



IMS Web Messages and Codes

Note

Before using this information and the product it supports, be sure to read the information in "Notices" on page vii.

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IMS Web return codes and messages

Reader comment form

A reader comment form is included with the hardcopy version of this book. If you would like to fill out the online version of the reader comment form, please link here or go to <http://www.software.ibm.com/data/rcf/>.

Return code 1000

Return code:
1000

Message:
Request to terminate IMS Web conversation sent.

Explanation:
IMS Web sent a message to IMS/OTMA in response to selection of the Terminate button, requesting termination of the host end of an IMS Web conversation. The host end of the conversation might or might not be terminated.

User Action:
Verify that the IMS Web conversation was terminated by entering HWSCMD DISPLAY CONV on the Web server and /DISPLAY CONV on the host. If IMS Web was unable to terminate the conversation, there might be additional information in the Diagnostic Information field of the output HTML for the message.

Return code 1001

Return code:
1001

Message:
No segments in the input.

Explanation:
A transaction input message could not be produced from the request.

User Action:
In order to execute an IMS transaction or command, the input message must contain at least the transaction code or command. If the transaction code is not provided by the MID, verify that you have entered at least the transaction code or command in the input HTML before selecting SUBMIT.

Return code 1002

Return code:
1002

Message:
No data returned from host application.

Explanation:
The host application did not generate any output message for this request.

User Action:

This is probably a host application error. Contact your IMS support group and report the problem.

Return code 1003**Return code:**

1003

Message:

Hidden fields in HTML not found.

Explanation:

IMS Web was unable to find the state information for an IMS Web conversation in the input HTML.

User Action:

Verify that you did not inadvertently remove the hidden fields while modifying the input HTML associated with a conversational transaction. If all hidden fields are present, contact you IBM service representative.

Return code 1004**Return code:**

1004

Message:

Insufficient storage.

Explanation:

IMS Web was unable to obtain virtual storage.

User Action:

Reduce your system's demands for virtual storage.

Return code 1005**Return code:**

1005

Message:

IMS Web's conversational protocol has been violated.

Explanation:

IMS Web detected inconsistent, missing, or invalid information for an IMS Web conversational transaction. IMS Web attempted to terminate the conversation.

User Action:

A number of situations can contribute to this error. For example: submitting data for the conversation from a browser page that is not in the normal sequence for the conversation. This is usually due to selection of a browser page using the BACK function. Protocol violations can also occur when the command HWSCMD EXIT CONV is used to end a conversation while it was in progress, or due to corruption of the DAT file associated with the conversation.

Return code 1007

Return code:

1007

Message:

Next input lpage missing.

Explanation:

IMS Web was unable to find the logical page to use for the input of the next iteration of the IMS Web conversational transaction.

User Action:

Verify that the MIDs and MODs you provided to the IMS Web Studio tool are valid for a conversational transaction.

Return code 1008

Return code:

1008

Message:

IMS Web conversation terminated.

Explanation:

IMS Web sent a terminate message to the host in response to selection of the TERMINATE button and then terminated the workstation end of the conversation by deleting the DAT file. The host end of the conversation might or might not have terminated.

User Action:

Verify that the IMS Web conversation was terminated by entering HWSCMD DISPLAY CONV ALL on the Web server and /DISPLAY CONV BUSY on the host.

Return code 1009

Return code:

1009

Message:

IMS Web conversation already terminated.

Explanation:

You attempted to terminate an IMS Web conversation by selecting the TERMINATE button. The IMS Web conversation was already terminated.

User Action:

Do not use the TERMINATE button for a conversation that has already been terminated. The TERMINATE button should only be selected for an active IMS Web conversation.

Return code 1010

Explanation:

IMS Web received unexpected output from IMS while processing a conversational transaction. One of the MFS default MODs was used to format the output.

User Action:

This is most likely an IMS message. Check the IMS Messages and Codes documentation for additional information.

Return code 1011**Explanation:**

The attempt by IMS Web to send a message to IMS/OTMA requesting termination of the host end of an IMS Web conversation failed. The IMS Web conversation was not terminated.

User Action:

Check the Diagnostic Information field of the output HTML for the message for information about the reason for the failure. Once you have fixed the problem, use the HWSCMD EXIT CONV command to terminate the conversation.

Return code 1080**Return code:**

1080

Message:

HWSCnvState::HWSCnvState>Unable to locate DAT file.

Explanation:

IMS Web was unable to find a file representing the conversation. The conversation was most likely terminated by the HWSCMD EXIT command.

User Action:

Determine the reason the conversation was terminated.

Return code 1082**Return code:**

1082

Message:

HWSCnvState::saveState>No space on drive for DAT file.

Explanation:

IMS Web attempted to start a conversation, but was unable to find enough space to write the file representing the conversation.

User Action:

Files representing conversations are written to the hwsdata subdirectory of IMS Web's installation directory. Ensure that there is adequate space in hwsdata before restarting the conversation.

Return code 1083**Return code:**

1083

Message:

HWSCnvState::updateState>No space on drive for DAT file.

Explanation:

IMS Web was unable to find enough space to write the file representing the conversation while processing the conversation.

User Action:

Files representing conversations are written to the hwsdata subdirectory of IMS Web's installation directory. Ensure that there is adequate space in hwsdata.

Return code 1084**Return code:**

1084

Message:

HWSCnvState::updateState>Permission denied.

Explanation:

IMS Web was unable to access the file representing the conversation. This is most likely due to termination of the conversation by the command, HWSCMD EXIT.

User Action:

Determine the reason the conversation was terminated, then restart the conversation.

Return code 1085**Return code:**

1085

Message:

HWSCnvState::updateState>Unable to locate DAT file.

Explanation:

IMS Web was unable to find a file representing the conversation. The conversation was most likely terminated.

User Action:

Determine the reason the conversation was terminated, then restart the conversation.

Return code 1086**Return code:**

1086

Message:

HWSCnvState::deleteState>Can't determine DAT file to delete.

Explanation:

IMS Web was unable to determine the name of the file representing the conversation.

User Action:

The conversation might have already have been terminated by the HWSCMD EXIT command.

Return code 1087**Return code:**

1087

Message:

HWSCnvState::deleteState>Can't find DAT file to delete.

Explanation:

IMS Web was unable to find the file representing the conversation.

User Action:

The conversation might have already have been terminated by the HWSCMD EXIT command.

Return code 1088

Return code:

1088

Message:

HWSCnvState::isInSync>Insufficient storage.

Explanation:

Unable to obtain sufficient virtual storage.

User Action:

Reduce the storage demands on your system.

Return code 1100

Return code:

1100

Message:

HWSMFSFormat::formatOut>Output message format object (MOD) not found.

Explanation:

The IMS application program returned a request to use a message output descriptor (MOD) that is not known to IMS Web.

User Action:

If you want IMS Web to use the MOD returned in the request, you must provide it in the MFS source, and regenerate the necessary files using the IMS Web Studio tool.

Return code 1101

Return code:

1101

Message:

HWSMFSFormat::formatOut>Output message format object (MOD) not found.

Explanation:

The IMS application program did not return a message output descriptor (MOD) and the NXT= keyword of the MID or input LPAGE did not specify the correct MOD.

User Action:

Provide the correct MOD name for the NXT= keyword of the MID or input LPAGE, or modify the IMS application program to return the correct MOD name.

Return code 1140

Return code:

1140

Message:

HWSLPageFormat::testCond>Malloc failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 1160

Return code:

1160

Message:

HWSSEgFormat::formatOut>Malloc failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 1180

Return code:

1180

Message:

HWSFIdFormat::formatIn>Malloc failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 1181

Return code:

1181

Message:

HWSFIdFormat::getOutData>Malloc for attribute string failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 1182

Return code:

1182

Message:

HWSFIdFormat::getOutData>Malloc for output field string failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 1183

Return code:

1183

Message:

HWSFIdFormat::formatOut>Malloc failed.

Explanation:

IMS Web was unable to acquire sufficient virtual storage.

User Action:

Reduce the demand on the system.

Return code 2001

Return code:

2001

Message:

Insufficient storage.

Explanation:

IMS Web was unable to obtain sufficient virtual storage.

User Action:

Reduce the storage demands on your system.

Return code 2002

Return code:

2002

Message:

Internal error.

Explanation:

An internal error occurred in IMSClient.

User Action:

Contact your IBM service representative.

Return code 2003

Return code:

2003

Message:

The client type is invalid or not supported.

Explanation:

The client type you provided to IMSClient's constructor is not a supported client type.

User Action:

Check the documentation of the IMSClient class for a list of supported client types. If you received this message from IMS Web, contact your IBM service representative.

Return code 2004**Return code:**

2004

Message:

The option name input to setStringOption or setByteOption is not valid for client type HWS_ITOC.

Explanation:

The option name you provided to setStringOption or setByteOption is not a valid option for a client of type HWS_ITOC, or you invoked setStringOption or setByteOption without providing an option name.

User Action:

Check the documentation of the IMSClient class for a list of valid options for clients of type HWS_ITOC. If you received this message from IMS Web, contact your IBM service representative.

Return code 2005**Return code:**

2005

Message:

The option value input to setStringOption or setByteOption is not valid for client type HWS_ITOC.

Explanation:

The option name you provided to setStringOption or setByteOption is valid, but the value is not. Either you did not specify the value, the length of the value was invalid, or the value was not valid for the specified option.

User Action:

Check the documentation of the IMSClient class for a list of valid options for clients of type HWS_ITOC. If you received this message from IMS Web, contact your IBM service representative.

Return code 2006**Return code:**

2006

Message:

No transaction data to send to IMS.

Explanation:

The pointer to the HWSSegments object is NULL. There is no data to send to IMS.

User Action:

Provide a non-NULL pointer for the HWSSegments object of the send method. If you received this message from IMS Web, contact your IBM service representative.

Return code 2007

Return code:

2007

Message:

No segments in the input.

Explanation:

No transaction input message could be produced from the request.

User Action:

In order to execute an IMS transaction or command, the input message must contain at least the transaction code or command. If you received this message from IMS Web, contact your IBM service representative.

Return code 2008

Return code:

2008

Message:

Conversation failed.

Explanation:

Conversion of text or endian data failed.

User Action:

This is most likely an installation error. Verify that the conversion tables are correctly installed. If you received this message from IMS Web, contact your IBM service representative.

Return code 2009

Return code:

2009

Message:

No application data.

Explanation:

No data was found in a segment of an IMS output message.

User Action:

Additional information may be found by examining the values of the REASONMSG and REASONDIAG options. The value of the REASONDIAG option may consist of a set of Return code/error string pairs that provide additional diagnostic information. If you received this message from IMS Web, contact your IBM service representative.

Return code 2010

Return code:

2010

Message:

HOSTNAME cannot be changed after connect.

Explanation:

You attempted to change the HOSTNAME option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2011**Return code:**

2011

Message:

PORT cannot be changed after connect.

Explanation:

You attempted to change the PORT option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2012**Return code:**

2012

Message:

IMSNAME cannot be changed after connect.

Explanation:

You attempted to change the IMSNAME option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2013**Return code:**

2013

Message:

RUNAME cannot be changed after connect.

Explanation:

You attempted to change the RUNAME option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change

the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2014

Return code:

2014

Message:

USERID cannot be changed after connect.

Explanation:

You attempted to change the USERID option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2015

Return code:

2015

Message:

GROUP cannot be changed after connect.

Explanation:

You attempted to change the GROUP option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2016

Return code:

2016

Message:

PASSWORD cannot be changed after connect.

Explanation:

You attempted to change the PASSWORD option after a successful connection was established with the host.

User Action:

If you wish to change an option that is associated with the host connection, you must disconnect from the host (invoke the disconnect method), change the option (invoke the setStringOption method), then reconnect to the host (invoke the connect method). If you received this message from IMS Web, contact your IBM service representative.

Return code 2017

Return code:

2017

Message:

Required options not set prior to connect.

Explanation:

You attempted to invoke the connect method before setting all the required options.

User Action:

Refer to the documentation of the connect method for a list of the options that must be set before invoking the connect method. Set the missing options before invoking the connect method. If you received this message from IMS Web, contact your IBM service representative.

Return code 2018

Return code:

2018

Message:

State of IMSClient object is invalid for invocation of connect method.

Explanation:

The connect method may only be invoked following instantiation of an IMSClient object or following a disconnect. Prior invocation of any of the methods connect, send, receive, or sendResponse is invalid.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2019

Return code:

2019

Message:

State of IMSClient object is invalid for invocation of send method.

Explanation:

The send method may only be invoked following connect, receive, sendResponse, or exitConversation.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2020

Return code:

2020

Message:

One or more options required for an IMSClient of type HWS_ITOC are missing.

Explanation:

You attempted to invoke the send or sendResponse method without having all the required options set.

User Action:

Refer to the documentation for a list of the required options for client of type HWS_ITOC. Use the setStringOption and setByteOption methods to set the missing options prior to the send or sendResponse method. If you received this message from IMS Web, contact your IBM service representative.

Return code 2021

Return code:

2021

Message:

State of IMSClient object is invalid for invocation of send method.

Explanation:

The receive method may only be invoked following send.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2022

Return code:

2022

Message:

Invalid host object for connect or disconnect.

Explanation:

The connect or disconnect method could not find a valid host object to use for the connection.

User Action:

The IMSClient object was most likely constructed incorrectly. Verify that a valid HWSConverter instance was passed to the IMSClient constructor. If you received this message from IMS Web, contact your IBM service representative.

Return code 2023

Return code:

2023

Message:

State of IMSClient object is invalid for invocation of sendResponse method.

Explanation:

The sendResponse method may only be invoked following receive when the SYNCLEVEL option is CONFIRM.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2024**Return code:**

2024

Message:

State of IMSClient object is invalid for invocation of disconnect method.

Explanation:

The disconnect method may only be invoked following receive, connect, sendResponse, or exitConversation. If the connection type is PERSISTENT, and a disconnect is attempted while a conversation is in progress, the disconnect will be rejected.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2025**Return code:**

2025

Message:

The SYNCLEVEL option cannot be changed between send and receive.

Explanation:

The SYNCLEVEL option must be changed after a successful receive that follows a send.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2026**Return code:**

2026

Message:

The acknowledgment type passed to the sendResponse method is invalid.

Explanation:

The acknowledgment type you provided to sendResponse is not supported.

User Action:

Check the documentation of the IMSClient class for valid acknowledgment types. If you received this message from IMS Web, contact your IBM service representative.

Return code 2027

Return code:

2027

Message:

Invalid message from host for SYNCLEVEL = CONFIRM.

Explanation:

The IMSClient option indicates SYNCLEVEL = CONFIRM but the message returned by the host indicates SYNCLEVEL = NONE.

User Action:

Verify that all the options of the IMSClient object are correctly set. If you received this message from IMS Web, contact your IBM service representative.

Return code 2028

Return code:

2028

Message:

State of IMSClient object is invalid for invocation of exitConversation method.

Explanation:

The exitConversation method may only be invoked following connect, send, receive, or sendResponse.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2029

Return code:

2029

Message:

The response type is invalid or not supported.

Explanation:

The response type you provided to IMSClient's sendResponse method is not a supported response type.

User Action:

Check the documentation of the IMSClient class for a list of supported response types. If you received this message from IMS Web, contact your IBM service representative.

Return code 2030

Return code:

2030

Message:

The client type is invalid or not supported.

Explanation:

The exit type you provided to IMSClient's exitConversation is not a supported exit type.

User Action:

Check the documentation of the IMSClient class for a list of supported exit types. If you received this message from IMS Web, contact your IBM service representative.

Return code 2031**Return code:**

2031

Message:

The PASSDATATYPE option cannot be changed between send and receive.

Explanation:

The PASSDATATYPE option must be changed after a successful receive that follows a send.

User Action:

Refer to the documentation for a description of the semantics of the IMSClient API. If you received this message from IMS Web, contact your IBM service representative.

Return code 2500**Return code:**

2500

Message:

Prior open; this open is invalid.

Explanation:

The open method may only be invoked once per HWSConverter instance.

User Action:

If you wish to change the language or Endian information for the HWSConverter instance, you must invoke the close method before reinvoking the open method.

Return code 2501**Return code:**

2501

Message:

Invalid language.

Explanation:

The value you specified for the language parameter of the open method is not supported.

User Action:

Refer to the documentation of the HWSConverter class for the supported values for the language parameter. If you received this message from IMS Web, contact your IBM service representative.

Return code 2502

Return code:

2502

Message:

Unknown endian.

Explanation:

The value you specified for the clientEndian parameter of the open method is not supported.

User Action:

Refer to the documentation of the HWSConverter class for the supported values for the clientEndian parameter. If you received this message from IMS Web, contact your IBM service representative.

Return code 2503

Return code:

2503

Message:

Conversion table missing or invalid.

Explanation:

A file containing one of the tables used to convert IMS message data was missing or invalid.

User Action:

This is most likely an installation error. For Windows NT, use REGEDIT to verify that value HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. In addition, verify that the installation directory contains conversion table files of the form ctblxxxx.tbl for all the languages supported by IMS Web.

Return code 2504

Return code:

2504

Message:

Open not performed prior to close.

Explanation:

The HWSConverter instance must be open in order to invoke the close method.

User Action:

Invoke the open method prior to invoking the close method. If you received this message from IMS Web, contact your IBM service representative.

Return code 2505

Return code:

2505

Message:

Target length exceeded during conversion.

Explanation:

The number of bytes provided for the converted data (tarLength) is not sufficient for the conversion.

User Action:

Check the length of the source data and adjust the target length accordingly. If you received this message from IMS Web, contact your IBM service representative.

Return code 2506**Return code:**

2506

Message:

Open must be invoked prior to convert.

Explanation:

The HWSConverter instance must be open in order to invoke the conversion methods.

User Action:

Invoke the open method, prior to invoking the conversion methods, to establish the language and endian for conversion. If you received this message from IMS Web, contact your IBM service representative.

Return code 2507**Return code:**

2507

Message:

Source string length exceeded during conversion.

Explanation:

The data provided for conversion was invalid.

User Action:

Verify that the length provided for the data to be converted includes all the bytes to be converted, including both bytes of any double byte data and any shiftout/shiftin characters, if applicable. If you received this message from IMS Web, contact your IBM service representative.

Return code 2508**Return code:**

2508

Message:

Could not add ShiftIn - target length too small.

Explanation:

The number of bytes provided for the converted data (tarLength) is not sufficient for conversion.

User Action:

Keep in mind that, for double byte data, the target length must allow for additional (shiftout/shiftin) characters when converting to IMS format. Adjust the target length accordingly. If you received this message from IMS Web, contact your IBM service representative.

Return code 2509

Return code:

2509

Message:

No trailing (second) byte found for a DBCS character.

Explanation:

The data provided for conversion is incomplete.

User Action:

Ensure that, in the case of double byte data, the length of the source includes both bytes of trailing double byte data. Adjust the target length accordingly. If you received this message from IMS Web, contact your IBM service representative.

Return code 2510

Return code:

2510

Message:

Unable to obtain sufficient virtual storage.

Explanation:

The HWSConverter class was unable to obtain sufficient virtual storage for use by the conversion methods.

User Action:

Reduce your system's demands for vital storage.

Return code 2511

Return code:

2511

Message:

Path to conversion tables missing.

Explanation:

You failed to provide a path to the conversion tables when the HWSConverter instance was created.

User Action:

Refer to the documentation of the HWSConverter class for a description of the path parameter. If you received this message from IMS Web, contact your IBM service representative.

Return code 2600

Return code:

2600

Message:

IMS TCP/IP OTMA Connection returned error :

Explanation:

The IMS TCP/IP OTMA Connection returned the indicated error.

User Action:

The error indicated in the IMS Web message is usually presented in the Service Code field of a corresponding message displayed on the system console of the IMS TOC machine. Refer to the IMS TCP/IP OTMA Connection Messages and Codes for the displayed Service Code. For example, if you provide an invalid datastore name to the IMS Web Studio tool, message HWSS0742W is displayed on the system console and the NFNDDST Service code is presented in the IMS Web message.

Return code 2601**Return code:**

2601

Message:

IMS/OTMA returned sense code :

Explanation:

IMS OTMA has returned the indicated sense code.

User Action:

Refer to the "OTMA Sense Codes for NAK Messages" under "OTMA Diagnostic Information" in the *IMS/ESA V6 OTMA Guide and Reference* for the displayed sense code.

Return code 2700**Return code:**

2700

Message:

The TCP/IP network has returned an error during open.

Explanation:

The method which opens a connection to IMS TCP/IP OTMA Connection received an error from the TCP/IP network.

User Action:

Examine the diagnostic Information for further information about the cause of the failure. For example, "Host not found" indicates that the TCP/IP hostname in the CGI-Bin program or transaction DLL is not known to TCP/IP; "The request timed out" might indicate that the hostname is valid but TCP/IP on the host has not been started. If the problem persists after corrective action based on the diagnostic information, record the diagnostic information and report the problem to your network administrator.

Return code 2701**Return code:**

2701

Message:

The TCP/IP network has returned an error during close.

Explanation:

The method that closes a connection to IMS TCP/IP OTMA Connection received an error from the TCP/IP network.

User Action:

Examine the diagnostic Information for further information about the cause

of the failure. If the problem persists after corrective action based on the diagnostic information, record the diagnostic information and report the problem to your network administrator.

Return code 2702

Return code:

2702

Message:

The TCP/IP network has returned an error during send.

Explanation:

The method that sends a connection to IMS TCP/IP OTMA Connection received an error from the TCP/IP network.

User Action:

Examine the diagnostic Information for further information about the cause of the failure. If the problem persists after corrective action based on the diagnostic information, record the diagnostic information and report the problem to your network administrator.

Return code 2703

Return code:

2703

Message:

The TCP/IP network has returned an error during receive.

Explanation:

The method which receives a message from IMS TCP/IP OTMA Connection received an error from the TCP/IP network.

User Action:

Examine the diagnostic Information for further information about the cause of the failure. If the problem persists after corrective action based on the diagnostic information, record the diagnostic information and report the problem to your network administrator.

Return code 10000

Return code:

10000

Message:

HWSCMD: HWSPATH or the directory to which it points was not found.

Explanation:

HWSPATH is used by IMS Web to determine the location of the IMS Web Runtime files. Either the HWSPATH system variable or the directory to which it points was not found.

User Action:

This is most likely an installation error. For Windows NT, use REGEDIT to verify that value HWSPATH in the registry is set to the path where the IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb.

Return code 10001

Return code:

10001

Message:

HWSCMD: The 'hwsdata' directory does not exist.

Explanation:

An attempt to access the 'hwsdata' subdirectory of the IMS Web Runtime component installation directory during processing of the HWSCMD DISPLAY CONV or EXIT commands failed. The 'hwsdata' directory is created during the installation of IMS Web Runtime component on the Windows NT platform only. It contains all the conversation state files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/hwsdata' subdirectories do not exist, they are created under the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD DISPLAY or HWSCMD EXIT command.

User Action:

On Windows NT, this usually happens when the user deletes or renames the 'hwsdata' directory. This could also happen if the access permission for the 'hwsdata' directory has been changed.

Return code 10002

Return code:

10002

Message:

HWSCMD: No active IMS Web conversations found.

Explanation:

No conversation state files found in the 'hwsdata' subdirectory of the IMS Web Runtime component installation directory. This is the expected output of HWSCMD DISPLAY CONV ALL if you have no active conversations. This could also occur if the conversation state files for all active conversations have been manually deleted.

User Action:

No action required.

Return code 10003

Return code:

10003

Message:

HWSCMD: Conversation state (convTokn.DAT) file not found.

Explanation:

The conversation state file for the conversation identified by the convTokn specified in an HWSCMD DISPLAY CONV convTokn or HWSCMD EXIT [CONV] convTokn command was not found in the 'hwsdata' subdirectory of the IMS Web Runtime component installation directory. This is the expected output of these commands if the convTokn specified did not refer to an active conversation. This could also occur if the conversation state file for this conversation has been manually deleted.

User Action:

If the above explanation applies, no action is required. Otherwise, report the problem to your IMS support group.

Return code 10004**Return code:**

10004

Message:

HWSCMD: No conversation is older than the specified time interval

Explanation:

No conversation can be displayed or terminated because no active conversation is older than the specified time interval.

User Action:

No action required.

Return code 10201**Return code:**

10201

Message:

HWSCMD TRACE: Could not open a trace file for write.

Explanation:

An attempt to open a new program_name.TMP file during processing of the command HWSCMD TRACE ON program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10202**Return code:**

10202

Message:

HWSCMD TRACE: Could not open existing trace file.

Explanation:

An attempt to open an existing program_name.TMP file during processing of the command HWSCMD TRACE OFF program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS

Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10203

Return code:

10203

Message:

HWSCMD TRACE: Could not write 1st record to new trace file.

Explanation:

An attempt to write the first or last record of a program_name.TMP file during processing of the command HWSCMD TRACE ON|OFF program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10204

Return code:

10204

Message:

HWSCMD TRACE: The IMS Web server DLL trace is not ON.

Explanation:

An attempt to turn off the IMS Web server DLL trace failed for the specific CGI-BIN program when IMS Web was unable to find the temporary trace file, program_name.TMP.

User Action:

Turn the IMS Web server DLL trace on, specifying the name of the CGI-BIN program.

Return code 10205

Return code:

10205

Message:

HWSCMD TRACE: Unable to rename .TMP file to .LOG file.

Explanation:

An attempt to rename a program_name.TMP file to program_name.LOG during processing of the command HWSCMD TRACE OFF program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10206

Return code:

10206

Message:

HWSCMD TRACE: Could not open existing trace log for write.

Explanation:

An attempt to open an existing program_name.LOG file during processing of the command HWSCMD TRACE OFF program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10207

Return code:

10207

Message:

HWSCMD TRACE: Could not append to trace log.

Explanation:

An attempt to append to an existing program_name.LOG file during processing of the command HWSCMD TRACE OFF program_name failed.

User Action:

This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10208

Return code:
10208

Message:
HWSCMD TRACE: Could not create the trace subdirectory.

Explanation:
An attempt to create the trace subdirectory during processing of the command HWSCMD TRACE ON program_name failed.

User Action:
This is most likely an installation error on Windows NT. For Windows NT, use REGEDIT to verify that the value of HWSPATH in the registry is set to the path where IMS Web Runtime is installed. For AIX and OS/390, IMS Web Runtime is installed in /usr/lpp/imsweb. Verify the existence of the directories and any temporary trace files and trace log files.

Note: For AIX and OS/390, if the 'imsweb' and 'imsweb/trace' subdirectories do not exist, they are created in the /var/tmp directory and allow full access permission whenever the user issues a HWSCMD TRACE ON|OFF command.

Return code 10401

Return code:
10401

Message:
HWSCMD EXIT: Could not connect to the TCP/IP host.

Explanation:
An attempt to connect to the TCP/IP host during processing of the command HWSCMD EXIT [CONV] convTokn or HWSCMD EXIT [CONV] GTmm failed.

User Action:
Be sure TCP/IP is functioning properly on the host and the workstation. Otherwise, report the problem to your IMS support group, if necessary.

Return code 10402

Return code:
10402

Message:
HWSCMD EXIT: Could not delete the conversation state file for conversation.

Explanation:
An attempt to delete the conversation state file under the hwsdata directory during processing of the command HWSCMD EXIT [CONV] convTokn failed. This is most likely a sharing violation. The conversation state file might be

in use by an active CGI-Bin program or Net.Data transaction DLL. If this is the case, you must wait until the current iteration of the conversation completes. At this point, IMS Web still considers the conversation to be active.

User Action:

To end the conversation, delete the conversation state file manually. If you have an orphaned CGI-Bin program, you may have to end that process in order to be able to delete the conversation state file.

Return code 10403

Return code:

10403

Message:

HWSCMD EXIT: Terminate conversation successful for conversation.

Explanation:

An Exit Conversation request has been sent to the host for the conversation specified in the HWSCMD EXIT [CONV] convTokn or HWSCMD EXIT [CONV] GTmmm command. In addition, the conversation state file(s) for the conversation(s) specified in the HWSCMD EXIT [CONV] convTokn or HWSCMD EXIT [CONV] GTmmm command have been deleted from the hwsdata directory.

User Action:

Check the host console to verify that the conversation has been terminated. Otherwise, no action is required.

Return code 20000

Return code:

20000

Message:

HWSParser:Error: The syntax after EQU concatenation, '.' is incorrect.

Explanation:

There is a syntax error after the concatenation symbol in the EQU statement in the MFS file.

User Action:

Verify the syntax of the EQU statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20001

Return code:

20001

Message:

HWSParser:Error:Syntax error on EXIT keyword.

Explanation:

There is a syntax error on the EXIT keyword. This might be because the parameter is not in the '(exitnum, exitvector)' format.

User Action:

Verify the syntax of the EXIT keyword in the MFS file. Refer to the line

number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20002

Return code:
20002

Message:
HWSParser:Error:Syntax error on GRAPHIC keyword.

Explanation:
There is a syntax error on the GRAPHIC keyword. This might be because the parameter is not equal to Yes or No.

User Action:
Verify the syntax of the GRAPHIC keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20003

Return code:
20003

Message:
HWSParser:Error:Copied source file does not exist.

Explanation:
The copied MFS source file is not found in the project directory. The specified MFS source file might have been renamed or deleted from the project directory.

User Action:
Verify the existence of the MFS file in the project directory. Be sure the name is the same as the one specified. Go back to the Gather Files window in the IMS Web Studio tool, refresh the list of files, and select the files again.

Return code 20004

Return code:
20004

Message:
HWSParser:Error:No MFS file to parse.

Explanation:
An attempt to open the MFS file to parse failed. No MFS file can be found to parse.

User Action:
You have not specified any MFS file to parse. Or, the MFS file you specified might be missing from the directory. Verify the existence of the MFS file in the project directory.

Return code 20005

Return code:
20005

Message:

HWSParser:Error:ENDDO statement is detected without corresponding DO statement.

Explanation:

There is a syntax error in the MFS file. No corresponding DO statement is found before the ENDDO statement in the MFS file.

User Action:

Verify the syntax of the DO-ENDO statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20006

Return code:

20006

Message:

HWSParser:Error:A statement between DO & ENDDO statements is not an MFLD statement.

Explanation:

There is a syntax error in the MFS file. A non-MFLD statement is detected between the DO and ENDDO iterative block statements.

User Action:

Verify the syntax of the MFLD statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20007

Return code:

20007

Message:

HWSParser:Class/Attr name suffix overflow; too many unlabeled statements in project's MFS files.

Explanation:

There is a syntax error in the MFS file. The class/attr name suffix overflows.

User Action:

Verify the syntax in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20008

Return code:

20008

Message:

HWSParser:Error:Syntax error on SOR keyword.

Explanation:

There is a syntax error on the SOR keyword. The required parameter might be missing, no format name is specified, or the keyword or parameter is invalid.

User Action:

Verify the syntax of the SOR keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20009**Return code:**

20009

Message:

HWSParser:Error:Syntax error on FILL keyword.

Explanation:

There is a syntax error on the FILL keyword. The required parameter might be missing or is invalid.

User Action:

Verify the syntax of the FILL keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20010**Return code:**

20010

Message:

HWSParser:Error:Syntax error on OPT keyword.

Explanation:

There is a syntax error on the OPT keyword. The required parameter might be missing or is invalid.

User Action:

Verify the syntax of the OPT keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20011**Return code:**

20011

Message:

HWSParser:Error:Syntax error on PAGE keyword.

Explanation:

There is a syntax error on the PAGE keyword. The required yes or No parameter is missing or is invalid.

User Action:

Verify the syntax of the PAGE keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20012**Return code:**

20012

Message:

HWSParser:Error:Syntax error on literal specification.

Explanation:

There is a syntax error on the literal specification.

User Action:

Verify the syntax of the literal specification in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20013

Return code:

20013

Message:

HWSParser:Error:Cannot read file.

Explanation:

An error is encountered when reading the MFS source file. The file might be corrupted, contain control characters, or it is not in plain text format.

User Action:

Verify the MFS file specified in the error message. Replace or clean up the file and parse the file again.

Return code 20014

Return code:

20014

Message:

HWSParser:Error:Cannot close file.

Explanation:

An attempt to close the MFS file failed. The file might be deleted or another resource is accessing the file.

User Action:

Verify the existence of the MFS file and be sure no other resource is accessing the file.

Return code 20015

Return code:

20015

Message:

HWSParser:Error:Unknown statement type.

Explanation:

There is an unknown statement detected in the MFS file. This might happen because of a missing continuation character in the previous line.

User Action:

Verify the syntax in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20016

Return code:

20016

Message:

HWSParser:Error:File or directory is null.

Explanation:

The specified MFS file or directory is empty.

User Action:

Verify the existence of the MFS file and the project directory. Replace the file if necessary and parse the file again.

Return code 20017

Return code:

20017

Message:

HWSParser:Error:Cannot open file.

Explanation:

An attempt to open the specified MFS source file failed. The file might be corrupted or missing from the directory.

User Action:

Verify the existence of the MFS file in the project directory. Replace the file if necessary. Go back to the Gather Files window in the IMS Web Studio tool, refresh the list of files, and parse the files again.

Return code 20018

Return code:

20018

Message:

HWSParser:Error:MFS file terminated prematurely.

Explanation:

The MFS file ended prematurely. The file might be corrupted or part of the context is missing.

User Action:

Verify the existence of the MFS file in the project directory. Replace the file if necessary. Go back to the Gather Files window in the IMS Web Studio tool, refresh the list of files, and parse the files again.

Return code 20019

Return code:

20019

Message:

HWSParser:Error:Non-numeric value.

Explanation:

There is syntax error in the MFS file. A statement or keyword is expecting a numeric value parameter.

User Action:

Verify the syntax in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20020**Return code:**

20020

Message:

HWSParser:Error:Required parm is missing.

Explanation:

There is syntax error in the MFS file. A required parameter is missing.

User Action:

Verify the syntax in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20021**Return code:**

20021

Message:

HWSParser:Error:DFLD name positional parm has a format error.

Explanation:

There is syntax error in the DFLD name in the MFS file. A positional parameter is formatted incorrectly.

User Action:

Verify the syntax of the DFLD name in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20022**Return code:**

20022

Message:

HWSParser:Error:JUST keyword has an error.

Explanation:

There is syntax error in the JUST keyword in the MFS file.

User Action:

Verify the syntax of the JUST keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20023**Return code:**

20023

Message:

HWSParser:Error:LTH keyword has an error.

Explanation:

There is syntax error in the LTH keyword in the MFS file.

User Action:

Verify the syntax of the LTH keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20024

Return code:

20024

Message:

HWSParser:Error:COND clause has an error.

Explanation:

There is syntax error in the COND clause in the MFS file.

User Action:

Verify the syntax of the COND clause in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20025

Return code:

20025

Message:

HWSParser:Error:COND clause contains invalid operator.

Explanation:

There is syntax error in the COND clause in the MFS file. The clause contains an invalid operator.

User Action:

Verify the syntax of the COND clause in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20026

Return code:

20026

Message:

HWSParser:Error:Required SOR keyword is missing.

Explanation:

There is syntax error in the SOR keyword in the MFS file. The keyword is missing.

User Action:

Verify the syntax of the SOR keyword in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20027

Return code:

20027

Message:

HWSParser:Error:EQU statement is missing value.

Explanation:

There is syntax error in the EQU statement in the MFS file. The statement is missing a value.

User Action:

Verify the syntax of the EQU statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20028

Return code:

20028

Message:

HWSParser:Error:DO statement is missing count.

Explanation:

There is syntax error in the DO statement in the MFS file. The statement is missing a count.

User Action:

Verify the syntax of the DO statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20029

Return code:

20029

Message:

HWSParser:Error:DO statement has incorrect SUF keyword.

Explanation:

There is syntax error in the DO statement in the MFS file. The statement has an incorrect SUF keyword.

User Action:

Verify the syntax of the DO statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20030

Return code:

20030

Message:

HWSParser:Error:DO statement has incorrect value for BOUND.

Explanation:

There is syntax error in the DO statement in the MFS file. The statement has an incorrect value for BOUND.

User Action:

Verify the syntax of the DO statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20031

Return code:

20031

Message:

HWSParser:Error:RESCAN statement specifies something other than On or Off.

Explanation:

There is syntax error in the RESCAN statement in the MFS file. The statement specifies something other than On or Off.

User Action:

Verify the syntax of the RESCAN statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20032

Return code:

20032

Message:

HWSParser:Error:RESCAN statement specifies non-decimal digits for number.

Explanation:

There is syntax error in the RESCAN statement in the MFS file. The statement specifies non-decimal digits.

User Action:

Verify the syntax of the RESCAN statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20033

Return code:

20033

Message:

HWSParser:Error:SEG statement specifies invalid value for exitnum.

Explanation:

There is syntax error in the SEG statement in the MFS file. The statement specifies an invalid value for exitnum.

User Action:

Verify the syntax of the SEG statement in the MFS file. Refer to the line

number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 20034

Return code:
20034

Message:
HWSParser:Error:SEG statement specifies invalid value for exitvect.

Explanation:
There is syntax error in the SEG statement in the MFS file. The statement specifies an invalid value for exitvect.

User Action:
Verify the syntax of the SEG statement in the MFS file. Refer to the line number and statement details specified in the error message. Make the necessary changes and parse the file again.

Return code 30000

Return code:
30000

Message:
HWSParser:Error:IO Exception has occurred.

Explanation:
The generator has tried to write an invalid character or a null character.

User Action:
Contact your IBM service representative.

Return code 92000

Return code:
92000

Message:
HWSParser:Internal Error:An unhandled exception occurred.

Explanation:
An internal error has occurred. A parse method of class Parse has produced an unhandled exception.

User Action:
Contact your IBM service representative.

Return code 92001

Return code:
92001

Message:
HWSParser:Internal Error:Null MFS source file/directory name.

Explanation:
An internal error has occurred. Invalid file and/or directory names are being used for the MFS file.

User Action:
Contact your IBM service representative.

Return code 92002

Return code:
92002

Message:
HWSParser:Internal Error:Internal error while processing DO within MSG :
no reference to MSG.

Explanation:
An internal error has occurred. The parser cannot process the DO
statement in the MFS file.

User Action:
Contact your IBM service representative.

Return code 92003

Return code:
92003

Message:
HWSParser:Internal Error:ENDDO statement is detected without current
segment initialized.

Explanation:
An internal error has occurred. The parser cannot process the ENDDO
statement in the MFS file.

User Action:
Contact your IBM service representative.

Return code 92004

Return code:
92004

Message:
HWSParser:Internal Error:Invalid char in suffix.

Explanation:
An internal error has occurred. The parser has encountered an invalid
character.

User Action:
Contact your IBM service representative.

Return code 92005

Return code:
92005

Message:
HWSParser:Internal Error:Internal error while processing MFS statement
parameters.

Explanation:

An internal error has occurred. The parser cannot process MFS statement parameters.

User Action:

Contact your IBM service representative.

Return code 92006**Return code:**

92006

Message:

HWSParser:Internal Error:insertElementAt failed with exception from vector.

Explanation:

An internal error has occurred. The insertElementAt method of class vector has produced an array out of bounds exception. This might be a processing error.

User Action:

Contact your IBM service representative.

Return code 92007**Return code:**

92007

Message:

HWSParser:Internal Error:mfsFiles is empty; no output from processFiles().

Explanation:

An internal error has occurred. The parser cannot find the MFS information to process.

User Action:

Contact your IBM service representative.

Return code 93001**Return code:**

93001

Message:

HWSGenerator:Internal Error:Radix out of range.

Explanation:

An internal error has occurred. The generator has tried to write a number out of range of the radix.

User Action:

Contact your IBM service representative.

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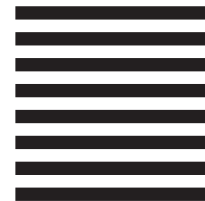
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