCharSetId	MQLONG	none	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
PutApplType	MQLONG	none	0
PutApplName	MQCHAR28	none	blanks
PutDate	MQCHAR8	none	blanks
PutTime	MQCHAR8	none	blanks
Note: This structure is not supported on Windows.			

MQGMO (get-message options)

Table 29. MQGMO structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQGMO_STRUC_ID	'GMOb'
Version	MQLONG	MQGMO_VERSION_1	1
Options	MQLONG	MQGMO_NO_WAIT	0
WaitInterval	MQLONG	none	0
Signal1	OS/390: PMQLONG All others: MQLONG	 none none	 NULL 0
Signal2	MQLONG	none	0
ResolvedQName	MQCHAR48	none	blanks
MatchOptions (1)	MQLONG	MQMO_MATCH_MSG_ID MQMO_MATCH_CORREL_ID	3
GroupStatus (1)	MQCHAR	MQGS_NOT_IN_GROUP	blanks
SegmentStatus (1)	MQCHAR	MQSS_NOT_A_SEGMENT	blanks
Segmentation (1)	MQCHAR	MQSEG_INHIBITED	blanks
Reserved1 (2)	MQCHAR	none	blanks
MsgToken (3)	MQBYTE16	MQMTOK_NONE	NULL
ReturnedLength (2)	MQBYTE16	MQRL_UNDEFINED	-1

Notes::

1. This field is used on Version 5 products or later, and OS/390.
2. This field is used on Version 5.1 products, and OS/390 only.
3. This field is used on OS/390 only.

MQIIH (IMS information header)

Table 30. MQIIH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQIIH_STRUC_ID	'IIHb'
Version	MQLONG	MQIIH_VERSION_1	1
StrucLength	MQLONG	MQIIH_LENGTH_1	84
Encoding	MQLONG	MQENC_NATIVE OS/390: OS/2(C): OS/2(COBOL): AS/400: UNIX systems: Windows NT(C): Windows NT(COBOL):	 785 546 17 273 273 546 17
CodedCharSetId	MQLONG	MQCCSI_Q_MGR	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Flags	MQLONG	MQIIH_NONE	0
LTermOverride	MQCHAR8	none	blanks
MFSMapName	MQCHAR8	none	blanks
ReplyToFormat	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Authenticator	MQCHAR8	MQIAUT_NONE	'bbbbbbbb'
TranInstanceId.	MQBYTE16	MQITII_NONE	nulls
TranState	MQCHAR	MQITS_NOT_IN_CONVERSATION	'b'
CommitMode	MQCHAR	MQICM_COMMIT_THEN_SEND	'0'
SecurityScope	MQCHAR	MQISS_CHECK	'c'
Reserved	MQCHAR	none	'b'
Note: This structure is not supported on Windows, Tandem NonStop Kernel, or VSE/ESA.			

MQMD (message descriptor)

Table 31. MQMD structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQMD_STRUC_ID	'MDbb'
Version	MQLONG	MQMD_VERSION_1	1
Report	MQLONG	MQRO_NONE	0
MsgType	MQLONG	MQMT_DATAGRAM	8
Expiry	MQLONG	MQEI_UNLIMITED	−1
Feedback	MQLONG	MQFB_NONE	0

Table 31. MQMD structure (continued)

Field name	Data type	Name of constant	Value of constant
Encoding	MQLONG	MQENC_NATIVE OS/2(C): OS/2(COBOL): OS/390: AS/400: UNIX systems: Windows NT(C): Windows NT(COBOL):	 785 546 17 273 273 546 17
CodedCharSetId	MQLONG	MQCCSI_Q_MGR	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Priority	MQLONG	MQPRI_PRIORITY_AS_Q_DEF	−1
Persistence	MQLONG	MQPER_PERSISTENCE_AS_Q_DEF	2
MsgId	MQBYTE24	MQMI_NONE	nulls
CorelId.	MQBYTE24	MQCI_NONE	nulls
BackoutCount	MQLONG	none	0
ReplyToQ	MQCHAR48	none	blanks
ReplyToQMgr	MQCHAR48	none	blanks
UserIdentifier	MQCHAR12	none	blanks
AccountingToken	MQBYTE32	MQACT_NONE	nulls
ApplIdentityData	MQCHAR32	none	blanks
PutApplType	MQLONG	MQAT_NO_CONTEXT	0
PutApplName	MQCHAR28	none	blanks
PutDate	MQCHAR8	none	blanks
PutTime	MQCHAR8	none	blanks
ApplOriginData	MQCHAR4	none	blanks
GroupId (1)	MQBYTE24	MQGI_NONE	nulls
MsgSeqNumber (1)	MQLONG	none	1
Offset (1)	MQLONG	none	0
Msgflags (1)	MQLONG	MQMF_NONE	0
OriginalLength (1)	MQLONG	MQOL_UNDEFINED	-1

Note:
1. This field is used on Version 5, or later, products; that is, only when MQMD_VERSION_2 is selected.

MQMDE (message descriptor extension)

Table 32. MQMDE structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQMDE_STRUC_ID	'MDEb'
Version	MQLONG	MQMDE_VERSION_2	2
StrucLength	MQLONG	MQMDE_STRUC_LENGTH_2	72
Encoding	MQLONG	MQENC_NATIVE OS/390: OS/2(C): OS/2(COBOL): AS/400: UNIX systems: Windows NT(C): Windows NT(COBOL):	 785 546 17 273 273 546 17
CodedCharSetId	MQLONG	MQCCSI_Q_MGR	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Flags	MQLONG	MQMDEF_NONE	0
GroupId	MQBYTE24	MQGI_NONE	nulls
MsgSeqNumber	MQLONG	none	1
Offset	MQLONG	none	0
MsgFlags	MQLONG	MQMF_NONE	0
OriginalLength	MQLONG	MQOL_UNDEFINED	-1
Note: This structure is supported on Version 5 or later products.			

MQOD (object descriptor)

Table 33. MQOD structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQOD_STRUC_ID	'ODbb'
Version	MQLONG	MQOD_VERSION_1	1
ObjectType	MQLONG	MQOT_Q	1
ObjectName	MQCHAR48	none	blanks
ObjectQMgrName	MQCHAR48	none	blanks
DynamicQName	MQCHAR48	none OS/390: none All others:	'CSQ.*' 'AMQ.*'
AlternateUserId	MQCHAR12	none	blanks
RecsPresent (1)	MQLONG	none	0
KnownDestCount (1)	MQLONG	none	0
UnknownDestCount (1)	MQLONG	none	0
InvalidDestCount (1)	MQLONG	none	0
ObjectRecOffset (1)	MQLONG	none	0
ResponseRecOffset (1)	MQLONG	none	0
ObjectRecPtr (1)	MQPTR	none	null(2)
ResponseRecPtr (1)	MQPTR	none	null(2)
AlternateSecurityId (3)	MQCHAR40	MQSID_NONE	null
ResolvedQName (3)	MQCHAR48	none	blanks
ResolvedQMgrName (3)	MQCHAR48	none	blanks

Notes::
1. This field is used on Version 5 or later products only.
2. This value is a null pointer in C and null bytes otherwise.
3. This field is used on Version 5.1 products only.

MQOR (object record)

Table 34. MQOR structure

Field name	Data type	Name of constant	Value of constant
ObjectName	MQCHAR48	none	blanks
ObjectQMgrName	MQCHAR48	none	blanks

Note: This structure is supported on Version 5 or later products only.

MQPMO (put-message options)

Table 35. MQPMO structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQPMO_STRUC_ID	'PMOb'
Version	MQLONG	MQPMO_VERSION_1	1
Options	MQLONG	MQPMO_NONE	0
Timeout	MQLONG	none	−1
Context	MQHOBJ	none	0
KnownDestCount	MQLONG	none	0
UnknownDestCount	MQLONG	none	0
InvalidDestCount	MQLONG	none	0
ResolvedQName	MQCHAR48	none	blanks
ResolvedQMgrName	MQCHAR48	none	blanks
RecsPresent (1)	MQLONG	none	0
PutMsgRecFields (1)	MQLONG	MQPMRF_NONE	0
PutMsgRecOffset (1)	MQLONG	none	0
ResponseRecOffset (1)	MQLONG	none	0
PutMsgRecPtr (1)	none	nulls	
ResponseRecPtr (1)	MQPTR	none	nulls

Note:
1. This field is used on Version 5 or later products; that is, only when MQMD_VERSION_2 is selected.

MQPMR (put-message record)

Table 36. MQPMR structure

Field name	Data type	Name of constant	Value of constant
Msgid	MQBYTE24	MQMI_NONE	nulls
CorrelId	MQBYTE24	MQCI_NONE	nulls
GroupId	MQBYTE24	MQGI_NONE	nulls
Feedback	MQLONG	MQFB_NONE	0
AccountingToken	MQBYTE32	MQACT_NONE	nulls

MQRMH (reference-message header)

Table 37. MQRMH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQRMH_STRUC_ID	'RMHb'
Version	MQLONG	MQRMH_VERSION_1	1
StrucLength	MQLONG	none	0
Encoding	MQLONG	MQENC_NATIVE OS/390: OS/2(C): OS/2(COBOL): AS/400: UNIX systems: Windows NT(C): Windows NT(COBOL):	 785 546 17 273 273 546 17
CodedCharSetId	MQLONG	MQCCSI_Q_MGR	0
Format	MQCHAR8	MQFMT_NONE	'bbbbbbbb'
Flags	MQLONG	MQRMHF_NOT_LAST	0
ObjectType	MQCHAR8	none	'bbbbbbbb'
ObjectInstanceId	MQBYTE24	MQOII_NONE	nulls
SrcEnvLength	MQLONG	none	0
SrcEnvOffset	MQLONG	none	0
SrcNameLength	MQLONG	none	0
SrcNameOffset	MQLONG	none	0
DestEnvLength	MQLONG	none	0
DestEnvOffset	MQLONG	none	0
DestEnvLength	MQLONG	none	0
DestEnvOffset	MQLONG	none	0
DataLogicalLength	MQLONG	none	0
DataLogicalOffset	MQLONG	none	0
DataLogicalOffset2	MQLONG	none	0

MQRR (response record)

Table 38. MQRR structure

Field name	Data type	Name of constant	Value of constant
CompCode	MQLONG	MQCC_OK	0
Reason	MQLONG	MQRC_NONE	0
Note: This structure is supported on Version 5 or later products only.			

MQTM (trigger message)

Table 39. MQTM structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQTM_STRUC_ID	'TMbb'
Version	MQLONG	MQTM_VERSION_1	1
QName	MQCHAR48	none	blanks
ProcessName	MQCHAR48	none	blanks
TriggerData	MQCHAR64	none	blanks
ApplType	MQLONG	none	0
ApplId	MQCHAR256	none	blanks
EnvData	MQCHAR128	none	blanks
UserData	MQCHAR128	none	blanks
Note: This structure is not supported on Windows.			

MQTMC (trigger message in character format)

Table 40. MQTMC structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQTMC_STRUC_ID	'TMCb'
Version	MQCHAR4	MQTMC_VERSION_1	'bbb1'
QName	MQCHAR48	none	blanks
ProcessName	MQCHAR48	none	blanks
TriggerData	MQCHAR64	none	blanks
ApplType	MQCHAR4	none	blanks
ApplId	MQCHAR256	none	blanks
EnvData	MQCHAR128	none	blanks
UserData	MQCHAR128	none	blanks
Note: This structure is supported on AS/400 only.			

MQTMC2 (trigger message—character format 2)

Table 41. MQTMC2 structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQTMC_STRUC_ID	'TMC␣'
Version	MQCHAR4	MQTMC_VERSION_2	'␣␣␣2'
QName	MQCHAR48	none	blanks
ProcessName	MQCHAR48	none	blanks
TriggerData	MQCHAR64	none	blanks
ApplType	MQCHAR4	none	blanks
ApplId	MQCHAR256	none	blanks
EnvData	MQCHAR128	none	blanks
UserData	MQCHAR128	none	blanks
QmgrName	MQCHAR48	none	blanks
Note: This structure is not supported on Windows or VSE/ESA.			

MQWIH (Work Information Header)

Table 42. MQWIH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQWIH_STRUC_ID	'WIH␣'
Version	MQLONG	MQWIH_VERSION_1	1
StrucLength	MQLONG	MQWIH_LENGTH_1	120
Encoding	MQLONG	none	0
CodedCharSetId	MQLONG	none	0
Format	MQCHAR8	MQFMT_NONE	'␣␣␣␣␣␣␣␣'
Flags	MQLONG	MQWIH_NONE	0
ServiceName	MQCHAR32	none	blanks
ServiceStep	MQCHAR8	none	blanks
Msgtoken	MQBYTE16	MQMTOK_NONE	nulls
Reserved	MQCHAR32	none	blanks
Note: This structure is supported on Version 5.1 products and OS/390 only.			

MQXP (API-crossing exit parameter block)

Table 43. MQXP structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQXP_STRUC_ID	'XQHb'
Version	MQLONG	MQXP_VERSION_1	1
ExitId	MQLONG	MQXT_API_CROSSING_EXIT	1
ExitReason	MQLONG	none	0
ExitResponse	MQLONG	MQXCC_OK	0
ExitCommand	MQLONG	none	0
ExitParmCount	MQLONG	none	0
Reserved	MQLONG	none	0
ExitUserArea	MQBYTE16	MQXUA_NONE	nulls
Note: This structure is supported on OS/390 only.			

MQXQH (transmission-queue header)

Table 44. MQXQH structure

Field name	Data type	Name of constant	Value of constant
StrucId	MQCHAR4	MQXQH_STRUC_ID	'XQHb'
Version	MQLONG	MQXQH_VERSION_1	1
RemoteQName	MQCHAR48	none	blanks
RemoteQMgrName	MQCHAR48	none	blanks
MsgDesc	MQMD	Names and values as in Table 31 on page 20	

Chapter 4. Attributes of MQSeries objects

Full details of these attributes can be found in the *Application Programming Reference* manual.

Local and model queue attributes

Table 45. Attributes of local and model queues

Attribute	Data type	Name of Selector
AlterationDate (8)	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime (8)	MQCHAR8	MQCA_ALTERATION_TIME
Archive (1, 9)	MQLONG	MQIA_ARCHIVE
BackoutRequeueQName (10)	MQCHAR48	MQCA_BACKOUT_REQ_Q_NAME
BackoutThreshold (10)	MQLONG	MQIA_BACKOUT_THRESHOLD
ClusterName (1, 8)	MQCHAR48	MQCA_CLUSTER_NAME
ClusterNamelist (1, 8)	MQCHAR48	MQCA_CLUSTER_NAMELIST
CreationDate	MQCHAR12	MQCA_CREATION_DATE
CreationTime	MQCHAR8	MQCA_CREATION_TIME
CurrentQDepth(1)	MQLONG	MQIA_CURRENT_Q_DEPTH
DefBind (1, 8)	MQLONG	MQIA_DEF_BIND
DefinitionType	MQLONG	MQIA_DEFINITION_TYPE
DefInputOpenOption (10)	MQLONG	MQIA_DEF_INPUT_OPEN_OPTION
DefPersistence	MQLONG	MQIA_DEF_PERSISTENCE
DefPriority (10)	MQLONG	MQIA_DEF_PRIORITY
DistLists (2)	MQLONG	MQIA_DIST_LISTS
HardenGetBackout (3)	MQLONG	MQIA_HARDEN_GET_BACKOUT
IndexType (3)	MQLONG	MQIA_INDEX_TYPE
InhibitGet	MQLONG	MQIA_INHIBIT_GET
InhibitPut	MQLONG	MQIA_INHIBIT_PUT
InitiationQName (4, 10)	MQCHAR48	MQCA_INITIATION_Q_NAME
MaxMsgLength	MQLONG	MQIA_MAX_MSG_LENGTH
MaxQDepth	MQLONG	MQIA_MAX_Q_DEPTH
MsgDeliverySequence (10)	MQLONG	MQIA_MSG_DELIVERY_SEQUENCE
OpenInputCount (1)	MQLONG	MQIA_OPEN_INPUT_COUNT
OpenOutputCount (1)	MQLONG	MQIA_OPEN_OUTPUT_COUNT
ProcessName (4, 5, 10)	MQCHAR48	MQCA_PROCESS_NAME
QDepthHighEvent (6)	MQLONG	MQIA_Q_DEPTH_HIGH_EVENT (PCF)
QDepthHighLimit (6)	MQLONG	MQIA_Q_DEPTH_HIGH_LIMIT (PCF)
QDepthLowEvent(6)	MQLONG	MQIA_Q_DEPTH_LOW_EVENT (PCF)

Table 45. Attributes of local and model queues (continued)

Attribute	Data type	Name of Selector
QDepthLowLimit (6)	MQLONG	MQIA_Q_DEPTH_LOW_LIMIT (PCF)
QDepthMaxEvent (6)	MQLONG	MQIA_Q_DEPTH_MAX_EVENT (PCF)
QDesc	MQCHAR64	MQCA_Q_DESC
QName	MQCHAR48	MQCA_Q_NAME
QServiceInterval (6)	MQLONG	MQIA_Q_SERVICE_INTERVAL (PCF)
QServiceIntervalEvent (6)	MQLONG	MQIA_Q_SERVICE_INTERVAL_EVENT (PCF)
QType	MQLONG	MQIA_Q_TYPE
RetintionInterval (10)	MQLONG	MQIA_RETENTION_INTERVAL
Scope (4, 7, 10)	MQLONG	MQIA_SCOPE
Shareability	MQLONG	MQIA_SHAREABILITY
StorageClass (3)	MQCHAR8	MQCA_STORAGE_CLASS
TriggerControl (4, 10)	MQLONG	MQIA_TRIGGER_CONTROL
TriggerData (4, 10)	MQCHAR64	MQCA_TRIGGER_DATA
TriggerDepth (4, 10)	MQLONG	MQIA_TRIGGER_DEPTH
TriggerMsgPriority (4, 10)	MQLONG	MQIA_TRIGGER_MSG_PRIORITY
TriggerType (4)	MQLONG	MQIA_TRIGGER_TYPE
Usage	MQLONG	MQIA_USAGE

Notes:
1. Applies to local queues only
2. Applies to OS/2, AS/400, UNIX systems, and Windows NT only
3. Applies to OS/390 only
4. Does not apply to Windows Version 2.0 or Version 2.1
5. Optional in the case of triggering channels on Version 5 products, or later, and AS/400
6. Applies to OS/2, AS/400, UNIX systems, Windows NT, and Windows Version 2.1 only
7. Does not apply to OS/390
8. Applies to Version 5.1 products and OS/390 only
9. Applies to AIX, HP-UX, and Sun Solaris only
10. Does not apply to VSE/ESA

Local definition of remote queue attributes

Table 46. Attributes of local definitions of remote queues

Attribute	Data type	Name of Selector
AlterationDate (2)	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime (2)	MQCHAR8	MQCA_ALTERATION_TIME
ClusterName (2)	MQCHAR48	MQCA_CLUSTER_NAME
ClusterNamelist (2)	MQCHAR48	MQCA_CLUSTER_NAMELIST
DefBind (2)	MQLONG	MQIA_DEF_BIND
DefPersistence	MQLONG	MQIA_DEF_PERSISTENCE
DefPriority (3)	MQLONG	MQIA_DEF_PRIORITY

Table 46. Attributes of local definitions of remote queues (continued)

Attribute	Data type	Name of Selector
InhibitPut	MQLONG	MQIA_INHIBIT_PUT
QDesc	MQCHAR64	MQCA_Q_DESC
QName	MQCHAR48	MQCA_Q_NAME
QType	MQLONG	MQIA_Q_TYPE
RemoteQMgrName	MQCHAR48	MQCA_REMOTE_Q_MGR_NAME
RemoteQName	MQCHAR48	MQCA_REMOTE_Q_NAME
Scope (1)	MQLONG	MQIA_SCOPE
XmitQName (3)	MQCHAR48	MQCA_XMIT_Q_NAME
Notes: 1. Does not apply to OS/390, Windows Version 2.0, Windows Version 2.1, or VSE/ESA 2. Applies to Version 5.1 products and OS/390 only 3. Does not apply to VSE/ESA		

Alias queue attributes

Table 47. Attributes of alias queues

Attribute	Data type	Name of Selector
AlterationDate (1)	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime (1)	MQCHAR8	MQCA_ALTERATION_TIME
BaseQName	MQCHAR48	MQCA_BASE_Q_NAME
ClusterName (1)	MQCHAR48	MQCA_CLUSTER_NAME
ClusterNamelist (1)	MQCHAR48	MQCA_CLUSTER_NAMELIST
DefBind (1)	MQLONG	MQIA_DEF_BIND
DefPersistence	MQLONG	MQIA_DEF_PERSISTENCE
DefPriority	MQLONG	MQIA_DEF_PRIORITY
InhibitGet	MQLONG	MQIA_INHIBIT_GET
InhibitPut	MQLONG	MQIA_INHIBIT_PUT
QDesc	MQCHAR64	MQCA_Q_DESC
QName	MQCHAR48	MQCA_Q_NAME
QType	MQLONG	MQIA_Q_TYPE
Scope (2)	MQLONG	MQIA_SCOPE
Notes: 1. Applies to Version 5.1 products and OS/390 only 2. Does not apply to OS/390, Windows Version 2.0, Windows Version 2.1, or VSE/ESA		

Namelist attributes

Table 48. Attributes of namelists

Attribute	Data type	Name of Selector
AlterationDate	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime	MQCHAR8	MQCA_ALTERATION_TIME
NameCount	MQLONG	MQIA_NAME_COUNT
NamelistDesc	MQCHAR64	MQCA_NAMELIST_DESC
NamelistName	MQCHAR48	MQCA_NAMELIST_NAME
Names	MQCHAR48 x*NameCount*	MQCA_NAMES
Note: Namelists are supported on OS/390 and Version 5.1 products only.		

Process definition attributes

Table 49. Attributes of process definitions

Attribute	Data type	Name of Selector
AlterationDate (3)	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime (3)	MQCHAR8	MQCA_ALTERATION_TIME
ApplId	MQCHAR256	MQCA_APPL_ID
ApplType	MQLONG	MQIA_APPL_TYPE
EnvData	MQCHAR128	MQCA_ENV_DATA
ProcessDesc	MQCHAR64	MQCA_PROCESS_DESC
ProcessName	MQCHAR48	MQCA_PROCESS_NAME
UserData	MQCHAR128	MQCA_USER_DATA

Notes:

1. On Version 5 products, or later, the process definition object is optional in the case of triggering channels.
2. Process definitions are not supported on Windows Version 2.0, Windows Version 2.1, or VSE/ESA.
3. This attribute applies to Version 5.1 products and OS/390 only.

Queue manager attributes

Table 50. Attributes of a queue manager

Attribute	Data type	Name of Selector
AlterationDate (5)	MQCHAR12	MQCA_ALTERATION_DATE
AlterationTime (5)	MQCHAR8	MQCA_ALTERATION_TIME
AuthorityEvent (2)	MQLONG	MQIA_AUTHORITY_EVENT
CodedCharSetId	MQLONG	MQIA_CODED_CHAR_SET_ID
ClusterWorkloadData (5)	MQCHAR32	MQCA_CLUSTER_WORKLOAD_DATA
ClusterWorkloadExit (5)	MQCHARn	MQCA_CLUSTER_WORKLOAD_EXIT
ClusterWorkloadLength (5)	MQLONG	MQCA_CLUSTER_WORKLOAD_LENGTH

Table 50. Attributes of a queue manager (continued)

Attribute	Data type	Name of Selector
CommandInputQName	MQCHAR48	MQCA_COMMAND_INPUT_Q_NAME
CommandLevel	MQLONG	MQIA_COMMAND_LEVEL
DeadLetterQName (2, 3)	MQCHAR48	MQCA_DEAD_LETTER_Q_NAME
DefXmitQName	MQCHAR48	MQCA_DEF_XMIT_Q_NAME
DistLists (4)	MQLONG	MQIA_DIST_LISTS
InhibitEvent (2)	MQLONG	MQIA_INHIBIT_EVENT
LocalEvent (2)	MQLONG	MQIA_LOCAL_EVENT
MaxHandles	MQLONG	MQIA_MAX_HANDLES
MaxMsgLength	MQLONG	MQIA_MAX_MSG_LENGTH
MaxPriority	MQLONG	MQIA_MAX_PRIORITY
MaxUncommittedMsgs	MQLONG	MQIA_MAX_UNCOMMITTED_MSGS
PerformanceEvent (2)	MQLONG	MQIA_PERFORMANCE_EVENT
Platform	MQLONG	MQIA_PLATFORM
QMgrDesc	MQCHAR64	MQCA_Q_MGR_DESC
QMgrIdentifier (5)	MQCHAR48	MQCA_Q_MGR_NAME
QMgrName	MQCHAR48	MQCA_Q_MGR_NAME
RemoteEvent (2)	MQLONG	MQIA_REMOTE_EVENT
RepositoryName (5)	MQCHAR48	MQCA_REPOSITORY_NAME
RepositoryNamelist (5)	MQCHAR48	MQCA_REPOSITORY_NAMELIST
StartStopEvent (2)	MQLONG	MQIA_START_STOP_EVENT
SyncPoint	MQLONG	MQIA_SYNCPOINT
TriggerInterval (2, 3)	MQLONG	MQIA_TRIGGER_INTERVAL

Notes:
1. Queue manager attributes are not supported on VSE/ESA.
2. This attribute does not apply to Windows Version 2.0.
3. This attribute does not apply to Windows Version 2.1.
4. This attribute applies to Version 5 products, or later, and AS/400 only.
5. This attribute applies to Version 5.1 products and OS/390 only.

Queue manager

Chapter 5. MQI constants

Full details of the MQI call constants are in the *MQSeries Application Programming Reference* manual. Full details of the events, commands, and responses constants are in the *MQSeries Programmable System Management* book.

The information in these tables applies to all platforms except where indicated by an X.

Note: The presence or absence of an X is not an indication of whether the constant is supplied in the MQI header. In the case of input fields, for example, MQIA_*, the system does not *act on* those indicated with an X. In the case of output fields, for example, MQRC_*, the system does not *generate* those indicated with an X.

MQ_* (Lengths of character string and byte fields)

Table 51. MQ_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQ_ABEND_CODE_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_ACCOUNTING_TOKEN_LENGTH							X			32	00000020
MQ_APPL_IDENTITY_DATA_LENGTH							X			32	00000020
MQ_APPL_NAME_LENGTH							X			28	0000001C
MQ_APPL_ORIGIN_DATA_LENGTH							X			4	00000004
MQ_ATTENTION_ID_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_AUTHENTICATOR_LENGTH		X	X	X	X	X	X	X	X	8	00000008
MQ_BRIDGE_NAME_LENGTH		X	X	X	X	X	X	X	X	24	00000018
MQ_CANCEL_CODE_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_CHANNEL_DATE_LENGTH							X			12	0000000C
MQ_CHANNEL_DESC_LENGTH							X			64	00000040
MQ_CHANNEL_NAME_LENGTH							X			20	00000014
MQ_CHANNEL_TIME_LENGTH							X			8	00000008
MQ_CLUSTER_NAME_LENGTH				(1)	X	X	X	X		48	00000030
MQ_CONN_NAME_LENGTH							X			264	00000108
MQ_CORREL_ID_LENGTH							X			24	00000018
MQ_CREATION_DATE_LENGTH										12	0000000C
MQ_CREATION_TIME_LENGTH										8	00000008
MQ_DATE_LENGTH				(1)	X	X	X	X		12	0000000C
MQ_EXIT_DATA_LENGTH							X			32	00000020

Table 51. MQ_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQ_EXIT_NAME_LENGTH		X	X	X	X	X		X	X	8	00000008
	X	X		X	X	X	X	X	X	20	00000014
	X		X				X			128	00000080
MQ_EXIT_USER_AREA_LENGTH							X			16	00000010
MQ_FACILITY_LENGTH		X	X	X	X	X	X	X	X	8	00000008
MQ_FACILITY_LIKE_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_FORMAT_LENGTH							X			8	00000008
MQ_FUNCTION_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_GROUP_ID_LENGTH	X			(1)	X	X	X			24	00000018
MQ_LTERM_OVERRIDE_LENGTH		X	X	X	X	X	X	X	X	8	00000008
MQ_LUWID_LENGTH							X			16	00000010
MQ_MCA_JOB_NAME_LENGTH							X			28	0000001C
MQ_MCA_NAME_LENGTH							X			20	00000014
MQ_MFS_MAP_NAME_LENGTH		X	X	X	X	X	X	X	X	8	00000008
MQ_MODE_NAME_LENGTH							X			8	00000008
MQ_MSG_HEADER_LENGTH							X			4000	00000FA0
MQ_MSG_ID_LENGTH							X			24	00000018
MQ_MSG_TOKEN_LENGTH				(1)	X	X	X	X		16	00000010
MQ_NAMELIST_DESC_LENGTH				(1)	X	X	X	X		64	00000040
MQ_NAMELIST_NAME_LENGTH				(1)	X	X	X	X		48	00000030
MQ_OBJECT_INSTANCE_ID_LENGTH	X			(1)	X	X	X	X		24	00000018
MQ_OBJECT_NAME_LENGTH							X			48	00000030
MQ_PASSWORD_LENGTH							X			12	0000000C
MQ_PROCESS_APPL_ID_LENGTH							X			256	00000100
MQ_PROCESS_DESC_LENGTH							X			64	00000040
MQ_PROCESS_ENV_DATA_LENGTH							X			128	00000080
MQ_PROCESS_NAME_LENGTH							X			48	00000030
MQ_PROCESS_USER_DATA_LENGTH							X			128	00000080
MQ_PUT_APPL_NAME_LENGTH							X			28	0000001C
MQ_PUT_DATE_LENGTH							X			8	00000008
MQ_PUT_TIME_LENGTH							X			8	00000008
MQ_Q_DESC_LENGTH										64	00000040
MQ_Q_MGR_DESC_LENGTH										64	00000040

Table 51. MQ_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQ_Q_MGR_IDENTIFIER							X			48	00000030
MQ_Q_MGR_NAME_LENGTH										48	00000030
MQ_Q_NAME_LENGTH										48	00000030
MQ_REMOTE_SYS_ID_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_SECURITY_ID_LENGTH	X			(1)	X	X	X	X		32	00000020
MQ_SERVICE_NAME_LENGTH				(1)	X	X	X	X		32	00000020
MQ_SERVICE_STEP_LENGTH				(1)	X	X	X	X		8	00000008
MQ_SHORT_CONN_NAME_LENGTH							X			20	00000014
MQ_START_CODE_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_STORAGE_CLASS_LENGTH		X	X	X	X	X	X	X	X	8	00000008
MQ_TIME_LENGTH				(1)	X	X	X	X		8	00000008
MQ_TOTAL_EXIT_DATA_LENGTH	X									999	000003E7
MQ_TOTAL_EXIT_NAME_LENGTH	X						X			999	000003E7
MQ_TP_NAME_LENGTH							X			64	00000040
MQ_TRAN_INSTANCE_ID_LENGTH		X	X	X	X	X	X	X	X	16	00000010
MQ_TRANSACTION_ID_LENGTH		X	X	X	X	X	X	X	X	4	00000004
MQ_TRIGGER_DATA_LENGTH										64	00000040
MQ_USER_ID_LENGTH							X			12	0000000C

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQACT_* (Accounting token)

Table 52. MQACT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQACT_NONE										32 nulls

MQACTT_* (Accounting token type)

Table 53. MQACTT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQACTT_UNKNOWN				(1)	X	X	X	X		00
MQACTT_CICS_LUOW_ID				(1)	X	X	X	X		01
MQACTT_OS2_DEFAULT				(1)	X	X	X	X		04
MQACTT_DOS_DEFAULT				(1)	X	X	X	X		05
MQACTT_UNIX_NUMERIC_ID				(1)	X	X	X	X		06
MQACTT_OS400_ACCOUNT_TOKEN				(1)	X	X	X	X		08
MQACTT_WINDOWS_DEFAULT				(1)	X	X	X	X		09
MQACTT_NT_SECURITY_ID				(1)	X	X	X	X		0b
MQACTT_USER				(1)	X	X	X	X		19

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQAT_* (Application type)

Table 54. MQAT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQAT_DEFAULT										(1)	(1)
MQAT_UNKNOWN										-1	FFFFFFFF
MQAT_NO_CONTEXT										0	00000000
MQAT_CICS										1	00000001
MQAT_MVS										2	00000002
MQAT_IMS										3	00000003
MQAT_OS2										4	00000004
MQAT_DOS										5	00000005
MQAT_AIX										6	00000006
MQAT_UNIX										6	00000006
MQAT_QMGR										7	00000007
MQAT_OS400										8	00000008

Table 54. MQAT_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQAT_WINDOWS										9	00000009
MQAT_CICS_VSE										10	0000000A
MQAT_WINDOWS_NT										11	0000000B
MQAT_VMS										12	0000000C
MQAT_NSK										13	0000000D
MQAT_GUARDIAN										13	0000000D
MQAT_VOS										14	0000000E
MQAT_IMS_BRIDGE										19	00000013
MQAT_XCF										20	00000014
MQAT_CICS_BRIDGE		X	X	X	X	X	X	X	X	21	00000015
MQAT_USER_FIRST										65536	00010000
MQAT_USER_LAST										999999999	3B9AC9FF

Note:
1. Environment specific

MQBO_* (Begin options)

Table 55. MQBO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQBO_NONE	X		X	(1)	X	X	X	X		0	00000000

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQBO_* (Begin options structure identifier)

Table 56. MQBO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQBO_STRUC_ID	X		X	(1)	X	X	X	X		BOb
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQBO_* (Begin options version)

Table 57. MQBO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQBO_VERSION_1	X		X	(1)	X	X	X	X		1 00000001
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQCA_* (Character attribute selector)

Table 58. MQCA_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCA_FIRST										2001 000007D1
MQCA_APPL_ID							X			2001 000007D1
MQCA_BASE_Q_NAME										2002 000007D2
MQCA_COMMAND_INPUT_Q_NAME							X			2003 000007D3
MQCA_CREATION_DATE										2004 000007D4
MQCA_CREATION_TIME										2005 000007D5
MQCA_DEAD_LETTER_Q_NAME							X	X		2006 000007D6
MQCA_ENV_DATA										2007 000007D7
MQCA_INITIATION_Q_NAME										2008 000007D8
MQCA_NAMELIST_DESC		X	X	X	X	X	X	X	X	2009 000007D9

Table 58. MQCA_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCA_NAMELIST_NAME		X	X	X	X	X	X	X	X	2010	000007DA
MQCA_PROCESS_DESC							X			2011	000007DB
MQCA_PROCESS_NAME							X			2012	000007DC
MQCA_Q_DESC										2013	000007DD
MQCA_Q_MGR_DESC							X			2014	000007DE
MQCA_Q_MGR_NAME										2015	000007DF
MQCA_Q_NAME										2016	000007E0
MQCA_REMOTE_Q_MGR_NAME										2017	000007E1
MQCA_REMOTE_Q_NAME										2018	000007E2
MQCA_BACKOUT_REQ_Q_NAME							X			2019	000007E3
MQCA_NAMES		X	X	X	X	X	X	X	X	2020	000007E4
MQCA_USER_DATA							X			2021	000007E5
MQCA_STORAGE_CLASS		X	X	X	X	X	X	X	X	2022	000007E6
MQCA_TRIGGER_DATA							X	X		2023	000007E7
MQCA_XMIT_Q_NAME							X			2024	000007E8
MQCA_DEF_XMIT_Q_NAME							X			2025	000007E9
MQCA_CHANNEL_AUTO_DEF_EXIT	X			(1)	X	X	X	X		2026	000007EA
MQCA_ALTERATION_DATE				(1)	X	X	X	X		2027	000007EB
MQCA_ALTERATION_TIME				(1)	X	X	X	X		2028	000007EC
MQCA_CLUSTER_NAME				(1)	X	X	X	X		2029	000007ED
MQCA_CLUSTER_NAMELIST				(1)	X	X	X	X		2030	000007EE
MQCA_CLUSTER_Q_MGR_NAME				(1)	X	X	X	X		2031	000007EF
MQCA_CLUSTER_Q_MGR_IDENTIFIER				(1)	X	X	X	X		2032	000007F0
MQCA_CLUSTER_WORKLOAD_EXIT				(1)	X	X	X	X		2033	000007F1
MQCA_CLUSTER_WORKLOAD_DATA				(1)	X	X	X	X		2034	000007F2
MQCA_REPOSITORY_NAME				(1)	X	X	X	X		2035	000007F3
MQCA_REPOSITORY_NAMELIST				(1)	X	X	X	X		2036	000007F4
MQCA_CLUSTER_DATE				(1)	X	X	X	X		2037	000007F5
MQCA_CLUSTER_TIME				(1)	X	X	X	X		2038	000007F6
MQCA_LAST_USED										variable	
MQCA_LAST										4000	00000FA0

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQCC_* (Completion code)

Table 59. MQCC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCC_UNKNOWN								X		-1 FFFFFFFF
MQCC_OK										0 00000000
MQCC_WARNING										1 00000001
MQCC_FAILED										2 00000002

MQCCSI_* (Coded character set identifier)

Table 60. MQCCSI_* constants

Constant		Decimal Hex.
MQCCSI_EMBEDDED		-1 FFFFFFFF
MQCCSI_DEFAULT		0 00000000
MQCCSI_Q_MGR		0 00000000

MQCFUN_* (CICS header function name)

Table 61. MQCFUN_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQCFUNC_MQCONN		X	X	X	X	X	X	X	X	CONN
MQCFUNC_MQGET		X	X	X	X	X	X	X	X	GETb
MQCFUNC_MQINQ		X	X	X	X	X	X	X	X	INQb
MQCFUNC_MQOPEN		X	X	X	X	X	X	X	X	OPEN
MQCFUNC_MQPUT		X	X	X	X	X	X	X	X	PUTb
MQCFUNC_MQPUT1		X	X	X	X	X	X	X	X	PUT1
MQCFUNC_NONE		X	X	X	X	X	X	X	X	bbbb

MQCGWI_* (CICS header get-wait interval)

Table 62. MQCGWI_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCGWI_DEFAULT		X	X	X	X	X	X	X	X	-2 FFFFFFFE

MQCI_* (Correlation identifier)

Table 63. MQCI_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQCI_NONE										24 nulls
MQCI_NEW_SESSION							X			414D51214E45575F534553

MQCIH_* (CICS header flags)

Table 64. MQCIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCIH_NONE		X	X	X	X	X	X	X	X	0 00000000

MQCIH_* (CICS header length)

Table 65. MQCIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCIH_LENGTH_1		X	X	X	X	X	X	X	X	164 000000A4
MQCIH_LENGTH_2		X	X	X	X	X	X	X	X	180 000000B4

MQCIH_* (CICS header structure identifier)

Table 66. MQCIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQCIH_STRUC_ID		X	X	X	X	X	X	X	X	CIHb

MQCIH_* (CICS header version)

Table 67. MQCIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCIH_VERSION_1		X	X	X	X	X	X	X	X	1 00000001
MQCIH_VERSION_2		X	X	X	X	X	X	X	X	2 00000002

MQCLT_* (CICS header link type)

Table 68. MQCLT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCLT_PROGRAM		X	X	X	X	X	X	X	X	1 00000001
MQCLT_TRANSACTION		X	X	X	X	X	X	X	X	2 00000002

MQCMDL_* (Command level)

Table 69. MQCMDL_* constants

Constant		Decimal Hex.
MQCMDL_LEVEL_1		100 00000064
MQCMDL_LEVEL_101		101 00000065
MQCMDL_LEVEL_110		110 0000006E
MQCMDL_LEVEL_114		114 00000072
MQCMDL_LEVEL_120		120 00000078

Table 69. MQCMDL_* constants (continued)

Constant		Decimal Hex.
MQCMDL_LEVEL_200		200 000000C8
MQCMDL_LEVEL_201		201 000000C9
MQCMDL_LEVEL_210		210 000000D2
MQCMDL_LEVEL_220		220 000000DC
MQCMDL_LEVEL_221		221 000000DD
MQCMDL_LEVEL_320		320 00000140
MQCMDL_LEVEL_420		420 000001A4
MQCMDL_LEVEL_500		500 000001F4
MQCMDL_LEVEL_510		510 000001FE

MQCNO_* (Connect options)

Table 70. MQCNO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQCNO_NONE	X			(1)	X	X	X	X		0 00000000
MQCNO_STANDARD_BINDING	X			(1)	X	X	X	X		0 00000000
MQCNO_FASTPATH_BINDING	X			(1)	X	X	X	X		1 00000001

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQCNO_* (Connect options structure identifier)

Table 71. MQCNO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQCNO_STRUC_ID	X			(1)	X	X	X	X		CNOb

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQCNO_* (Connect options version)

Table 72. MQCNO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCNO_VERSION_1	X			(1)	X	X	X	X		1	00000001
MQCNO_VERSION_2	X			(1)	X	X	X			2	00000002
MQCNO_CURRENT_VERSION	X			(1)	X	X	X			2	00000002

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQCO_* (Close options)

Table 73. MQCO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCO_NONE										0	00000000
MQCO_DELETE							X	X		1	00000001
MQCO_DELETE_PURGE							X	X		2	00000002

MQCODL_* (CICS header output data length)

Table 74. MQCODL_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCODL_AS_INPUT		X	X	X	X	X	X	X	X	-1	FFFFFFFF

MQCQT_* (Cluster queue type)

Table 75. MQCQT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCQT_LOCAL_Q				(1)	X	X	X	X		1	00000001
MQCQT_ALIAS_Q				(1)	X	X	X	X		2	00000002
MQCQT_REMOTE_Q				(1)	X	X	X	X		3	00000003
MQCQT_Q_MGR_ALIAS				(1)	X	X	X	X		4	00000004

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQCRC_* (CICS header return code)

Table 76. MQCRC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCRC_OK		X	X	X	X	X	X	X	X	0	00000000
MQCRC_CICS_EXEC_ERROR		X	X	X	X	X	X	X	X	1	00000001
MQCRC_MQ_API_ERROR		X	X	X	X	X	X	X	X	2	00000002
MQCRC_BRIDGE_ERROR		X	X	X	X	X	X	X	X	3	00000003
MQCRC_BRIDGE_ABEND		X	X	X	X	X	X	X	X	4	00000004
MQCRC_APPLICATION_ABEND		X	X	X	X	X	X	X	X	5	00000005
MQCRC_SECURITY_ERROR		X	X	X	X	X	X	X	X	6	00000006
MQCRC_PROGRAM_NOT_AVAILABLE		X	X	X	X	X	X	X	X	7	00000007
MQCRC_BRIDGE_TIMEOUT		X	X	X	X	X	X	X	X	8	00000008
MQCRC_TRANSID_NOT_AVAILABLE		X	X	X	X	X	X	X	X	9	00000009

MQCUOW_* (CICS header unit-of-work control)

Table 77. MQCUOW_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQCUOWC_MIDDLE		X	X	X	X	X	X	X	X	16	00000016
MQCUOWC_FIRST		X	X	X	X	X	X	X	X	17	00000011
MQCUOWC_COMMIT		X	X	X	X	X	X	X	X	256	00000100
MQCUOWC_LAST		X	X	X	X	X	X	X	X	272	00000110
MQCUOWC_ONLY		X	X	X	X	X	X	X	X	273	00000111
MQCUOWC_BACKOUT		X	X	X	X	X	X	X	X	4352	00001100
MQCUOWC_CONTINUE		X	X	X	X	X	X	X	X	65536	00010000

MQDCC_* (Convert-characters masks and factors)

Table 78. MQDCC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDCC_SOURCE_ENC_FACTOR							X	X		16	00000010
MQDCC_SOURCE_ENC_MASK							X	X		240	000000F0
MQDCC_TARGET_ENC_FACTOR							X	X		256	00000100
MQDCC_TARGET_ENC_MASK							X	X		3840	00000F00

MQDCC_* (Convert-characters option)

Table 79. MQDCC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDCC_NONE							X	X		0	00000000
MQDCC_SOURCE_ENC_UNDEFINED							X	X		0	00000000
MQDCC_TARGET_ENC_UNDEFINED							X	X		0	00000000
MQDCC_DEFAULT_CONVERSION							X	X		1	00000001

Table 79. MQDCC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDCC_FILL_TARGET_BUFFER							X	X		2	00000002
MQDCC_SOURCE_ENC_NORMAL							X	X		16	00000010
MQDCC_SOURCE_ENC_REVERSED							X	X		32	00000020
MQDCC_TARGET_ENC_NORMAL							X	X		256	00000100
MQDCC_TARGET_ENC_REVERSED							X	X		512	00000200
MQDCC_SOURCE_ENC_NATIVE							X	X			
MQDCC_TARGET_ENC_NATIVE							X	X			

MQDH_* (Distribution header structure identifier)

Table 80. MQDH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQDH_STRUC_ID	X			(1)	X	X	X	X		DHbb

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQDH_* (Distribution header version)

Table 81. MQDH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDH_VERSION_1	X			(1)	X	X	X	X		1	00000001

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQDHF_* (Distribution header flags)

Table 82. MQDHF_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDHF_NONE	X			(1)	X	X	X	X		0	00000000
MQDHF_NEW_MSG_IDS	X			(1)	X	X	X	X		1	00000001

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQDL_* (Distribution list support)

Table 83. MQDL_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDL_NOT_SUPPORTED	X			(1)	X	X	X	X		0	00000000
MQDL_SUPPORTED	X			(1)	X	X	X	X		1	00000001

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQDLH_* (Dead-letter header structure identifier)

Table 84. MQDLH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDLH_STRUC_ID								X		DLHb	

MQDLH_* (Dead-letter header structure version)

Table 85. MQDLH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQDLH_VERSION_1								X		1	00000001

MQDXP_* (Data-conversion exit identifier)

Table 86. MQDXP_* constants

Constant		Value
MQDXP_STRUC_ID		DXP þ

MQDXP_* (Data-conversion exit version)

Table 87. MQDXP_* constants

Constant		Decimal	Hex.
MQDXP_VERSION_1		1	00000001

MQEC_* (Signal event control block completion code)

Table 88. MQEC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQEC_MSG_ARRIVED		X	X	X	X	X	X	(1)	X	2	00000002
MQEC_WAIT_INTERVAL_EXPIRED		X	X	X	X	X	X	(1)	X	3	00000003
MQEC_WAIT_CANCELED		X	X	X	X	X	X	(1)	X	4	00000004
MQEC_Q_MGR_QUIESCING		X	X	X	X	X	X	X	X	5	00000005
MQEC_CONNECTION_QUIESCING		X	X	X	X	X	X	X	X	6	00000006

Note:
1. Supported on Windows Version 2.1 only

MQEI_* (Expiry interval)

Table 89. MQEI_* constants

Constant		Decimal	Hex.
MQEI_UNLIMITED		-1	FFFFFFFF

MQENC_* (Encoding)

Table 90. MQENC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQENC_NATIVE	X	(1)	X	X	X	X	X	(1)	(1)	17	00000011
	X	X						X	X	273	00000111
	X	(2)	X	X	X	X	X	(2)	(2)	546	00000222
		X	X	X	X	X	X	X	X	785	00000311

Notes::
1. Applies to COBOL only
2. Applies to C programs and also to DOS and Windows clients

MQENC_* (Encoding mask)

Table 91. MQENC_* constants

Constant		Decimal	Hex.
MQENC_INTEGER_MASK		15	0000000F
MQENC_DECIMAL_MASK		240	000000F0
MQENC_FLOAT_MASK		3840	00000F00
MQENC_RESERVED_MASK		-4096	FFFFF000

MQENC_* (Encoding for packed-decimal integers)

Table 92. MQENC_* constants

Constant		Decimal	Hex.
MQENC_DECIMAL_UNDEFINED		0	00000000
MQENC_DECIMAL_NORMAL		16	00000010
MQENC_DECIMAL_REVERSED		32	00000020

MQENC_* (Encoding for floating-point numbers)

Table 93. MQENC_* constants

Constant		Decimal	Hex.
MQENC_FLOAT_UNDEFINED		0	00000000
MQENC_FLOAT_IEEE_NORMAL		256	00000100
MQENC_FLOAT_IEEE_REVERSED		512	00000200
MQENC_FLOAT_S390		768	00000300

MQENC_* (Encoding for binary integers)

Table 94. MQENC_* constants

Constant		Decimal	Hex.
MQENC_INTEGER_UNDEFINED		0	00000000
MQENC_INTEGER_NORMAL		1	00000001
MQENC_INTEGER_REVERSED		2	00000002

MQEVR_* (Event reporting)

Table 95. MQEVR_* constants

Constant		Decimal	Hex.
MQEVR_DISABLED		0	00000000
MQEVR_ENABLED		1	00000001

MQFB_* (Feedback)

Table 96. MQFB_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQFB_NONE										0	00000000
MQFB_SYSTEM_FIRST							X			1	00000001
MQFB_QUIT							X			256	00000100
MQFB_EXPIRATION							X			258	00000102
MQFB_COA										259	00000103
MQFB_COD										260	00000104
MQFB_CHANNEL_COMPLETED										262	00000106
MQFB_CHANNEL_FAIL_RETRY							X			263	00000107

Table 96. MQFB_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQFB_CHANNEL_FAIL							X			264	00000108
MQFB_APPL_CANNOT_BE_STARTED							X			265	00000109
MQFB_TM_ERROR							X	X		266	0000010A
MQFB_APPL_TYPE_ERROR							X			267	0000010B
MQFB_STOPPED_BY_MSG_EXIT							X			268	0000010C
MQFB_XMIT_Q_MSG_ERROR							X			271	0000010F
MQFB_PAN	X			(1)	X	X	X	X		275	0000010G
MQFB_NAN	X			(1)	X	X	X	X		276	0000010H
MQFB_STOPPED_BY_CHAD_EXIT				(1)	X	X	X	X		277	00000000
MQFB_DATA_LENGTH_ZERO		X	X	X	X	X	X	X	X	291	00000123
MQFB_DATA_LENGTH_NEGATIVE		X	X	X	X	X	X	X	X	292	00000124
MQFB_DATA_LENGTH_TOO_BIG		X	X	X	X	X	X	X	X	293	00000125
MQFB_BUFFER_OVERFLOW		X	X	X	X	X	X	X	X	294	00000126
MQFB_LENGTH_OFF_BY_ONE		X	X	X	X	X	X	X	X	295	00000127
MQFB_IIH_ERROR		X	X	X	X	X	X	X	X	296	00000128
MQFB_NOT_AUTHORIZED_FOR_IMS		X	X	X	X	X	X	X	X	298	0000012A
MQFB_IMS_ERROR		X	X	X	X	X	X	X	X	300	0000012C
MQFB_IMS_FIRST		X	X	X	X	X	X	X	X	301	0000012D
MQFB_IMS_LAST		X	X	X	X	X	X	X	X	399	0000018F
MQFB_CICS_INTERNAL_ERROR		X	X	X	X	X	X	X	X	401	00000191
MQFB_CICS_NOT_AUTHORIZED		X	X	X	X	X	X	X	X	402	00000192
MQFB_CICS_BRIDGE_FAILURE		X	X	X	X	X	X	X	X	403	00000193
MQFB_CICS_CORREL_ID_ERROR		X	X	X	X	X	X	X	X	404	00000194
MQFB_CICS_CCSID_ERROR		X	X	X	X	X	X	X	X	405	00000195
MQFB_CICS_ENCODING_ERROR		X	X	X	X	X	X	X	X	406	00000196
MQFB_CICS_CIH_ERROR		X	X	X	X	X	X	X	X	407	00000197
MQFB_CICS_UOW_ERROR		X	X	X	X	X	X	X	X	408	00000198
MQFB_CICS_COMMAREA_ERROR		X	X	X	X	X	X	X	X	409	00000199
MQFB_CICS_APPL_NOT_STARTED		X	X	X	X	X	X	X	X	410	0000019A
MQFB_CICS_APPL_ABENDED		X	X	X	X	X	X	X	X	411	0000019B
MQFB_CICS_DLQ_ERROR		X	X	X	X	X	X	X	X	412	0000019C
MQFB_CICS_UOW_BACKED_OUT		X	X	X	X	X	X	X	X	413	0000019D
MQFB_SYSTEM_LAST										65535	0000FFFF

Table 96. MQFB_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQFB_APPL_FIRST										65536 00010000
MQFB_APPL_LAST										999999999 3B9AC9FF
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQFMT_* (Format)

Table 97. MQFMT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQFMT_NONE							X			bbbbbbbb
MQFMT_ADMIN							X			MQADMINb
MQFMT_CHANNEL_COMPLETED							X			MQCHCOMb
MQFMT_CICS		X	X	X	X	X	X	X	X	MQCICSbb
MQFMT_COMMAND_1							X			MQCMD1bb
MQFMT_COMMAND_2							X			MQCMD2bb
MQFMT_DEAD_LETTER_HEADER							X	X		MQDEADbb
MQFMT_DIST_HEADER	X			(1)	X	X	X	X		MQDISTbb
MQFMT_EVENT							X			MQEVENTb
MQFMT_IMS		X	X	X	X	X	X	X	X	MQIMSbbb
MQFMT_IMS_VAR_STRING		X	X	X	X	X	X	X	X	MQIMSVSb
MQFMT_MD_EXTENSION	X			(1)	X	X	X	X		MQHMDEbb
MQFMT_PCF							X			MQPCFbbb
MQFMT_REF_MSG_HEADER	X			(1)	X	X	X	X		MQHREFbb
MQFMT_STRING							X			MQSTRbbb
MQFMT_TRIGGER								X		MQTRIGbb
MQFMT_XMIT_Q_HEADER							X			MQXMITbb
MQFMT_WORK_INFO_HEADER		X	X	X	X	X	X	X	X	MQHWIHbb
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQGI_* (Group identifier)

Table 98. MQGI_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQGI_NONE	X			(1)	X	X	X	X		24 nulls

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQGMO_* (Get-message options)

Table 99. MQGMO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQGMO_NO_WAIT										0	00000000
MQGMO_NONE										0	00000000
MQGMO_WAIT										1	00000001
MQGMO_SYNCPOINT										2	00000002
MQGMO_NO_SYNCPOINT										4	00000004
MQGMO_SET_SIGNAL		X	X	X	X			(1)	X	8	00000008
MQGMO_BROWSE_FIRST										16	00000010
MQGMO_BROWSE_NEXT										32	00000020
MQGMO_ACCEPT_TRUNCATED_MSG										64	00000040
MQGMO_MARK_SKIP_BACKOUT		X	X	X	X	X	X	X	X	128	00000080
MQGMO_MSG_UNDER_CURSOR										256	00000100
MQGMO_LOCK	X					X	X	X		512	00000200
MQGMO_UNLOCK	X					X	X	X		1024	00000400
MQGMO_BROWSE_MSG_UNDER_CURSOR	X						X			2048	00000800
MQGMO_SYNCPOINT_IF_PERSISTENT								X		4096	00001000
MQGMO_FAIL_IF_QUIESCING										8192	00002000
MQGMO_CONVERT								X		16384	00004000
MQGMO_LOGICAL_ORDER	X			(2)	X	X	X	X		32768	00008000
MQGMO_COMPLETE_MSG	X			(2)	X	X	X	X		65536	00010000
MQGMO_ALL_MSGS_AVAILABLE	X			(2)	X	X	X	X		131072	00020000

Table 99. MQGMO_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQGMO_ALL_SEGMENTS_AVAILABLE	X			(2)	X	X	X	X		262144 00040000

Notes::
1. Supported on Windows Version 2.1 only
2. Supported on AIX, HP-UX, and Sun Solaris only

MQGMO_* (Get-message options structure identifier)

Table 100. MQGMO_* constants

Constant		Value
MQGMO_STRUC_ID		GMOb

MQGMO_* (Get-message options version)

Table 101. MQGMO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQGMO_VERSION_1										1 00000001
MQGMO_VERSION_2	X			(1)	X	X	X	X		2 00000002
MQGMO_VERSION_3		X	X	X	X	X	X	X	X	3 00000003

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQGS_* (Group status)

Table 102. MQGS_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQGS_NOT_IN_GROUP	X			(1)	X	X	X	X		b
MQGS_MSG_IN_GROUP	X			(1)	X	X	X	X		G
MQGS_LAST_MSG_IN_GROUP	X			(1)	X	X	X	X		L

Table 102. MQGS_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQHC_* (Connect handle)

Table 103. MQHC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQHC_DEF_HCONN		X		X	X	X	X	X	X	0 00000000
MQHC_UNUSABLE_HCONN	X						X			-1 FFFFFFFF

MQHO_* (Object handle)

Table 104. MQHO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQHO_UNUSABLE_HOBJ	X						X			-1 FFFFFFFF

MQIA_* (Integer attribute selector)

Table 105. MQIA_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIA_FIRST										1 00000001
MQIA_APPL_TYPE							X			1 00000001
MQIA_CODED_CHAR_SET_ID							X			2 00000002
MQIA_CURRENT_Q_DEPTH										3 00000003

Table 105. MQIA_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQIA_DEF_INPUT_OPEN_OPTION							X			4	00000004
MQIA_DEF_PERSISTENCE										5	00000005
MQIA_DEF_PRIORITY							X			6	00000006
MQIA_DEFINITION_TYPE										7	00000007
MQIA_HARDEN_GET_BACKOUT							X			8	00000008
MQIA_INHIBIT_GET										9	00000009
MQIA_INHIBIT_PUT										10	0000000A
MQIA_MAX_HANDLES							X			11	0000000B
MQIA_USAGE							X			12	0000000C
MQIA_MAX_MSG_LENGTH										13	0000000D
MQIA_MAX_PRIORITY							X			14	0000000E
MQIA_MAX_Q_DEPTH										15	0000000F
MQIA_MSG_DELIVERY_SEQUENCE							X			16	00000010
MQIA_OPEN_INPUT_COUNT										17	00000011
MQIA_OPEN_OUTPUT_COUNT										18	00000012
MQIA_NAME_COUNT		X	X	X	X	X	X	X	X	19	00000013
MQIA_Q_TYPE										20	00000014
MQIA_RETENTION_INTERVAL							X			21	00000015
MQIA_BACKOUT_THRESHOLD							X			22	00000016
MQIA_SHAREABILITY										23	00000017
MQIA_TRIGGER_CONTROL								X		24	00000018
MQIA_TRIGGER_INTERVAL							X	X		25	00000019
MQIA_TRIGGER_MSG_PRIORITY							X	X		26	0000001A
MQIA_TRIGGER_TYPE								X		28	0000001C
MQIA_TRIGGER_DEPTH							X	X		29	0000001D
MQIA_SYNCPOINT										30	0000001E
MQIA_COMMAND_LEVEL							X			31	0000001F
MQIA_PLATFORM							X			32	00000020
MQIA_MAX_UNCOMMITTED_MSGS							X			33	00000021
MQIA_DIST_LISTS	X			(1)	X	X	X	X		34	00000022
MQIA_TIME_SINCE_RESET	X						X	(2)		35	00000023
MQIA_HIGH_Q_DEPTH	X						X	(2)		36	00000024
MQIA_MSG_ENQ_COUNT	X						X	(2)		37	00000025

Table 105. MQIA_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIA_MSG_DEQ_COUNT	X						X	(2)		38 00000026
MQIA_Q_DEPTH_HIGH_LIMIT	X						X	(2)		40 00000028
MQIA_Q_DEPTH_LOW_LIMIT	X						X	(2)		41 00000029
MQIA_Q_DEPTH_MAX_EVENT	X						X	(2)		42 0000002A
MQIA_Q_DEPTH_HIGH_EVENT	X						X	(2)		43 0000002B
MQIA_Q_DEPTH_LOW_EVENT	X						X	(2)		44 0000002C
MQIA_SCOPE	X		X			X	X	X		45 0000002D
MQIA_Q_SERVICE_INTERVAL_EVENT	X						X	(2)		46 0000002E
MQIA_AUTHORITY_EVENT	X						X	(2)		47 0000002F
MQIA_INHIBIT_EVENT	X						X	(2)		48 00000030
MQIA_LOCAL_EVENT	X						X	(2)		49 00000031
MQIA_REMOTE_EVENT	X						X	(2)		50 00000032
MQIA_START_STOP_EVENT	X						X	(2)		52 00000034
MQIA_PERFORMANCE_EVENT	X						X	(2)		53 00000035
MQIA_Q_SERVICE_INTERVAL	X						X	(2)		54 00000036
MQIA_CHANNEL_AUTO_DEF	X			(1)	X	X	X	X		55 00000037
MQIA_CHANNEL_AUTO_DEF_EVENT	X			(1)	X	X	X	X		56 00000038
MQIA_INDEX_TYPE		X		X	X	X	X	X	X	57 00000039
MQIA_CLUSTER_WORKLOAD_LENGTH				(1)	X	X	X	X		58 0000003A
MQIA_CLUSTER_Q_TYPE				(1)	X	X	X	X		59 0000003B
MQIA_DEF_BIND				(1)	X	X	X	X		61 0000003D
MQIA_ARCHIVE							X			60 0000003C
MQIA_LAST_USED							X			variable
MQIA_LAST										2000 000007D0

Notes::
1. Supported on AIX, HP-UX, and Sun Solaris only
2. Supported on Windows Version 2.1 only

MQIAUT_* (IMS authenticator)

Table 106. MQIAUT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQIAUT_NONE		X	X	X	X	X	X	X	X	b'bbbbbbbb'

MQIAV_* (Integer attribute value)

Table 107. MQIAV_* constants

Constant		Decimal Hex.
MQIAV_NOT_APPLICABLE		-1 FFFFFFFF
MQIAV_UNDEFINED		-2 FFFFFFFE

MQICM_* (IMS commit mode)

Table 108. MQICM_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQICM_COMMIT_THEN_SEND		X	X	X	X	X	X	X	X	0
MQICM_SEND_THEN_COMMIT		X	X	X	X	X	X	X	X	1

MQIIH_* (IMS header flags)

Table 109. MQIIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIIH_NONE		X	X	X	X	X	X	X	X	0 00000000

MQIIH_* (IMS header length)

Table 110. MQIIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIIH_LENGTH_1		X	X	X	X	X	X	X	X	84 00000054

MQIIH_* (IMS header structure identifier)

Table 111. MQIIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQIIH_STRUC_ID		X	X	X	X	X	X	X	X	IIHb

MQIIH_* (IMS header version)

Table 112. MQIIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIIH_VERSION_1		X	X	X	X	X	X	X	X	1 00000001

MQISS_* (IMS security scope)

Table 113. MQISS_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQISS_CHECK		X	X	X	X	X	X	X	X	C
MQISS_FULL		X	X	X	X	X	X	X	X	F

MQIT_* (Index type)

Table 114. MQIT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQIT_NONE		X	X	X	X	X	X	X	X	0 00000000
MQIT_MSG_ID		X	X	X	X	X	X	X	X	1 00000001
MQIT_CORREL_ID		X	X	X	X	X	X	X	X	2 00000002
MQIT_MSG_TOKEN		X	X	X	X	X	X	X	X	4 00000004

MQITII_* (IMS transaction instance identifier)

Table 115. MQITII_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQITII_NONE		X	X	X	X	X	X	X	X	16 nulls

MQITS_* (IMS transaction state)

Table 116. MQITS_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQITS_IN_CONVERSATION		X	X	X	X	X	X	X	X	C
MQITS_NOT_IN_CONVERSATION		X	X	X	X	X	X	X	X	b

MQMD_* (Message descriptor structure identifier)

Table 117. MQMD_* constants

Constant		Value
MQMD_STRUC_ID		MDbb

MQMD_* (Message descriptor version)

Table 118. MQMD_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQMD_VERSION_1										1 00000001
MQMD_VERSION_2	X			(1)	X	X	X	X		2 00000002

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQMDE_* (Message descriptor extension length)

Table 119. MQMDE_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQMDE_LENGTH_2	X			(1)	X	X	X	X		72 00000048

MQMDE_* (Message descriptor extension structure identifier)

Table 120. MQMDE_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQMDE_STRUC_ID	X			(1)	X	X	X	X		MDEb

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQMDE_* (Message descriptor extension version)

Table 121. MQMDE_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQMDE_VERSION_2	X			(1)	X	X	X	X		2 00000002
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQMDEF_* (Message descriptor extension flags)

Table 122. MQMDEF_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQMDEF_NONE	X			(1)	X	X	X	X		0 00000000
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQMDS_* (Message delivery sequence)

Table 123. MQMDS_* constants

Constant		Decimal Hex.
MQMDS_PRIORITY		0 00000000
MQMDS_FIFO		1 00000001

MQMF_* (Message flags)

Table 124. MQMF_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQMF_SEGMENTATION_INHIBITED	X			(1)	X	X	X	X		0 00000000
MQMF_NONE	X			(1)	X	X	X	X		0 00000000
MQMF_SEGMENTATION_ALLOWED	X			(1)	X	X	X	X		1 00000001

Table 124. MQMF_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQMF_SEGMENT	X			(1)	X	X	X	X		2	00000002
MQMF_LAST_SEGMENT	X			(1)	X	X	X	X		4	00000004
MQMF_MSG_IN_GROUP	X			(1)	X	X	X	X		8	00000008
MQMF_LAST_MSG_IN_GROUP	X			(1)	X	X	X	X		16	00000010

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQMF_* (Message flags masks)

Table 125. MQMF_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQMF_ACCEPT_UNSUP_MASK	X			(1)	X	X	X	X		-1048576	FFF00000
MQMF_ACCEPT_UNSUP_IF_XMIT_MASK	X			(1)	X	X	X	X		1044480	000FF000
MQMF_REJECT_UNSUP_MASK	X			(1)	X	X	X	X		4095	00000FFF

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQMI_* (Message identifier)

Table 126. MQMI_* constants

Constant		Value
MQMI_NONE		24 nulls

MQMO_* (Match options)

Table 127. MQMO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQMO_NONE				(1)	X	X	X	X		0	00000000

Table 127. MQMO_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQMO_MATCH_MSG_ID				(1)	X	X	X	X		1	00000001
MQMO_MATCH_CORREL_ID				(1)	X	X	X	X		2	00000002
MQMO_MATCH_GROUP_ID	X			(1)	X	X	X	X		4	00000004
MQMO_MATCH_MSG_SEQ_NUMBER	X			(1)	X	X	X	X		8	00000008
MQMO_MATCH_OFFSET	X			(1)	X	X	X	X		16	00000010
MQMO_MATCH_MSG_TOKEN				(1)	X	X	X	X		32	00000020

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQMT_* (Message type)

Table 128. MQMT_* constants

Constant		Decimal	Hex.
MQMT_SYSTEM_FIRST		1	00000001
MQMT_REQUEST		1	00000001
MQMT_REPLY		2	00000002
MQMT_REPORT		4	00000004
MQMT_DATAGRAM		8	00000008
MQMT_SYSTEM_LAST		65535	0000FFFF
MQMT_APPL_FIRST		65536	00010000
MQMT_APPL_LAST		999999999	3B9AC9FF

MQMTOK_* (Message token)

Table 129. MQMTOK_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQMTOK_NONE		X	X	X	X	X	X	X	X	16 nulls

MQNC_* (Name count)

Table 130. MQNC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQNC_MAX_NAMELIST_NAME_COUNT				(1)	X	X	X	X		256 00000100

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQOD_* (Object descriptor length)

Table 131. MQOD_* constants

Constant		Decimal Hex.
MQOD_CURRENT_LENGTH		environment specific

MQOD_* (Object descriptor structure identifier)

Table 132. MQOD_* constants

Constant		Value
MQOD_STRUC_ID		ODbb

MQOD_* (Object descriptor version)

Table 133. MQOD_* constants

Constant		Decimal Hex.
MQOD_VERSION_1		1 00000001
MQOD_VERSION_2		2 00000002
MQOD_VERSION_3		3 00000003
MQOD_CURRENT_VERSION		3 00000003

MQOII_* (Object instance identifier)

Table 134. MQOII_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQOII_NONE		X	X	X	X	X	X	X	X	24 nulls

MQOL_* (Original length)

Table 135. MQOL_* constants

Constant		Decimal	Hex.
MQOL_UNDEFINED		-1	FFFFFFFF

MQOO_* (Open options)

Table 136. MQOO_* constants

Constant		Decimal	Hex.
MQOO_INPUT_AS_Q_DEF		1	00000001
MQOO_INPUT_SHARED		2	00000002
MQOO_INPUT_EXCLUSIVE		4	00000004
MQOO_BROWSE		8	00000008
MQOO_OUTPUT		16	00000010
MQOO_INQUIRE		32	00000020
MQOO_SET		64	00000040
MQOO_SAVE_ALL_CONTEXT		128	00000080
MQOO_PASS_IDENTITY_CONTEXT		256	00000100
MQOO_PASS_ALL_CONTEXT		512	00000200
MQOO_SET_IDENTITY_CONTEXT		1024	00000400
MQOO_SET_ALL_CONTEXT		2048	00000800
MQOO_ALTERNATE_USER_AUTHORITY		4096	00001000
MQOO_FAIL_IF_QUIESCING		8192	00002000
MQOO_BIND_AS_Q_DEF		0	00000000
MQOO_BIND_ON_OPEN		16384	00004000
MQOO_BIND_NOT_FIXED		32768	00008000

MQOT_* (Object type)

Table 137. MQOT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQOT_Q										1	00000001
MQOT_NAMELIST				(1)	X	X	X	X		2	00000002
MQOT_PROCESS							X			3	00000003
MQOT_Q_MGR							X			5	00000005

Table 137. MQOT_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQOT_CHANNEL							X			6	00000006
MQOT_RESERVED_1		X	X	X	X	X	X	X	X	7	00000007
MQOT_ALL							X			1001	000003E9
MQOT_ALIAS_Q							X			1002	000003EA
MQOT_MODEL_Q							X			1003	000003EB
MQOT_LOCAL_Q							X			1004	000003EC
MQOT_REMOTE_Q							X			1005	000003ED
MQOT_SENDER_CHANNEL							X			1007	000003EF
MQOT_SERVER_CHANNEL							X			1008	000003F0
MQOT_REQUESTER_CHANNEL							X			1009	000003F1
MQOT_RECEIVER_CHANNEL							X			1010	000003F2
MQOT_CURRENT_CHANNEL							X			1011	000003F3
MQOT_SAVED_CHANNEL							X			1012	000003F4

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQPER_* (Persistence)

Table 138. MQPER_* constants

Constant		Decimal	Hex.
MQPER_NOT_PERSISTENT		0	00000000
MQPER_PERSISTENT		1	00000001
MQPER_PERSISTENCE_AS_Q_DEF		2	00000002

MQPL_* (Platform)

Table 139. MQPL_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQPL_MVS		X	X	X	X	X	X	X	X	1	00000001
MQPL_OS2	X		X	X	X	X	X	X	X	2	00000002

Table 139. MQPL_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQPL_AIX	X	X	X		X	X	X	X	X	3	00000003
MQPL_UNIX	X	X	X		X	X	X	X	X	3	00000003
MQPL_OS400	X	X		X	X	X	X	X	X	4	00000004
MQPL_WINDOWS	X	X	X	X	X	X	X		X	5	00000005
MQPL_WINDOWS_NT	X	X	X	X	X	X	X	X		11	0000000B
MQPL_VMS	X	X	X	X		X	X	X	X	12	0000000C
MQPL_NSK	X	X	X	X	X		X	X	X	13	0000000D

MQPMO_* (Put-message options)

Table 140. MQPMO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQPMO_NONE										0	00000000
MQPMO_SYNCPOINT										2	00000002
MQPMO_NO_SYNCPOINT										4	00000004
MQPMO_DEFAULT_CONTEXT							X			32	00000020
MQPMO_NEW_MSG_ID	X			(1)	X	X	X	X		64	00000040
MQPMO_NEW_CORREL_ID	X			(1)	X	X	X	X		128	00000080
MQPMO_PASS_IDENTITY_CONTEXT							X			256	00000100
MQPMO_PASS_ALL_CONTEXT							X	X		512	00000200
MQPMO_SET_IDENTITY_CONTEXT							X			1024	00000400
MQPMO_SET_ALL_CONTEXT							X			2048	00000800
MQPMO_ALTERNATE_USER_AUTHORITY							X			4096	00001000
MQPMO_FAIL_IF_QUIESCING							X			8192	00002000
MQPMO_NO_CONTEXT							X			16384	00004000
MQPMO_LOGICAL_ORDER	X			(1)	X	X	X	X		32768	00008000

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQPMO_* (Put-message options structure length)

Table 141. MQPMO_* constants

Constant		Decimal Hex.
MQPMO_CURRENT_LENGTH		environment specific

MQPMO_* (Put-message options structure identifier)

Table 142. MQPMO_* constants

Constant		Value
MQPMO_STRUC_ID		PMOb

MQPMO_* (Put-message options structure version)

Table 143. MQPMO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQPMO_VERSION_1										1 00000001
MQPMO_VERSION_2	X			(1)	X	X	X	X		2 00000002

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQPMRF_* (Put-message record field flags)

Table 144. MQPMRF_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQPMRF_NONE	X			(1)	X	X	X	X		0 00000000
MQPMRF_MSG_ID	X			(1)	X	X	X	X		1 00000001
MQPMRF_CORREL_ID	X			(1)	X	X	X	X		2 00000002
MQPMRF_GROUP_ID	X			(1)	X	X	X	X		4 00000004
MQPMRF_FEEDBACK	X			(1)	X	X	X	X		8 00000008
MQPMRF_ACCOUNTING_TOKEN	X			(1)	X	X	X	X		16 00000010

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQPRI_* (Priority)

Table 145. MQPRI_* constants

Constant		Decimal	Hex.
MQPRI_PRIORITY_AS_Q_DEF		-1	FFFFFFFF

MQQA_* (Inhibit get)

Table 146. MQQA_* constants

Constant		Decimal	Hex.
MQQA_GET_ALLOWED		0	00000000
MQQA_GET_INHIBITED		1	00000001

MQQA_* (Inhibit put)

Table 147. MQQA_* constants

Constant		Decimal	Hex.
MQQA_PUT_ALLOWED		0	00000000
MQQA_PUT_INHIBITED		1	00000001

MQQA_* (Backout hardening)

Table 148. MQQA_* constants

Constant		Decimal	Hex.
MQQA_BACKOUT_NOT_HARDENED		0	00000000
MQQA_BACKOUT_HARDENED		1	00000001

MQQA_* (Queue shareability)

Table 149. MQQA_* constants

Constant		Decimal	Hex.
MQQA_NOT_SHAREABLE		0	00000000
MQQA_SHAREABLE		1	00000001

MQQDT_* (Queue definition type)

Table 150. MQQDT_* constants

Constant		Decimal	Hex.
MQQDT_PREDEFINED		1	00000001
MQQDT_PERMANENT_DYNAMIC		2	00000002
MQQDT_TEMPORARY_DYNAMIC		3	00000003

MQQSIE_* (Service interval events)

Table 151. MQQSIE_* constants

Constant		Decimal	Hex.
MQQSIE_NONE		0	00000000
MQQSIE_HIGH		1	00000001
MQQSIE_OK		2	00000002

MQQT_* (Queue type)

Table 152. MQQT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQQT_LOCAL										1	00000001
MQQT_MODEL										2	00000002
MQQT_ALIAS										3	00000003
MQQT_REMOTE										6	00000006
MQQT_CLUSTER				(1)	X	X	X	X		7	00000007
MQQT_ALL					X	X	X	(2)		1001	000003E9

Notes::
1. Supported on AIX, HP-UX, and Sun Solaris only
2. Supported on Windows 2.1 only

MQRC_* (Reason code)

Table 153. MQRC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_NONE										0	00000000
MQRC_ALIAS_BASE_Q_TYPE_ERROR										2001	000007D1
MQRC_ALREADY_CONNECTED										2002	000007D2
MQRC_BACKED_OUT							X			2003	000007D3
MQRC_BUFFER_ERROR										2004	000007D4
MQRC_BUFFER_LENGTH_ERROR										2005	000007D5
MQRC_CHAR_ATTR_LENGTH_ERROR										2006	000007D6

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_CHAR_ATTRS_ERROR										2007	000007D7
MQRC_CHAR_ATTRS_TOO_SHORT										2008	000007D8
MQRC_CONNECTION_BROKEN										2009	000007D9
MQRC_DATA_LENGTH_ERROR										2010	000007DA
MQRC_DYNAMIC_Q_NAME_ERROR										2011	000007DB
MQRC_ENVIRONMENT_ERROR							X			2012	000007DC
MQRC_EXPIRY_ERROR										2013	000007DD
MQRC_FEEDBACK_ERROR										2014	000007DE
MQRC_GET_INHIBITED										2016	000007E0
MQRC_HANDLE_NOT_AVAILABLE										2017	000007E1
MQRC_HCONN_ERROR										2018	000007E2
MQRC_HOBJ_ERROR										2019	000007E3
MQRC_INHIBIT_VALUE_ERROR										2020	000007E4
MQRC_INT_ATTR_COUNT_ERROR										2021	000007E5
MQRC_INT_ATTR_COUNT_TOO_SMALL										2022	000007E6
MQRC_INT_ATTRS_ARRAY_ERROR										2023	000007E7
MQRC_SYNCPOINT_LIMIT_REACHED							X			2024	000007E8
MQRC_MAX_CONNS_LIMIT_REACHED										2025	000007E9
MQRC_MD_ERROR										2026	000007EA
MQRC_MISSING_REPLY_TO_Q										2027	000007EB
MQRC_MSG_TYPE_ERROR										2029	000007ED
MQRC_MSG_TOO_BIG_FOR_Q										2030	000007EE
MQRC_MSG_TOO_BIG_FOR_Q_MGR							X			2031	000007EF
MQRC_NO_MSG_AVAILABLE										2033	000007F1
MQRC_NO_MSG_UNDER_CURSOR										2034	000007F2
MQRC_NOT_AUTHORIZED										2035	000007F3
MQRC_NOT_OPEN_FOR_BROWSE										2036	000007F4
MQRC_NOT_OPEN_FOR_INPUT										2037	000007F5
MQRC_NOT_OPEN_FOR_INQUIRE										2038	000007F6
MQRC_NOT_OPEN_FOR_OUTPUT										2039	000007F7
MQRC_NOT_OPEN_FOR_SET										2040	000007F8
MQRC_OBJECT_CHANGED										2041	000007F9
MQRC_OBJECT_IN_USE										2042	000007FA

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_OBJECT_TYPE_ERROR										2043	000007FB
MQRC_OD_ERROR										2044	000007FC
MQRC_OPTION_NOT_VALID_FOR_TYPE										2045	000007FD
MQRC_OPTIONS_ERROR										2046	000007FE
MQRC_PERSISTENCE_ERROR										2047	000007FF
MQRC_PERSISTENT_NOT_ALLOWED										2048	00000800
MQRC_PRIORITY_EXCEEDS_MAXIMUM	X									2049	00000801
MQRC_PRIORITY_ERROR										2050	00000802
MQRC_PUT_INHIBITED										2051	00000803
MQRC_Q_DELETED							X			2052	00000804
MQRC_Q_FULL										2053	00000805
MQRC_Q_NOT_EMPTY							X			2055	00000807
MQRC_Q_SPACE_NOT_AVAILABLE	X									2056	00000808
MQRC_Q_TYPE_ERROR							X			2057	00000809
MQRC_Q_MGR_NAME_ERROR										2058	0000080A
MQRC_Q_MGR_NOT_AVAILABLE										2059	0000080B
MQRC_REPORT_OPTIONS_ERROR										2061	0000080D
MQRC_SECOND_MARK_NOT_ALLOWED		X	X	X	X	X	X	X	X	2062	0000080E
MQRC_SECURITY_ERROR							X			2063	0000080F
MQRC_SELECTOR_COUNT_ERROR										2065	00000811
MQRC_SELECTOR_LIMIT_EXCEEDED										2066	00000812
MQRC_SELECTOR_ERROR										2067	00000813
MQRC_SELECTOR_NOT_FOR_TYPE										2068	00000814
MQRC_SIGNAL_OUTSTANDING		X	X	X	X	X	X	(2)	X	2069	00000815
MQRC_SIGNAL_REQUEST_ACCEPTED		X	X	X	X	X	X	(2)	X	2070	00000816
MQRC_STORAGE_NOT_AVAILABLE										2071	00000817
MQRC_SYNCPOINT_NOT_AVAILABLE	X									2072	00000818
MQRC_TRIGGER_CONTROL_ERROR							X	X		2075	0000081B
MQRC_TRIGGER_DEPTH_ERROR							X	X		2076	0000081C
MQRC_TRIGGER_MSG_PRIORITY_ERR							X	X		2077	0000081D
MQRC_TRIGGER_TYPE_ERROR							X	X		2078	0000081E
MQRC_TRUNCATED_MSG_ACCEPTED										2079	0000081F
MQRC_TRUNCATED_MSG_FAILED										2080	00000820

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_UNKNOWN_ALIAS_BASE_Q										2082	00000822
MQRC_UNKNOWN_OBJECT_NAME										2085	00000825
MQRC_UNKNOWN_OBJECT_Q_MGR										2086	00000826
MQRC_UNKNOWN_REMOTE_Q_MGR										2087	00000827
MQRC_WAIT_INTERVAL_ERROR										2090	0000082A
MQRC_XMIT_Q_TYPE_ERROR										2091	0000082B
MQRC_XMIT_Q_USAGE_ERROR										2092	0000082C
MQRC_NOT_OPEN_FOR_PASS_ALL										2093	0000082D
MQRC_NOT_OPEN_FOR_PASS_IDENT										2094	0000082E
MQRC_NOT_OPEN_FOR_SET_ALL										2095	0000082F
MQRC_NOT_OPEN_FOR_SET_IDENT										2096	00000830
MQRC_CONTEXT_HANDLE_ERROR							X			2097	00000831
MQRC_CONTEXT_NOT_AVAILABLE							X			2098	00000832
MQRC_SIGNAL1_ERROR		X	X	X	X	X	X	(2)	X	2099	00000833
MQRC_OBJECT_ALREADY_EXISTS							X			2100	00000834
MQRC_OBJECT_DAMAGED	X									2101	00000835
MQRC_RESOURCE_PROBLEM	X						X			2102	00000836
MQRC_ANOTHER_Q_MGR_CONNECTED	X						X			2103	00000837
MQRC_UNKNOWN_REPORT_OPTION							X			2104	00000838
MQRC_STORAGE_CLASS_ERROR		X	X	X	X	X	X	X	X	2105	00000839
MQRC_COD_NOT_VALID_FOR_XCF_Q		X	X	X	X	X	X	X	X	2106	0000083A
MQRC_XWAIT_CANCELED		X	X	X	X	X	X	X	X	2107	0000083B
MQRC_XWAIT_ERROR		X	X	X	X	X	X	X	X	2108	0000083C
MQRC_SUPPRESSED_BY_EXIT		X	X	X	X	X	X	X	X	2109	0000083D
MQRC_FORMAT_ERROR							X			2110	0000083E
MQRC_SOURCE_CCSID_ERROR							X			2111	0000083F
MQRC_SOURCE_INTEGER_ENC_ERROR							X			2112	00000840
MQRC_SOURCE_DECIMAL_ENC_ERROR							X			2113	00000841
MQRC_SOURCE_FLOAT_ENC_ERROR							X			2114	00000842
MQRC_TARGET_CCSID_ERROR							X			2115	00000843
MQRC_TARGET_INTEGER_ENC_ERROR							X			2116	00000844
MQRC_TARGET_DECIMAL_ENC_ERROR							X			2117	00000845
MQRC_TARGET_FLOAT_ENC_ERROR							X			2118	00000846

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_NOT_CONVERTED							X			2119	00000847
MQRC_CONVERTED_MSG_TOO_BIG							X			2120	00000848
MQRC_NO_EXTERNAL_PARTICIPANTS	X			(1)	X	X	X	X		2121	00000849
MQRC_PARTICIPANT_NOT_AVAILABLE	X			(1)	X	X	X	X		2122	0000084A
MQRC_OUTCOME_MIXED	X			(1)	X	X	X	X		2123	0000084B
MQRC_OUTCOME_PENDING	X			(1)	X	X	X	X		2124	0000084C
MQRC_BRIDGE_STARTED		X	X	X	X	X	X	X	X	2125	0000084D
MQRC_BRIDGE_STOPPED		X	X	X	X	X	X	X	X	2126	0000084E
MQRC_ADAPTER_STORAGE_SHORTAGE		X	X	X	X	X	X	X	X	2127	0000084F
MQRC_UOW_IN_PROGRESS	X			(1)	X	X	X	X		2128	00000850
MQRC_ADAPTER_CONN_LOAD_ERROR		X	X	X	X	X	X	X	X	2129	00000851
MQRC_ADAPTER_SERV_LOAD_ERROR		X	X	X	X	X	X	X	X	2130	00000852
MQRC_ADAPTER_DEFS_ERROR		X	X	X	X	X	X	X	X	2131	00000853
MQRC_ADAPTER_DEFS_LOAD_ERROR		X	X	X	X	X	X	X	X	2132	00000854
MQRC_ADAPTER_CONV_LOAD_ERROR		X	X	X	X	X	X	X	X	2133	00000855
MQRC_BO_ERROR	X			(1)	X	X	X	X		2134	00000856
MQRC_DH_ERROR	X			(1)	X	X	X	X		2135	00000857
MQRC_MULTIPLE_REASONS	X			(1)	X	X	X	X		2136	00000858
MQRC_OPEN_FAILED	X			(1)	X	X	X	X		2137	00000859
MQRC_ADAPTER_DISC_LOAD_ERROR		X	X	X	X	X	X	X	X	2138	0000085A
MQRC_CNO_ERROR	X			(1)	X	X	X	X		2139	0000085B
MQRC_CICS_WAIT_FAILED		X	X	X	X	X	X	X	X	2140	0000085C
MQRC_DLH_ERROR	X			(1)	X	X	X	X		2141	0000085D
MQRC_HEADER_ERROR	X			(1)	X	X	X	X		2142	0000085E
MQRC_SOURCE_LENGTH_ERROR							X			2143	0000085F
MQRC_TARGET_LENGTH_ERROR							X			2144	00000860
MQRC_SOURCE_BUFFER_ERROR							X			2145	00000861
MQRC_TARGET_BUFFER_ERROR							X			2146	00000862
MQRC_IIH_ERROR	X				X	X	X	X		2148	00000864
MQRC_PCF_ERROR	X				X	X	X			2149	00000865
MQRC_DBCS_ERROR							X			2150	00000866
MQRC_OBJECT_NAME_ERROR	X			(1)	X	X	X	X		2152	00000868
MQRC_OBJECT_Q_MGR_NAME_ERROR	X			(1)	X	X	X	X		2153	00000869

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_RECS_PRESENT_ERROR	X			(1)	X	X	X	X		2154	0000086A
MQRC_OBJECT_RECORDS_ERROR	X			(1)	X	X	X	X		2155	0000086B
MQRC_RESPONSE_RECORDS_ERROR	X			(1)	X	X	X	X		2156	0000086C
MQRC_ASID_MISMATCH		X	X	X	X	X	X	X	X	2157	0000086D
MQRC_PMO_RECORD_FLAGS_ERROR	X			(1)	X	X	X	X		2158	0000086E
MQRC_PUT_MSG_RECORDS_ERROR	X			(1)	X	X	X	X		2159	0000086F
MQRC_CONN_ID_IN_USE		X	X	X	X	X	X	X	X	2160	00000870
MQRC_Q_MGR_QUIESCING							X			2161	00000871
MQRC_Q_MGR_STOPPING							X			2162	00000872
MQRC_DUPLICATE_RECOV_COORD		X	X	X	X	X	X	X	X	2163	00000873
MQRC_PMO_ERROR										2173	0000087D
MQRC_API_EXIT_LOAD_ERROR		X	X	X	X	X	X	X	X	2183	00000887
MQRC_REMOTE_Q_NAME_ERROR							X			2184	00000888
MQRC_INCONSISTENT_PERSISTENCE	X				X	X	X			2185	00000889
MQRC_GMO_ERROR										2186	0000088A
MQRC_CICS_BRIDGE_RESTRICTION		X	X	X	X	X	X	X	X	2187	0000088B
MQRC_STOPPED_BY_CLUSTER_EXIT				(1)	X	X	X	X		2188	0000088C
MQRC_CLUSTER_RESOLUTION_ERROR				(1)	X	X	X	X		2189	0000088D
MQRC_CONVERTED_STRING_TOO_BIG				(1)	X	X	X	X		2190	0000088E
MQRC_TMC_ERROR	X				X	X	X	X		2191	0000088F
MQRC_PAGESET_FULL		X	X	X	X	X	X	X	X	2192	00000890
MQRC_PAGESET_ERROR		X	X	X	X	X	X	X	X	2193	00000891
MQRC_NAME_NOT_VALID_FOR_TYPE							X			2194	00000892
MQRC_UNEXPECTED_ERROR										2195	00000893
MQRC_UNKNOWN_XMIT_Q							X			2196	00000894
MQRC_UNKNOWN_DEF_XMIT_Q							X			2197	00000895
MQRC_DEF_XMIT_Q_TYPE_ERROR							X			2198	00000896
MQRC_DEF_XMIT_Q_USAGE_ERROR							X			2199	00000897
MQRC_NAME_IN_USE		X	X	X	X	X	X	X	X	2201	00000899
MQRC_CONNECTION_QUIESCING		X	X	X	X	X	X	X	X	2202	0000089A
MQRC_CONNECTION_STOPPING		X	X	X	X	X	X	X	X	2203	0000089B
MQRC_ADAPTER_NOT_AVAILABLE		X	X	X	X	X	X	X	X	2204	0000089C
MQRC_NO_MSG_LOCKED	X									2209	000008A1

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_CONNECTION_NOT_AUTHORIZED		X	X	X	X	X	X	X	X	2217	000008A9
MQRC_MSG_TOO_BIG_FOR_CHANNEL							X			2218	000008AA
MQRC_CALL_IN_PROGRESS							X			2219	000008AB
MQRC_RMH_ERROR	X			(1)	X	X	X	X		2220	000008AC
MQRC_Q_MGR_ACTIVE							X			2222	000008AE
MQRC_Q_MGR_NOT_ACTIVE							X			2223	000008AF
MQRC_Q_DEPTH_HIGH							X			2224	000008B0
MQRC_Q_DEPTH_LOW							X			2225	000008B1
MQRC_Q_SERVICE_INTERVAL_HIGH							X			2226	000008B2
MQRC_Q_SERVICE_INTERVAL_OK							X			2227	000008B3
MQRC_UNIT_OF_WORK_NOT_STARTED	X	X	X	X	X		X	X	X	2232	000008B8
MQRC_CHANNEL_AUTO_DEF_OK	X				X	X	X	X		2233	000008B9
MQRC_CHANNEL_AUTO_DEF_ERROR	X				X	X	X	X		2234	000008BA
MQRC_CFH_ERROR	X				X	X	X			2235	000008BB
MQRC_CFIL_ERROR	X				X	X	X			2236	000008BC
MQRC_CFIN_ERROR	X				X	X	X			2237	000008BD
MQRC_CFSL_ERROR	X				X	X	X			2238	000008BE
MQRC_CFST_ERROR	X				X	X	X			2239	000008BF
MQRC_INCOMPLETE_GROUP	X			(1)	X	X	X	X		2241	000008C1
MQRC_INCOMPLETE_MSG	X			(1)	X	X	X	X		2242	000008C2
MQRC_INCONSISTENT_CCSIDS	X			(1)	X	X	X	X		2243	000008C3
MQRC_INCONSISTENT_ENCODINGS	X			(1)	X	X	X	X		2244	000008C4
MQRC_INCONSISTENT_UOW	X			(1)	X	X	X	X		2245	000008C5
MQRC_INVALID_MSG_UNDER_CURSOR	X			(1)	X	X	X	X		2246	000008C6
MQRC_MATCH_OPTIONS_ERROR	X			(1)	X	X	X	X		2247	000008C7
MQRC_MDE_ERROR	X			(1)	X	X	X	X		2248	000008C8
MQRC_MSG_FLAGS_ERROR	X			(1)	X	X	X	X		2249	000008C9
MQRC_MSG_SEQ_NUMBER_ERROR	X			(1)	X	X	X	X		2250	000008CA
MQRC_OFFSET_ERROR	X			(1)	X	X	X	X		2251	000008CB
MQRC_ORIGINAL_LENGTH_ERROR	X			(1)	X	X	X	X		2252	000008CC
MQRC_SEGMENT_LENGTH_ZERO	X			(1)	X	X	X	X		2253	000008CD
MQRC_UOW_NOT_AVAILABLE	X			(1)	X	X	X	X		2255	000008CF
MQRC_WRONG_GMO_VERSION	X			(1)	X	X	X	X		2256	000008D0

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_WRONG_MD_VERSION	X			(1)	X	X	X	X		2257	000008D1
MQRC_GROUP_ID_ERROR	X			(1)	X	X	X	X		2258	000008D2
MQRC_INCONSISTENT_BROWSE	X			(1)	X	X	X	X		2259	000008D3
MQRC_XQH_ERROR	X				X	X	X			2260	000008D4
MQRC_SRC_ENV_ERROR	X			(1)	X	X	X	X		2261	000008D5
MQRC_SRC_NAME_ERROR	X			(1)	X	X	X	X		2262	000008D6
MQRC_DEST_ENV_ERROR	X			(1)	X	X	X	X		2263	000008D7
MQRC_DEST_NAME_ERROR	X			(1)	X	X	X	X		2264	000008D8
MQRC_TM_ERROR	X				X	X	X	X		2265	000008D9
MQRC_CLUSTER_EXIT_ERROR				(1)	X	X	X	X		2266	000008E0
MQRC_CLUSTER_EXIT_LOAD_ERROR				(1)	X	X	X	X		2267	000008E1
MQRC_NO_DESTINATIONS_AVAILABLE				(1)	X	X	X	X		2270	000008E4
MQRC_CD_ERROR	X			(1)	X	X	X			2277	000008E8
MQRC_CLIENT_CONN_ERROR	X			(1)	X	X	X			2278	000008E8
MQRC_HCONFIG_ERROR	X		X				X	X		2280	000008E8
MQRC_FUNCTION_ERROR	X		X				X	X		2281	000008E9
MQRC_CHANNEL_STARTED							X			2282	000008EA
MQRC_CHANNEL_STOPPED							X			2283	000008EB
MQRC_CHANNEL_CONV_ERROR							X			2284	000008EC
MQRC_SERVICE_NOT_AVAILABLE	X		X				X	X		2285	000008ED
MQRC_INITIALIZATION_FAILED	X		X				X	X		2286	000008EE
MQRC_TERMINATION_FAILED	X		X				X	X		2287	000008EF
MQRC_UNKNOWN_Q_NAME	X		X				X	X		2288	000008F0
MQRC_SERVICE_ERROR	X		X				X	X		2289	000008F1
MQRC_Q_ALREADY_EXISTS	X		X				X	X		2290	000008F2
MQRC_USER_ID_NOT_AVAILABLE	X		X				X	X		2291	000008F3
MQRC_UNKNOWN_ENTITY	X		X					X		2292	000008F4
MQRC_UNKNOWN_AUTH_ENTITY	X		X				X	X		2293	000008F5
MQRC_UNKNOWN_REF_OBJECT	X		X				X	X		2294	000008F6
MQRC_CHANNEL_ACTIVATED							X			2295	000008F7
MQRC_CHANNEL_NOT_ACTIVATED							X			2296	000008F8
MQRC_UOW_CANCELED	X	X	X	X	X		X	X	X	2297	000008F9
MQRC_COMMAND_TYPE_ERROR	X			(1)	X	X	X	X		2300	000008FC

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRC_MULTIPLE_INSTANCE_ERROR	X			(1)	X	X	X	X		2301	000008FD
MQRC_SYSTEM_ITEM_NOT_ALTERABLE	X			(1)	X	X	X	X		2302	000008FE
MQRC_BAG_CONVERSION_ERROR	X			(1)	X	X	X	X		2303	000008FF
MQRC_SELECTOR_OUT_OF_RANGE	X			(1)	X	X	X	X		2304	00000900
MQRC_SELECTOR_NOT_UNIQUE	X			(1)	X	X	X	X		2305	00000901
MQRC_INDEX_NOT_PRESENT	X			(1)	X	X	X	X		2306	00000902
MQRC_STRING_ERROR	X			(1)	X	X	X	X		2307	00000903
MQRC_ENCODING_NOT_SUPPORTED	X			(1)	X	X	X	X		2308	00000904
MQRC_SELECTOR_NOT_PRESENT	X			(1)	X	X	X	X		2309	00000905
MQRC_OUT_SELECTOR_ERROR	X			(1)	X	X	X	X		2310	00000906
MQRC_STRING_TRUNCATED	X			(1)	X	X	X	X		2311	00000907
MQRC_SELECTOR_WRONG_TYPE	X			(1)	X	X	X	X		2312	00000908
MQRC_INCONSISTENT_ITEM_TYPE	X			(1)	X	X	X	X		2313	00000909
MQRC_INDEX_ERROR	X			(1)	X	X	X	X		2314	0000090A
MQRC_SYSTEM_BAG_NOT_ALTERABLE	X			(1)	X	X	X	X		2315	0000090B
MQRC_ITEM_COUNT_ERROR	X			(1)	X	X	X	X		2316	0000090C
MQRC_FORMAT_NOT_SUPPORTED	X			(1)	X	X	X	X		2317	0000090D
MQRC_SELECTOR_NOT_SUPPORTED	X			(1)	X	X	X	X		2318	0000090E
MQRC_ITEM_VALUE_ERROR	X			(1)	X	X	X	X		2319	0000090F
MQRC_HBAG_ERROR	X			(1)	X	X	X	X		2320	00000910
MQRC_PARAMETER_MISSING	X			(1)	X	X	X	X		2321	00000911
MQRC_CMD_SERVER_NOT_AVAILABLE	X			(1)	X	X	X	X		2322	00000912
MQRC_STRING_LENGTH_ERROR	X			(1)	X	X	X	X		2323	00000913
MQRC_INQUIRY_COMMAND_ERROR	X			(1)	X	X	X	X		2324	00000914
MQRC_NESTED_BAG_NOT_SUPPORTED	X			(1)	X	X	X	X		2325	00000915
MQRC_BAG_WRONG_TYPE	X			(1)	X	X	X	X		2326	00000916
MQRC_ITEM_TYPE_ERROR	X			(1)	X	X	X	X		2327	00000917
MQRC_SYSTEM_BAG_NOT_DELETABLE	X			(1)	X	X	X	X		2328	00000918
MQRC_SYSTEM_ITEM_NOT_DELETABLE	X			(1)	X	X	X	X		2329	00000919
MQRC_CODED_CHAR_SET_ID_ERROR	X			(1)	X	X	X	X		2330	0000091A
MQRC_MSG_TOKEN_ERROR		X	X	X	X	X	X	X	X	2331	0000091B
MQRC_MISSING_WIH		X	X	X	X	X	X	X	X	2332	0000091C
MQRC_WIH_ERROR		X	X	X	X	X	X	X	X	2333	0000091D

Table 153. MQRC_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
Notes: 1. Supported on AIX, HP-UX, and Sun Solaris only 2. Supported on Windows Version 2.1 only										

MQRL_* (Returned length)

Table 154. MQRL_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQRL_UNDEFINED		X	X	X	X	X	X	X	X	-1

MQRMH_* (Reference message header structure identifier)

Table 155. MQRMH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQRMH_STRUC_ID	X			(1)	X	X	X	X		RMHb
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQRMH_* (Reference message header version)

Table 156. MQRMH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQRMH_VERSION_1	X			(1)	X	X	X	X		1 00000001
Note: 1. Supported on AIX, HP-UX, and Sun Solaris only										

MQRMHF_* (Reference message header flags)

Table 157. MQRMH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRMHF_NOT_LAST	X			(1)	X	X	X	X		0	00000000
MQRMHF_LAST	X			(1)	X	X	X	X		1	00000001

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQRO_* (Report options)

Table 158. MQRO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRO_NONE										0	00000000
MQRO_COPY_MSG_ID_TO_CORREL_ID							X			0	00000000
MQRO_NEW_MSG_ID							X			0	00000000
MQRO_DEAD_LETTER_Q	X						X			0	00000000
MQRO_PAN					X	X	X	X		1	00000001
MQRO_NAN					X	X	X	X		2	00000002
MQRO_PASS_CORREL_ID							X			64	00000040
MQRO_PASS_MSG_ID							X			128	00000080
MQRO_COA										256	00000100
MQRO_COA_WITH_DATA										768	00000300
MQRO_COA_WITH_FULL_DATA	X									1792	00000700
MQRO_COD										2048	00000800
MQRO_COD_WITH_DATA										6144	00001800
MQRO_COD_WITH_FULL_DATA	X									14336	00003800
MQRO_EXPIRATION							X			2097152	00200000
MQRO_EXPIRATION_WITH_DATA							X			6291456	00600000
MQRO_EXPIRATION_WITH_FULL_DATA	X						X			14680064	00E00000
MQRO_EXCEPTION							X			16777216	01000000
MQRO_EXCEPTION_WITH_DATA							X			50331648	03000000

Table 158. MQRO_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQRO_EXCEPTION_WITH_FULL_DATA	X						X			117440512	07000000
MQRO_DISCARD_MSG	X						X			134217728	08000000

MQRO_* (Report-options mask)

Table 159. MQRO_* constants

Constant		Decimal	Hex.
MQRO_REJECT_UNSUP_MASK		270270464	101C0000
MQRO_ACCEPT_UNSUP_MASK		-270532353	EFE000FF
MQRO_ACCEPT_UNSUP_IF_XMIT_MASK		261888	0003FF00

MQSCO_* (Queue scope)

Table 160. MQSCO_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQSCO_Q_MGR	X		X			X	X	X		1	00000001
MQSCO_CELL	X		X			X	X	X		2	00000002

MQSEG_* (Segmentation)

Table 161. MQSEG_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQSEG_INHIBITED	X			(1)	X	X	X	X		b
MQSEG_ALLOWED	X			(1)	X	X	X	X		A

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQSID_* (Security identifier)

Table 162. MQSID_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQSID_NONE	X			(1)	X	X	X	X		32 nulls
MQSID_NONE_ARRAY	X			(1)	X	X	X	X		32 nulls

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQSIDT_* (Security identifier type)

Table 163. MQSIDT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQSIDT_NONE	X			(1)	X	X	X	X		00
MQSIDT_NT_SECURITY_ID	X			(1)	X	X	X	X		01

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQSP_* (Syncpoint)

Table 164. MQSP_* constants

Constant		Decimal	Hex.
MQSP_NOT_AVAILABLE		0	00000000
MQSP_AVAILABLE		1	00000001

MQSS_* (Segment status)

Table 165. MQSS_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQSS_NOT_A_SEGMENT	X			(1)	X	X	X	X		þ

Table 165. MQSS_* constants (continued)

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQSS_LAST_SEGMENT	X			(1)	X	X	X	X		L
MQSS_SEGMENT	X			(1)	X	X	X	X		S

Note:
1. Supported on AIX, HP-UX, and Sun Solaris only

MQTC_* (Trigger control)

Table 166. MQTC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQTC_OFF							X	X		0	00000000
MQTC_ON							X	X		1	00000001

MQTM_* (Trigger message structure identifier)

Table 167. MQTM_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQTM_STRUC_ID								X		TMbb

MQTM_* (Trigger message structure version)

Table 168. MQTM_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQTM_VERSION_1								X		1	00000001

MQTMC_* (Trigger message character format structure)

Table 169. MQTMC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQTMC_STRUC_ID								X		TMC␣

MQTMC_* (Trigger message character format version)

Table 170. MQTMC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQTMC_VERSION_1	X	X		X	X	X	X	X	X	␣␣␣1
MQTMC_VERSION_2								X		␣␣␣2

MQTT_* (Trigger type)

Table 171. MQTT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQTT_NONE								X		0 00000000
MQTT_FIRST								X		1 00000001
MQTT_EVERY								X		2 00000002
MQTT_DEPTH							X	X		3 00000003

MQUS_* (Usage)

Table 172. MQUS_* constants

Constant		Decimal Hex.
MQUS_NORMAL		0 00000000
MQUS_TRANSMISSION		1 00000001

MQWI_* (Wait interval)

Table 173. MQWI_* constants

Constant		Decimal	Hex.
MQWI_UNLIMITED		-1	FFFFFFFF

MQWIH_* (Workload information header flags)

Table 174. MQWIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQWIH_NONE		X	X	X	X	X	X	X	X	0

MQWIH_* (Workload information header structure length)

Table 175. MQWIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQWIH_LENGTH_1		X	X	X	X	X	X	X	X	120

MQWIH_* (Workload information header structure identifier)

Table 176. MQWIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQWIH_STRUC_ID		X	X	X	X	X	X	X	X	WIHb

MQWIH_* (Workload information header version)

Table 177. MQWIH_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQWIH_VERSION_1		X	X	X	X	X	X	X	X	1

MQXC_* (Exit command identifier)

Table 178. MQXC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQXC_MQOPEN		X	X	X	X	X	X	X	X	1 00000001
MQXC_MQCLOSE		X	X	X	X	X	X	X	X	2 00000002
MQXC_MQGET		X	X	X	X	X	X	X	X	3 00000003
MQXC_MQPUT		X	X	X	X	X	X	X	X	4 00000004
MQXC_MQPUT1		X	X	X	X	X	X	X	X	5 00000005
MQXC_MQINQ		X	X	X	X	X	X	X	X	6 00000006
MQXC_MQSET		X	X	X	X	X	X	X	X	8 00000008
MQXC_MQBACK		X	X	X	X	X	X	X	X	9 00000009
MQXC_MQCMIT		X	X	X	X	X	X	X	X	10 0000000A

MQXCC_* (Exit response)

Table 179. MQXCC_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQXCC_SKIP_FUNCTION		X		X	X	X	X	X	X	-2 FFFFFFFE
MQXCC_SUPPRESS_FUNCTION							X			-1 FFFFFFFF
MQXCC_OK							X			0 00000000

MQXDR_* (Data-conversion exit response)

Table 180. MQXDR_* constants

Constant		Decimal Hex.
MQXDR_OK		0 00000000
MQXDR_CONVERSION_FAILED		1 00000001

MQXP_* (Exit parameter block)

Table 181. MQXP_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQXP_STRUC_ID		X	X	X	X	X	X	X	X	XPbb

MQXP_* (Exit parameter block version)

Table 182. MQXP_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal Hex.
MQXP_VERSION_1		X	X	X	X	X	X	X	X	1 00000001

MQXQH_* (Transmission queue header structure identifier)

Table 183. MQXQH_* constants

Constant		Value
MQXQH_STRUC_ID		XQHb

MQXQH_* (Transmission queue header structure version)

Table 184. MQXQH_* constants

Constant		Decimal Hex.
MQXQH_VERSION_1		1 00000001

MQXR_* (Exit reason)

Table 185. MQXR_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQXR_BEFORE		X	X	X	X	X	X	X	X	1	00000001
MQXR_AFTER		X	X	X	X	X	X	X	X	2	00000002

MQXT_* (Exit identifier)

Table 186. MQXT_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Decimal	Hex.
MQXT_API_CROSSING_EXIT		X	X	X	X	X	X	X	X	1	00000001

MQXUA_* (Exit user area)

Table 187. MQXUA_* constants

Constant	OS/390	OS/2	AS/400	UNIX systems	Digital OVMS	Tandem NSK	VSE/ESA	Windows	Windows NT	Value
MQXUA_NONE		X	X	X	X	X	X	X	X	16 nulls

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