Message Class 0020 - EntireX ACI - User Error in the API

This message class is returned when invalid arguments are specified in the API (ACI) or invalid EntireX Broker function sequences are issued. It is usually an error made by the application programmer. The situation can be examined using the error number returned. The messages have the format:

0020*nnnn*

where   0020   is the message class, and

nnnn   is the message number in the range 0000 - 9999

Overview of Messages

```
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```

00200004   **API: No Function Possible After EOC**

Explanation   The user has tried to access a conversation after finishing it with a previous `EOC` call.

Action   This is a user error. Perhaps an invalid conversation ID was specified. Check the program and correct the error.

00200006   **API: Last Message Not Found**

Explanation   This response is given to a RECEIVE call with OPTION=LAST when no data/messages have yet been received. It is not possible to look at the last message if you have not read the first one.

Action   This is a user error. Check the program and correct the error.

00200031   **API: Invalid value for :1:**

Explanation   This response is given when invalid values for the WAIT or UWTIME or UWSTATP-ADDER fields of the API are specified (for example, non-digits are given or the last character is not one of the valid time units S,M,H).

Action   This is a user error. Check the value for the field in the API of your program.

00200044   **API: Invalid error buffer ptr or length**

Explanation   The user has set the errtext_length in the Broker control block but has not provided an error buffer.

Action   This is a user error. The user should either provide an error buffer or set the errtext_length to 0.

00200047   **API: QUIESCE invalid for Attach Manager**

Explanation   Because a service registered with the option ATTACH does not run normal conversations, the DEREGISTER cannot wait for them to finish. In fact, the attachable service is no longer attachable after the DEREGISTER

Action   Do not use the DEREGISTER option QUIESCE for services that are registered as attach manager (option ATTACH)

00200048   **API: Already registered with ATTACH**

Explanation   An application can register a service either with the option ATTACH or as a normal server (without option ATTACH). The error occurs when an application attempts to do both.

Action   Do not try to register a single server as an attach manager and as a normal server simultaneously

00200052   **API: Already registered without ATTACH**

Explanation   An application can register a service either with the option ATTACH, or as a normal
                   server (without option ATTACH). The error occurs when an application attempts to do
                   both.

Action   Do not try to register a single server as a normal service and as an attach manager
                   simultaneously.

00200094   **API: MSG Truncated To Fit Receive-Buffer**

Explanation   The data/message retrieved is larger than the supplied receive buffer. The data/message
                   has been truncated to the actual length given in RECEIVE-LENGTH field of the API if
                   API version 2 or above is used.

Action   See *Error Cases* under *Using Send and Receive Buffers* for information on how to
                   respond to this error code.

00200098   **API: Function not possible if LOGON only**

Explanation   The performed function is not valid if only a LOGON call has been performed. This
                   applies to a RECEIVE, DEREGISTER or EOC function. They are not allowed right
                   after a LOGON call.

Action   Do not perform the listed function right after a LOGON. Perform a REGISTER before
                   running the DEREGISTER, perform a SEND or a RECEIVE before running an EOC and
                   accept or establish a conversation before running a RECEIVE.

00200134   **LOGON required**

Explanation   If AUTOLOGON=NO is defined in the attribute file, all participant applications must
                   perform a LOGON call as the very first Broker call and a LOGOFF call when they have
                   finished communicating with the Broker. If the user is using UOW, clients and servers
                   must do a LOGON. If AUTOLOGON=YES and a LOGON is not done, this error will occur
                   when a SEND with OPTION=SYNC is done. See AUTOLOGON under *Broker Attributes*.

Action   Make LOGON the very first call and LOGOFF the last call. If necessary, define the
                   attribute AUTOLOGON=YES in order to support automatic LOGON. However, the
                   recommended definition is to force an explicit LOGON call.

00200149   **No Error Text**

Explanation   The broker stub was unable to initialize the environment.

- Under z/OS, the EXX load library was not concatenated to the STEPLIB chain.

- Under BS2000/OSD, the EXX load library was not assigned to LINK-NAME ETBLIB.

Action   Depends on the operating system:

- z/OS: Make sure the EXX load library is concatenated to the STEPLIB chain. See *Step 4: Authorize the Broker STEPLIB Data Sets*.

- BS2000/OSD: Make sure the EXX load library is assigned to LINK-NAME ETBLIB. See *Linking the Stubs*.

00200164   **API: USER-ID and TOKEN required**

Explanation   USER-ID and TOKEN should be provided for durable subscription.

Action   Supply USER-ID and TOKEN in the Broker control block.

00200166   **Invalid OPTION/PUBLID combination**

Explanation   The OPTION / PUBLID combination in the API is invalid. For example, a CONTROL_PUBLICATION was issued with OPTION=SETUSTATUS, and no specific publication ID was given.

Action   This is a user error. Check the program and correct the error.

00200180   **API: Invalid TOPIC**

Explanation   A request was issued and no topic name was specified.

Action   Specify a topic name.

00200181   **API: Invalid User-ID**

Explanation   The value for the USER-ID field of the API is missing. The USER-ID is a mandatory parameter.

Action   This is a user error. Check the value for the USER-ID field in the API of your program.

00200182   **API: Invalid Function**

Explanation   The value for the `FUNCTION` field of the API is invalid.

Action   This is a user error. Check the value for the `FUNCTION` field in the API of your
program.

00200183   **API: Invalid CLASS/NAME/SERVICE**

Explanation   The service is missing or invalid in a Broker call that requires a service, that is, a
`REGISTER`/`DEREGISTER` or a `SEND`/`RECEIVE`/`EOC` call with no `CONV-ID`
specified.

Action   This is a user error. Make sure that at least one of the following fields has been
provided: `SERVER-CLASS`, `SERVER-NAME` or `SERVICE`. Together, these fields
define the service.

00200184   **API: Invalid SEND-LENGTH**

Explanation   The value for the `SEND-LENGTH` field of the API is missing.

Action   This is a user error. A `SEND` call always requires a send-length. Check the program and
correct the error.

00200185   **API: Invalid FUNCTION/CONVID Combination**

Explanation   The value for the `CONV-ID` field of the API is invalid, missing, or invalid in
combination with the desired function.

Action   This is a user error. A `SEND`/`RECEIVE`/`EOC`/`UNDO` call requires a valid value for the
`CONV-ID` (`CID`) field. Check the program and correct the error.

00200186   **API: Char '.'or',' not allowed in ACI CB**

Explanation   The character fields within the EntireX Broker ACI must not contain the metacharacter
'.' or ','. These characters are used as special characters in the communication protocol
between the Broker stub and the Broker.

Action   Correct the wrong character in the EntireX Broker ACI.

00200187   **API: Invalid FUNCTION/OPTION Combination**

Explanation   The FUNCTION / OPTION combination is invalid.

Action   This is a user error. Check the value for the OPTION field in conjunction with the FUNCTION field in the API of your program and correct the error.

00200188   **API: Invalid Option**

Explanation   The OPTION field of the API contains an unknown value.

Action   This is a user error. Check the value for the OPTION field in the API of your program and correct the error.

00200189   **API: Invalid RECEIVE-LENGTH**

Explanation   The value for the RECEIVE-LENGTH field of the API is missing. RECEIVE calls and blocked SEND calls always require a valid RECEIVE-LENGTH.

Action   This is a user error. Check the program and correct the error.

00200190   **API: Invalid Cmd/Info Services Version**

Explanation   The EntireX Broker kernel does not recognize the Command and Information Services
                   API version requested.

Action   This is a user error. Please check the following:

- If you are using `ETBINFO`, `ETBCMD` or any other Software AG-provided
  Command and Information Services application: Check that the version of
  `ETBINFO` or `ETBCMD` is the same or earlier than the version of the Broker kernel.

- If you are using your own Command and Information Services application: verify
  that the Command and Information Services API version will work with the
  version of EntireX. The following table shows the maximum CIS API version for
  the respective version of EntireX:

Broker/EntireX Version	Max. CIS API Version
ETB 1 or ETB 2	1
EXX 3,4,5,6	2
EXX 7.1	3
EXX 7.2	4
EXX 7.3	5
EXX 8.0 or 8.1	6
EXX 8.2	7
EXX 9.0	8

- A possible cause for this error is a `SEND-LENGTH` that is too short. Increase this
  value if necessary.

00200191   **API: Invalid OPTION/CONV-ID Combination**

Explanation   The `OPTION` / `CONV-ID` combination in the API is invalid. For example, a `SEND` was
                   issued with `OPTION=EOC` and `CONV-ID=NONE` or a `RECEIVE` with `OPTION=LAST`
                   and no specific conversation ID (`CONV-ID`) was given.

Action   This is a user error. Check the program and correct the error.

00200192   **API: Invalid parameter count**

Explanation   More than four pointers have been supplied in the parameter list used to call the Broker
                   stub.

Action   Correct the program. A maximum of four pointers can be supplied.

00200193   **API: Invalid FUNCTION/WAIT Combination**

Explanation   The FUNCTION / WAIT combination in the API is invalid. A WAIT value in the API can be specified for the SEND, RECEIVE and RECEIVE_PUBLICATION functions only.

Action   This is a user error. Check the program and correct the error.

00200194   **API: Invalid OPTION/WAIT Combination**

Explanation   The OPTION / WAIT combination in the API is invalid, that is, a SEND with OPTION=EOC, HOLD or SYNC, or a RECEIVE with OPTION=LAST was issued.

Action   This is a user error. Check the program and correct the error.

00200195   **API: Deregister not allowed from clients**

Explanation   This response is given when a client tries to issue a deregister call to EntireX Broker.

Action   Do not issue a DEREGISTER call for clients. Check the program and correct the error.

00200199   **API: Receive/CID=ANY Invalid For Clients**

Explanation   A client issued a RECEIVE call for new conversations.

Action   This is a user error. Clients cannot issue a RECEIVE with CONV-ID=ANY because a RECEIVE with CONV-ID=ANY must be preceded by a REGISTER call. Check the program and correct the error.

00200200   **API: RECEIVE/CID=NEW Invalid For Clients**

Explanation   A client has issued a RECEIVE call for new conversations.

Action   This is a user error. Clients cannot issue a RECEIVE with CONV-ID=NEW because a RECEIVE with CONV-ID=NEW must be preceded by a REGISTER call. Check the program and correct the error.

00200203   **API: No RECEIVE -BUFFER Address**

Explanation   The address of the receive buffer is missing for the Broker call. That is, a RECEIVE or a blocked SEND was issued without the receive buffer address.

Action   This is a user error. Check the program and correct the error.

00200208   **API: Invalid version number**

Explanation   One of the following errors occurred: Invalid `API-TYPE` or `API-VERSION` supplied
                   by user when calling Broker stub. Invalid version supplied by user in internal control
                   blocks when calling Broker stub. Broker detected an invalid or unsupported prefix
                   version specified by stub. Broker does not support the `API-VERSION` supplied by
                   user.

Action   This is a user error. Check version of Broker stubs and Broker kernel. Determine the
                   stub version by using function `FCT_VERSION`. Determine the kernel version by using
                   function `FCT_KERNELVERS`. Correct `API-TYPE` or `API-VERSION` in the Broker
                   control block.

00200210   **API: No Send Buffer Address**

Explanation   A `SEND` was issued without the send buffer address. Therefore, no address is given to
                   the Broker stub as the second parameter.

Action   This is a user error. Check the program and correct the error.

00200211   **API: No API Control Block Address**

Explanation   The ACI control block is missing for the call. No address is given to the Broker stub as
                   the first parameter.

Action   This is a user error. Check the program and correct the error.

00200212   **API: (*) In SN/SC/SV Invalid For Function**

Explanation   The `FUNCTION` / `SERVICE` combination provided by the `SERVER-CLASS`,
                   `SERVER-NAME`, and `SERVICE` fields of the API is invalid. That is, a `SEND` function is
                   used with an asterisk (*) in any of the `SERVICE` fields.

Action   This is a user error. Check the program and correct the error.

00200216   **API: Invalid BROKER-ID**

Explanation   The `BROKER-ID` field in the API does not contain a valid numeric node ID.

Action   The `BROKER-ID` in the API should be the same as the `BROKER-ID` in the Broker
                   attribute file.

00200218   **API: Send Or Receive Length Exceed Max**

Explanation   The maximum length possible for the send buffer/receive buffer depends on the Broker
API version and the transport method (TCP/IP or Entire Net-Work) used, and on the
configuration of the EntireX Broker.

Action   Check the API version and the transport method (TCP/IP or Entire Net-Work) used,
and the possible maximum length of send buffer/receive buffer for the transport
method. See the field `SEND-LENGTH` of the Broker ACI control block. See
`SEND-LENGTH` under *Broker ACI Fields*.

Check the Broker attribute `MAX-MESSAGE-LENGTH`. See `MAX-MESSAGE-LENGTH`
under *Broker Attributes*.

A shortage of the attached buffers or the intermediate user buffers may also lead to this
error, especially when attribute `EXTENDED-ACB-SUPPORT` is set to "YES" to allow
buffers greater than 32 KB to be transmitted using transport method NET. Check the
Broker attributes `NABS` and `IUBL` under *Adabas SVC/Entire Net-Work-specific
Attributes* under *Broker Attributes*.

00200226   **API Invalid STATUS**

Explanation   The Broker has returned an invalid status.

Action   Contact Software AG support.

00200228   **API Invalid CONV-STAT**

Explanation   The Broker has returned an invalid conversation status.

Action   Contact Software AG support.

00200229   **API Invalid value for STORE**

Explanation   There are two possible error sources:

1. The application has supplied an invalid value for `STORE` in the Broker ACI
   control block. See `STORE` under *Broker ACI Fields*.

2. The Broker has returned an invalid value for `STORE` from the kernel.

Action   In situation 1, ensure that the application assigns only a valid value to the field.

In situation 2, contact Software AG support.

00200246   **API: Cannot subscribe durable/non-durable**

Explanation   A SUBSCRIBE request can be made with option DURABLE. If the user is already
subscribed to the topic, the same durability scope must be specified as option. A
durable subscriber resubscribes with option DURABLE; a non-durable subscriber
resubscribes without option DURABLE. A change of the durability scope requires an
UNSUBSCRIBE request.

Action   Apply the correct option.

00200251   **API: Invalid FUNCTION/PUBLID combination**

Explanation   No publication ID was specified for this CONTROL_PUBLICATION request.

Action   Specify the publication ID.

00200252   **CID=NONE required for this service**

Explanation   The application tried to start a conversation when issuing an EntireX Broker command
operation. The internal service should be used in non-conversational mode only
(CID=NONE).

Action   Change your code.

00200267   **API: CID=NEW required for this service**

Explanation   An INFO service request has been started with CID not equal NEW. Because INFO
services are conversational, a new conversation must be started with every initial SEND
command. The returning information can be spread across several messages which
must be received separately.

Action   Always send INFO requests with CID=NEW.

00200268   **API: REGISTER internal service rejected**

Explanation   The service that you specified is already registered as an internal service. All service
definitions with the class SAG are reserved.

Action   Choose another service name

00200302   **EOC error: must back out unit of work**

Explanation   `EOC` commands are not allowed while a UOW is being built.

Action   Do not issue an `EOC` command before a UOW is committed. This message is for
                  diagnostic purposes only.

00200311   **API: Invalid Numeric Field**

Explanation   The API field must be numeric.

Action   Correct the field value.

00200312   **API: Out of Range**

Explanation   The value of a field is incorrect.

Action   Correct the field value.

00200314   **API: UOW status invalid**

Explanation   Returned status of UOW is not valid.

Action   Check the `CONVID` and `UOWID` in the Broker control block.

00200335   **No Mixed Message with UOW on the Same CONVID**

Explanation   You cannot have UOW and non-UOW messages in the same conversation, that is, the
                  same `CONVID`.

Action   Check the application and correct the error.

00200336   **No Mixed UOW with MSG on the Same CONVID**

Explanation   You cannot have UOW and non-UOW messages in the same conversation, that is, the
                  same `CONVID`.

Action   Check the application and correct the error.

00200362   **API: Broker Stub De-Initialized**

Explanation   The Broker stub was initialized but had to be de-initialized because none of the shared
                    library pointers (TCP, XTI or ADALNK) was available.

Action   Check for any serious errors that may have caused library cleanup.

00200371   **API: Cannot Specify arch w/o codepage**

Explanation   You cannot specify a `DATA-ARCH` to which a codepage applies without also specifying
                    the codepage itself, using `LOCALE-STRING`.

Action   Check the application and correct the error.

00200372   **API: Error converting locale to codepage**

Explanation   The locale string sent by a client/server or publish-and-subscribe component could not
                    be mapped to a codepage by the broker's built-in locale string mapping. See *Broker's
                    Built-in Locale String Mapping*.

Action   Identify the locale string that could not be mapped to a codepage. The value of the `LS`
                    keyword (`LS=locale-string`) in the broker trace may be helpful in identifying the
                    erroneous locale string. Please use a valid locale string or define a new mapping in the
                    broker attribute file. See the relevant attribute under `locale-string` for information
                    on how to customize the mapping of locale strings to codepages.

00200377   **API: Character Conversion Overflow**

Explanation   The data/message retrieved after character conversion is larger than the supplied receive
                    buffer. Conversion can increase the amount of your data. No data is provided in the
                    receive buffer. The minimum buffer length required to receive the converted data is
                    returned in the `RETURN-LENGTH` field of the API if API version 2 or above is used.
                    The client or server should reread the message using a larger buffer with the required
                    length.

Action   For RPC components, the error can be ignored because the reread of the message is
                    handled inside the RPC layer. Exception: for older Natural RPC versions it may be
                    necessary to increase the `MAX-BUFF` parameter.

                    For ACI programming, see *Error Cases* under *Using Send and Receive Buffers* for
                    information on how to respond to this error code.

00200379   **API: Inconsistent security installation**

Explanation The setting for security in the Broker kernel is different from the settings in one or more of the Broker stubs. Either the Broker kernel and all stubs must be configured to operate with security, or the kernel and all stubs must be configured to operate without security.

For ACI version 8 and above, this error can be caused by an application not setting the correct value of KERNELSECURITY in the EntireX Broker control block field; see KERNELSECURITY under *Broker ACI Fields*. The correct value is set automatically by the KERNELVERS command and this value must be maintained in the EntireX Broker control block field. If the application is unable or unwilling to perform the KERNELVERS command, configure the stub so that the security setting is consistent with the Broker kernel. See KERNELVERS under *Broker ACI Functions* and also *Which EntireX Security Solution*.

Action Ensure the security settings are consistent for Broker kernel and all the stubs.

00200380   **Some Characters Could not Be Converted**

Explanation When receiving a message, the Broker's CONVERSION exit determined that at least one character in the incoming message had no equivalent in the receiver's character set. The possibilities for this incomplete conversion:

- The sender's message contained a data value with no corresponding character in the sender's character set.

- All the sender's characters are valid, but at least one of them has no corresponding character in the receiver's character set.

If this condition occurs, the application should consider the received data to be potentially incomplete or missing.

Action Ensure that both sender and receiver are using the correct locale string and that all character values being sent have a corresponding character in the receiver's character set.

00200393   **API: (*) in TOPIC invalid for FUNCTION**

Explanation Wildcard ANY is currently not supported as valid topic name.

Action Use specific topic name.

00200400   **Invalid SSL parameter specified**

Explanation The Broker ACI call FCT_SETSSLPARMS failed due to invalid specifications.

Action Check the 2nd parameter of this broker call and the length specified in the Broker ACI control block.

00200401   **Invalid value specified for EL**

Explanation   Only values of 0, 1 or 2 are valid encryption levels.

Action   Correct the setting in the Broker ACI control block.

00200404   **CSLNK is not defined, NET disabled**

Explanation   Entire Net-Work transport layer could not be initialized because the cslnk.so shared library could not be loaded.

Action   Set the environment variable CSLNK to point to the cslnk.so library.

00200419   **Mismatch of EL and current encryption**

Explanation   An inconsistency has been detected. The actual security setting to encrypt the payload buffer does not match the specification of the EL parameter in the current broker call.

Action   Verify the EL parameter in the Broker ACI control block and/or verify the correct installation of the security exit.

00200420   **Mismatch of client encryption and ATTR**

Explanation   The encryption settings of the EntireX client program do not match the settings in the Broker attribute file.

Action   Check the ENCRYPTION-LEVEL specification in the Broker attribute file and adapt the settings to your client program (with respect to the security setting and/or the EL parameter).

00200421   **Mismatch of server encryption and ATTR**

Explanation   For servers with API version below 6, a mismatch was found between the current security settings and the ENCRYPTION-LEVEL specification in the Broker attribute file.

Action   Change the security settings:

- Activate / deactivate the security exit on the server side, or

- Amend the ENCRYPTION-LEVEL specification for this service in the Broker attribute file.

00200422   **Server EL and ATTR not identical**

Explanation For servers with API version 6 or above, the setting of EL and the specification for ENCRYPTION-LEVEL in the Broker attribute file is not identical.

Action   Either

● Correct the EL parameter (and security setting) in the server program, or

● Change the ENCRYPTION-LEVEL for this service in the Broker attribute file.

00200424   **SETSSLPARMS only valid for transport=SSL**

Explanation ACI function FCT_SETSSLPARMS was set for a non-SSL Broker connection.

Action   Either change the BROKER-ID to use SSL or do not issue the ACI function FCT_SETSSLPARMS.

00200449   **API: Invalid Compress option**

Explanation   Compression is supported, but invalid option was specified.

Action   Correct the compress option.

00200450   **Error during data compression**

Explanation Compression of the data was attempted, but resulting size was equal to or greater than original data.

Action   The compress option is turned OFF for this transmission of data; data will not be compressed.

00200451   **Error during data decompression**

Explanation During a decompress operation, failure occurred; it is most likely the result of insufficient memory for the process.

Action   Increase available memory for process, if possible.

00200452   **Unexpected error during comp/decomp**

Explanation Error resulted from a compress or decompress operation, and is not accounted for by errors 0450 or 0451.

Action   Save trace information. Contact Software AG support.

00200453   **Decompressed data corrupt**

Explanation   When decompressing a compressed data stream, the integrity of the data was compromised.

Action   Save trace and data. Contact Software AG support.

00200454   **API: Compression is not available**

Explanation   Compression was requested but is not available

Action   Retry the operation without compression.

00200472   **API: No PSTORE but durable subscriber**

Explanation   A durable SUBSCRIBE request requires an available PSTORE, but the PSTORE is not available.

Action   Option DURABLE is currently not permitted. Please consult your Broker Administrator.

00200478   **EOC Error: Still Unread Unit of Work**

Explanation   Participant issues the function EOC, but unprocessed UOWs exist for the conversation. The EOC request is rejected.

Action   Read the unprocessed UOWs first and issue function EOC afterwards.

00200482   **API: CONV-ID NONE not supported**

Explanation   Value NONE is not supported for the requested EntireX Broker function.

Action   Correct application.

00200485   **API: User [UN]SUBSCRIBE not allowed**

Explanation   ALLOW-USER-SUBSCRIBE=NO was specified and therefore subscribe/unsubscribe must be performed by an administrator.

Action   No action is required.

00200494   **Publish and Subscribe not enabled**

Explanation   The publish and subscribe subsystem is not enabled due to missing definitions or license issues. Requested EntireX Broker function is rejected.

Action   Contact your Broker Administrator.

00200505   **Illegal operation due to wrong UOW type**

Explanation   The specified UOWID does not contain a unit of work

Action   Please correct the UOWID.

00200532   **API: Error code missing in REPLY-ERROR**

Explanation   Stub application did not provide a numeric value in the ERROR-CODE field in Broker control block while making a REPLY_ERROR function call.

Action   Send a valid numeric value in the ERROR-CODE field of the Broker control block.

00200533   **API: Invalid error code in REPLY-ERROR**

Explanation   Stub application provided an invalid error code in the Broker control block, while making REPLY_ERROR function call. User-defined error codes should not begin with number 8, and should contain only numeric values.

Action   Make sure that error code in the Broker control block does not start with '8' and contains only numerals.

00200538   **API:Must specify locale to do CONVERSION**

Explanation   Receiving application did not provide its codepage information in LOCALE-STRING field of the Broker control block.

Action   Supply codepage information in the LOCALE-STRING field of the Broker control block. If you want the broker to supply default codepage information, specify MAP=YES in CONVERSION attribute under DEFAULTS=SERVICE section.

00200539   **API: Sender did not specify locale info**

Explanation   Sender application did not provide codepage information in `LOCALE-STRING` field of the Broker control block.

Action   Supply codepage information in the `LOCALE-STRING` field of the Broker control block. If you want the broker to supply default codepage information, specify `MAP=YES` in `CONVERSION` attribute under `DEFAULTS=SERVICE` section.

00200540   **API: :1: value truncated**

Explanation   The value for `RETURN-LENGTH` was truncated. This occurs if the value is greater than 99,999,999 and ACI version 8 or below is used.

Action   Upgrade to ACI version 9 or above.

00200563   **DEREGISTER not completed due to UOWs**

Explanation   There are still open units of work that have not been committed, cancelled, or backed out yet. The ACI function `DEREGISTER` was not completed successfully.

Action   Finish the open units of work first before calling `DEREGISTER`.

00200566   **API: Invalid value for COMPRESSION TYPE**

Explanation   The supplied value is invalid. Broker supports compression types GZIP and ZLIB.

Action   Correct the program to supply a valid value.

00200569   **API: Extension data truncated to fit**

Explanation   The amount of message extension data to be returned is greater than the value specified under `EXTENSION-RECEIVE-LENGTH`. Field `EXTENSION-RETURN-LENGTH` is set to amount of extension data still to be returned.

Action   Set `EXTENSION-RECEIVE-LENGTH` to value of `EXTENSION-RETURN-LENGTH` and receive the message again (`OPTION=LAST`) to receive the remaining associated extension data.

00200613   **API: Filter already active**

Explanation   Command and Information Services were unable to add a command log filter as the specified filter was already active.

Action   Specify a filter that is not already active.

00200614   **API: Filter not found**

Explanation   Command and Information Services were unable to delete a command log filter as the specified filter did not exist.

Action   Specify a filter that does exist.

00200639   **API: Protected UOWID has been specified**

Explanation   An application has specified a protected unit of work ID in an API request. Protected unit of work IDs are 0000000000000000 and 0000000000000001.

Action   Specify a non-protected unit of work ID.

00200801   **Unsecure shutdown broker not allowed**

Explanation   The user is not authorized to shut down EntireX Broker.

Action   A security violation has occurred. This message and the related user ID are written to the Broker log.

00200901   **User did not request SINGLE-CONV-MODE**

Explanation   A mismatch was detected between settings of service and user regarding the mode chosen to send or receive ARF data. The single conversation mode (one conversation per service) has to be requested by the user before sending or receiving ARF data. It is not possible to change the mode if there are still conversations active that have been created with the old mode.

Action   ARF can be configured to use or not to use the ETBSCONV feature (single conversation mode). We strongly recommend using this feature, but it requires a service without any conversations created with the old mode. If the ETBSCONV feature was specified and conversations still exist, these conversations have to be consumed before you change to single conversation mode.

00209400   **FUNCTION NOT SUPPORTED**

Explanation   An unsupported function (UNDO or DELETE) has been issued.

Action   Check the program and correct the error.

00209401   **CONV-ID VALUE NOT SUPPORTED**

Explanation   An unsupported value has been specified for the CONV-ID field.

Action   This is a user error. Check the program and correct the error.

00209402   **WAIT VALUE NOT SUPPORTED**

Explanation   An unsupported value has been specified for the WAIT operand.

Action   This is a user error. Check the program and correct the error.

00209403   **OPTION NOT SUPPORTED**

Explanation   An unsupported value has been specified for the OPTION field.

Action   This is a user error. Check the program and correct the error.

00209404   **xxxxxxxx - ADAPTER ERROR**

Explanation   An error has occurred in the EntireX Broker Services protocol adapter. Depending on the protocol in use, it may be an SNA sense code or an MQM reason code.

Action   Obtain the error code from the first 8 bytes of the error message (xxxxxxxx) or the ADAPTER-ERROR field. Then refer to the appropriate SNA or MQM documentation to determine the actual error.

00209405   **INVALID BROKER API REQUEST**

Explanation   An unsupported value has been specified for CLASS or SERVICE, e.g., APPC is not specified for CLASS.

Action   This is a user error. Check the program and correct the error.

Action   No action is required.

00209406   **CONV-ID REQUIRED FOR DEREGISTER**

Explanation   No CONV-ID, or an incorrect CONV-ID, was specified for the DEREGISTER function.

Action   This is a user error. Check the program and correct the error.

00209407   **INVALID REMOTE ATTACH FUNCTION**

Explanation   OPTION=ATTACH was specified for a function that is not a REGISTER, DEREGISTER, or RECEIVE function.

Action   Check the program and correct the error.

00209410   **NO ATTACH REQUESTS AVAILABLE**

Explanation   A Remote Attach Manager program has issued a non-blocked RECEIVE request with WAIT=NO, but there are no pending attach requests.

Action   This is an informational message.

00209413   **CONV-ID REQUIRED FOR RECEIVE**

Explanation   An ACI RECEIVE request has been issued without a valid CONV-ID value. All ACI RECEIVE requests must specify a CONV-ID value.

Action   Check the program and correct the error.

00209416   **MODELQ REQUIRES SPECIFIC CONV-ID=**

Explanation   An ACI RECEIVE request has been issued by a client program that specified CONVID=OLD or ANY while an MQI MODEL queue was in use.

Action   Change the program to use a specific, existing CONVID, or remove the REPLYTOQ specification from the directory entry.

00209417   **INVALID MSGTYPE=, WAIT= COMBINATION**

Explanation   A SEND request has been issued with an invalid combination of MSGTYPE=, WAIT= and CONFIRMATION operands. For example, specifying WAIT=YES when sending a DATAGRAM or a REPLY type message is invalid.

Action   Correct the program logic.

00209418   **SERVER CANNOT ISSUE SEND CONVID=NONE**

Explanation   A server program attempted to issue a SEND request with CONVID=NONE, which is not allowed. Server programs must use a specific CONVID when issuing a SEND.

Action   Correct the program logic.

00209419   **INVALID MESSAGE TYPE FOR SERVER SEND**

Explanation   A server program attempted to issue a SEND request with MSGTYPE=DATAGRAM or
                   REQUEST, which is not allowed. Server programs are allowed to issue SEND
                   MSGTYPE=REPLY only.

Action   Correct the program logic.

00209420   **INVALID MESSAGE TYPE FOR CLIENT SEND**

Explanation   A client program attempted to issue a SEND request with MSGTYPE=REPLY, which is
                   not allowed. Client programs are allowed to issue SEND MSGTYPE=REQUEST or
                   DATAGRAM only.

Action   Correct the program logic.

00209421   **OPT=SYNC INVALID WITH SEND WAIT=**

Explanation   A request was issued with OPTION=SYNC and WAIT=YES. It is not possible to issue a
                   "blocking" request (WAIT=YES) within a unit of work.

Action   Correct the program logic.

00209422   **SYNCPOINT REQUIRES OPTION=COMMIT/BACKOUT**

Explanation   A SYNCPOINT request was issued without a valid OPTION= specification. Either
                   OPTION=COMMIT or OPTION=BACKOUT must be specified with the SYNCPOINT
                   function.

Action   Correct the program logic.

00209423   **MSGID REQUIRED WITH CONVID=ANY/NEW/NONE**

Explanation   A client program must use a specific MSGID when issuing a RECEIVE request with
                   CONVID=ANY, NEW, or NONE.

Action   Correct the program logic.

00209424   **UNIT FIELD OF WORK NOT SUPPORTED**

Explanation   An ACI request was received that has specified a value for one of the unit of work fields.

Action   Programmer: Ensure no unit of work fields have been specified in the ACI request. If API Version=3 has been specified in the Broker control block (`ETBCDEF.H`), ensure that the unit of work fields have all been cleared.

00209450   **INTERNAL ERROR - GETMAIN FAILED**

Explanation   An internal buffer shortage has occurred that prevents the function from executing.

Action   Review the JES `JOBLOG` and external trace for error messages that might give additional information on the problem.

00209451   **RECEIVE FAILED - tpname NOT REGISTERED**

Explanation   A Remote Attach Manager has issued a `RECEIVE` request for a TP that is not currently `REGISTERED` to its `SERVICE-ID`.

Action   Modify the Remote Attach Manager program to `REGISTER` this *tpname*.

00209452   **REGISTER REJECTED - function ACTIVE**

Explanation   A Remote Attach Manager has issued a `REGISTER` request for a `TPNAME` that already issued a `REGISTER`.

Action   A `TPNAME` must be unique and can be registered under one and only one `SERVICE-ID`.

00209453   **UNKNOWN FUNCTION REQUESTED function**

Explanation   A request was received using the `ATTACH-MANAGER` DDM, but the request was not a `REGISTER`, `RECEIVE`, or `DEREGISTER`.

Action   Correct the Remote Attach Manager program and retry. The external trace may contain additional information for debugging.

00209454   **ENTIREX BROKER SERVICES TERMINATED BY OPERATOR**

Explanation   EntireX Broker Services have been shut down by the computer operator.

Action   No action required; normal processing continues.

00209455	**function REJECTED, MISSING value**

Explanation   A Remote Attach Manager has issued a verb that is invalid.

Action   The message text will contain the function and missing value. Correct the request and retry.

00209456	**tpname NOT DEFINED VIA CONTROL OPERATOR**

Explanation   A `REGISTER` request from a Remote Attach Manager is being rejected because of conflicts with Control Operator Interface definitions (`RESTRICT-PARTNERS=PROFILE` has been specified).

Action   Add the `TPNAME` in the message to the appropriate local LU definitions and retry the Remote Attach Manager program.

00209457	**servername STOPPED BY OPERATOR COMMAND**

Explanation   An Attach Manager `RECEIVE` was issued, but the specified servername has been stopped by an operator command. The message contains the actual server name.

Action   The Remote Attach Manager Dispatcher program may be restarted after using the `RESUME, D6 servername` operator command to reactivate the `servername`.