

## **Adabas Cluster Services**

### **Entire Net-Work Messages and Codes**

Version 7.4.2

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This document applies to Adabas Cluster Services Version 7.4.2 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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# 1 Entire Net-Work Messages and Codes

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During Entire Net-Work execution, a variety of messages may be issued, usually to the operator console or the print dataset. This section describes the messages for the Entire Net-Work control programs and the XCF line driver module. The messages are listed alphabetically and the different groups are identified by a section heading.

Each message is identified by a six- or seven-character alphanumeric identifier.

## **ADAIOR Messages (NETInn)**

These Entire Net-Work system messages are identical to the corresponding ADAInn messages documented in the *Adabas Messages and Codes* documentation.

## **ADAMPM messages (NETMnn)**

These Entire Net-Work system messages are identical to the corresponding ADAMnn messages documented in the *Adabas Messages and Codes* documentation.

The Entire Net-Work Messages and Codes documentation is organized in the following topics:

 <b>NETnnnn Control Module Messages</b>	NETnnnn: Entire Net-Work control module messages.
 <b>Expandable Buffer Pool Messages</b>	NETBnnn: Expandable buffer pool messages.
 <b>NETSIP/NETSIR Initialization Program Messages</b>	NETSnnn: NETSIP/NETSIR messages by the Entire Net-Work SVC installation /initialization programs.
 <b>Batch Utility Program Messages</b>	NETUnnn: Batch utility program messages.
 <b>XCF Line Driver Messages</b>	NETXnnn: XCF line driver messages.
 <b>ABEND and Response Codes</b>	nnn: ABEND and response codes.



## 2 NETnnnn: Control Module Messages

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Messages relevant to overall Entire Net-Work operation are listed below. Messages are either issued to the print dataset or displayed at the operator console and logged to the print dataset, as appropriate.

**NET0001      STATEMENT TOO LONG**

**Explanation**      Even though Entire Net-Work parameter statements may extend over multiple lines, they may not be infinitely long. The current maximum for any one statement is approximately 4000 characters (not counting embedded comments).

**System Action:** The statement in question is not interpreted; any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:**      Try to abbreviate some keywords or eliminate some unnecessary blanks from the statement.

**NET0002      INVALID STATEMENT: statement-verb**

**Explanation**      The specified statement verb is not one of those recognized by Entire Net-Work (NODE, DRIVER, or LINK).

**System Action:** The statement in question is not interpreted; any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:**      Ensure correct coding of recognized statements; you may have coded a comment or a continuation line incorrectly.

**NET0003      INVALID KEYWORD: keyword**

**Explanation**    The specified keyword parameter was coded but is not recognized in this statement.

**System Action:** The statement in question is not interpreted beyond this point; it and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:**    Ensure correct coding of recognized keywords; note that the set of valid keywords is likely to be different between access methods, and between DRIVER and LINK statements of the same access method.

**NET0004      INVALID VALUE FOR KEYWORD: keyword nnn**

**Explanation**    There are certain constraints on valid values for some keyword parameters, such as:

- numeric values
- hexadecimal values
- YES or NO only, etc.

In this case, the parameter indicated was not correctly specified. *nnn* is specified for multiple value parameters only; if given, it specifies the position of the subparameter in error.

**System Action:** The statement in question and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**User Action:**    Refer to the specific Entire Net-Work parameter descriptions for more information.

**NET0005      DUPLICATE NODE STATEMENT**

**Explanation**    More than one NODE statement was coded in the parameter dataset.

**System Action:** The statement in question is not interpreted. Any statements following it are scanned for errors. Session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:**    Eliminate all but one of the NODE statements from the parameter dataset.

**NET0006      INVALID DRIVER NAME: aaaaaaa**

**Explanation**    The value *aaaaaaa* is not a valid line driver name.

**System Action:** The statement in question is not interpreted; any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:**    Refer to the documentation for more information about valid line driver names.

- NET0007      DUPLICATE aaaaaaaa DRIVER STATEMENT**
- Explanation**    More than one DRIVER statement was coded for the access method *aaaaaaa*.
- System Action:** The statement in question is not interpreted; any statements following it are scanned for errors; session initialization is aborted after all statements have been read.
- Note:** Errors reported in subsequent statements may result from this error.
- User Action:**    Eliminate any extraneous DRIVER statements from the parameter dataset.
- 
- NET0008      aaaa DRIVER NOT AVAILABLE**
- Explanation**    The NETaaaa line driver module could not be loaded from your libraries. This is either due to an error in specifying the line driver name, or the line driver is not installed in your libraries.
- System Action:** The statement in question is not interpreted; any statements following it are scanned for errors; session initialization is aborted after all statements have been read.
- Note:** Errors reported in subsequent statements may result from this error.
- User Action:**    Ensure that the driver NETaaaa is available and installed correctly; verify correct spelling, or check your JCL for correct library specifications.
- 
- NET0009      MORE THAN nn VALUES FOR KEYWORD: keyword**
- Explanation**    More values than expected were coded for the specified multiple-value keyword parameter. The value "nn" is the maximum number of values permitted by the definition of the parameter.
- System Action:** The statement in question and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.
- Note:** Errors reported in subsequent statements may result from this error.
- User Action:**    Refer to the documentation for more information about the number of values defined for the parameter in question and their meaning.
- 
- NET0010      REQUIRED PARAMETER NOT SPECIFIED: aaaaaaa nnn**
- Explanation**    The keyword or positional parameter *aaaaaaa* was either incorrectly specified or was missing. The value *nnn* is specified for multiple value parameters only; if given, it specifies the position of the incorrectly specified or missing subparameter.
- System Action:** The statement in question and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.
- Note:** Errors reported in subsequent statements may result from this error.
- User Action:**    Refer to the documentation for more information about the required parameters and their valid values.

**NET0011      EOF FOUND BEFORE END OF STATEMENT**

**Explanation**    The last statement line found before the end of the dataset indicated that a continuation line was to be expected.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Correct the parameter statement.

**NET0012      PARM ERROR(S)**

**Explanation** This informational message is provided after all parameter statements have been read, indicating that the Entire Net-Work session is about to be terminated abnormally due to previously listed parameter errors.

**User Action:** This message is for information only.

**NET0013      BUFFER POOL INIT FAILED, RC=nn**

**Explanation**    The Entire Net-Work buffer pool manager failed to set up the buffer pools as specified in the BUFFERS keyword parameter on the NODE statement.

Return codes of 20 and 24 indicate that the required amounts of memory were not available; other values indicate possible internal errors, and should be reported to your Software AG technical support representative.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Correct the condition that caused the buffer pool failure (provide enough storage in the partition or address space; provide enough real storage to permit page-fixing the page-fixed buffer pool; or consider reducing the buffer pool sizes).

**NET0014      CONTROL BLOCK SPACE UNAVAILABLE**

**Explanation**    A storage request for permanent control blocks failed. Permanent control blocks describing the network topology are not allocated from the buffer pools but obtained from the operating system instead.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Provide more storage in the partition or address space.

**NET0015      aaaa DRIVER INIT FAILED (RC=nn)**

**Explanation**    Line driver initialization failed; an explanatory message should have been issued by the line driver. The return code (nn) depends on the access method; it may indicate an internal error.

**System Action:** The statements following this DRIVER statement are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:** Refer to the access-method-specific messages for corrective action. If an internal error is indicated, have a system dump and any other documentation available and contact your Software AG technical support representative.

**NET0016      aaaa DRIVER NOT PREVIOUSLY INITIALIZED**

**Explanation** A LINK statement referred to the access method *aaaa*, but either a DRIVER statement for *aaaa* was not specified, the specified line driver could not be loaded, or the driver initialization failed. Note that the DRIVER statement must appear *before* the LINK statement.

**System Action:** The statement in question and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:** Ensure that a DRIVER statement is before the LINK statement and that the LINK statement specifies the correct DRIVER statement name.

**NET0017      DUPLICATE LINK NAME: linkname**

**Explanation** The names of all links on a node must be unique.

**System Action:** The statement in question and any statements following it are scanned for errors; session initialization is aborted after all statements have been read.

**Note:** Errors reported in subsequent statements may result from this error.

**User Action:** Assign unique link names to all LINK statements on the node.

**NET0018      ADAMPM CALL nn FAILED**

**Explanation** An error occurred during interregion processing. It is likely that ADAMPM has also issued a NETMxx message to explain the problem; if not, an internal system error occurred. The call type is specified as *nn*.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Refer to the documentation of the NETMxx message for details. If a system error occurred, have a system dump and any other documentation available, and contact your Software AG technical support representative.

**NET0019      COMMAND QUEUE SPACE UNAVAILABLE**

**Explanation** The storage request for the command queue (request queue) failed. The amount of storage necessary is  $(NC+1)*192$  bytes, where NC is the value of the NC parameter in the ADARUN statement.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Provide more storage in the partition or address space or reset the NC parameter value. Note that the amount of storage required for the command queue is usually small compared to the overall storage requirements of Entire Net-Work.

**NET0020 UNRESOLVED VCONS IN DRIVER MODULE**

**Explanation** An internal error occurred; it is likely that an incorrect line driver module was loaded.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Have the storage dump and/or dumps of the Entire Net-Work modules available, then contact your Software AG technical support representative.

**NET0021 UNEXPECTED EVENT INDICATOR: xxxxxxxx**

**Explanation** An internal error occurred; it is likely that an incorrect line driver module was loaded.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Have the storage dump and/or dumps of the Entire Net-Work modules available, then contact your Software AG technical support representative.

**NET0022 ACM WORK BUFFER SHORTAGE**

**Explanation** The access method working storage requests could not be satisfied by the line driver. This typically indicates an insufficient asynchronous buffer pool size.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Check the buffer pool statistics printed at the end of the session, then provide more storage in the asynchronous buffer pool.

**NET0023 NODE STATEMENT MISSING**

**Explanation** A NODE statement *must* be given as the first parameter statement.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Provide an appropriate NODE statement as the first parameter statement.

**NET0024 NO DRIVER LOADED**

**Explanation** After initialization, the number of successfully initialized line drivers is zero. With no active line drivers, there is no point in continuing the Entire Net-Work session.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:** Verify that all line drivers and their environments have been installed correctly, and that all DRIVER statements have been coded accordingly.

**NET0025 NET0025 TRACE TABLE INIT FAILED, RC=nn**

**Explanation** The requested trace table could not be initialized. RC=4 indicates that not enough storage was available; any other value indicates an internal error.

**System Action:** The system continues to run, but with tracing disabled.

**User Action:** If RC=4, either try to run with a smaller trace table or provide a larger partition or address space. If *nn* is other than 4, contact your Software AG technical support representative.

**NET0026      INITIALIZATION FAILED**

**Explanation**    This is an informational message only, specific error conditions are described in preceding messages.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Refer to the preceding messages for the reasons of the failure.

**NET0027      HANDSHAKE BUFFER SHORTAGE (RC=nn)**

**Explanation**    There were not enough short-term buffers available to sustain the handshake process. It is highly unlikely that the present amount of buffer space is adequate to handle any message traffic.

Return code values other than 4 or 8 may indicate an internal error. Contact your Software AG technical support representative.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Provide more storage in the short term (or possibly the page-fixed) buffer pool, according to the buffer pool statistics provided.

**NET0028      MESSAGE BUFFER SHORTAGE**

**Explanation**    There were not enough short-term buffers available to handle message traffic.

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Provide more storage in the short term or page-fixed buffer pool, according to the buffer pool statistics provided.

**NET0029      B1 TARGET xxxxx aaaa ON UNKNOWN NODE yyyyy**

**Explanation**    A B1 broadcast message was received from an unknown node. This indicates an error condition in the internal network tables.

**System Action:** None. The Entire Net-Work session continues operation.

**User Action:**    If this message occurs repeatedly, attempt to locate inconsistent Entire Net-Work descriptions. Report the problem to your Software AG technical support representative.

**NET0031      INVALID LOG PARAMETER**

**Explanation**    The value specified for the LOG keyword on the NODE statement or the SET operator command was invalid.

**System Action:** The erroneous parameter is ignored. Processing continues normally.

**User Action:**    Use the SET operator command to specify the correct LOG parameter value.

**NET0032      EXCESSIVE ECB COUNT IN DRIVER aaaa**

**Explanation**    An internal error occurred; it is likely that an incorrect module was loaded as line driver NET $aaaa$ .

**System Action:** The Entire Net-Work session is terminated abnormally.

**User Action:**    Have the storage dump and/or dumps of the Entire Net-Work modules available, then contact your Software AG technical support representative.

**NET0033      aaaa DRIVER REQUIRES PAGE-FIXED BUFFERS**

**Explanation**    The access method "aaaa" requires a page-fixed buffer pool in order to function in your operating system configuration.

**System Action:** The line driver initialization is aborted. The system may continue operating if other line drivers are active.

**User Action:**    Use the BUFFERS keyword parameter of the NODE statement to specify a page-fixed buffer pool. Refer to section *Buffers* in the *Parameters and Parameter Statements* documentation for specific information.

**NET0034      UNSUPPORTED VERSION OF ADAIOR. NETWRK TERMINATING**

**Explanation**    An unsupported version of Adabas or the WAL library is being used.

**User Action:**    Supply the appropriate Adabas or WAL libraries.

**NET0036      rrrrrrrr mmmmmmmmmmm nnnnnnnnnn**

**Explanation**    This message is issued in response to operator command DISPLAY STATS EXTENDED. It lists statistics for internal Entire Net-Work service routines.

**User Action:**    No action is required. This message is for Software AG use only.

**NET0037      module (yyyy-mm-dd SM=sss) ZAP LEVEL zzzz ADDITIONAL ZAPS: zzzz zzzz zzzz zzzz  
zzzz zzzz zzzz zzzz zzzz zzzz**

**Explanation**    This message is issued in response to operator command DISPLAY ZAPS. For each Entire Net-Work module, its name, assembly date, system maintenance level, and ZAP level are displayed. If ZAPs were applied after initial shipment, their numbers are listed as 'Additional' ZAPs.

**User Action:**    No action is required. This message is informational only.

**NET0039    xxxxxxxx, NETSAF VERSION IS INVALID, SHUTDOWN**

**Explanation** The NETSAF module version is invalid or the NETSAF module is not available; xxxxxxxx is the name of the module issuing the message. Entire Net-Work shuts down following this message.

**User Action:** Save the DDPRINT; then contact your Software AG technical support representative.

**NET0040    GET NETSAF WORK AREA FAILED FOR LINK xxxxxxxx; DISCONNECTING LINK**

**Explanation** An attempt to obtain buffer pool storage for the NETSAF work area failed for link xxxxxxxx. Security authorization cannot be performed without this work area, so the link is disconnected.

**User Action:** The failure may be due to a buffer pool shortage. Check the buffer pool statistics. You may need to increase the region size.

**NET0041    M NETRCV BUFFER SHORTAGE, NET-WORK TERMINATING**

**Explanation** NETRCV was unable to get the necessary storage. Entire Net-Work shuts down following this message.

**User Action:** Save the DDPRINT and the DUMP, if available, and contact your Software AG technical support representative.

**NET0052    INVALID LOGSIZE VALUE; LOGSIZE SET TO 32760**

**Explanation** A value greater than 32760 has been specified for the LOGSIZE parameter. The valid range is 0 - 32760.

**System Action:** The value is set to 32760, and Entire Net-Work continues.

**User Action:** Specify a valid LOGSIZE value.

**Module:**        NETWRK

**NET0086    INVALID SNAP PARAMETER: xxxxxxxx**

**Explanation** A SNAP operator command was issued with an invalid additional parameter. Valid parameters are MAIN, MYBLK, TRACE, CURRMSG, UBQ, CQ, and BPH.

**User Action:** Reissue the SNAP command with valid parameters. Refer to the description of the SNAP operator command in the relevant section of this documentation.

**NET0087    count REQUESTS FROM LOCAL RQ**

**Explanation** This message displays the number of requests Entire Net-Work received from its local request queue for transmission to other nodes.

**User Action:** This message is for information only.

**NET0088    count REQUESTS FOR TARGET targetid ON NODE aaaaaaaa**

**Explanation** This message displays the number of requests Entire Net-Work handled for the specified target.

If *aaaaaaa* indicates the local node, the number specifies incoming requests, otherwise outgoing requests.

This message is not displayed for targets with a message count of zero.

**User Action:** This message is for information only.

**NET0089    count REQUESTS TOTAL ..... FOR NODE aaaaaaaa**

**Explanation** This message displays the number of requests Entire Net-Work handled for all targets on node *aaaaaaa*.

If *aaaaaaa* indicates the local node, the number specifies incoming requests, otherwise outgoing requests.

This message is not displayed for nodes with a request count of zero.

**User Action:** This message is for information only.

**NET0090    BUFFER USAGE STATISTICS**

**Explanation** This message immediately precedes the NET0091 message.

**User Action:** This message is for information only. Refer to the NET0091 message for more information.

**NET0091    resource-name: sizea (= nn.n %) OF sizeb K USED**

**Explanation** At the end of each Entire Net-Work session, usage statistics (*sizea*) for major buffer pool resources are displayed; values are in kilobytes (1024-byte units, or *sizeb*), and fractional values are rounded to the next lower value; the percentages given provide a better measurement of buffer pool usage (request queue statistics are specified in the number of queue elements).

**User Action:** Monitor buffer usage, and take corrective action if any of the usage figures are near 100%.

**NET0092    count NODE STACK EXPANSIONS PERFORMED**

**Explanation** The value provided by the MAXPATH keyword parameter on the NODE statement determines the size of the node stack in the message header, which in turn records the message's path through the network. Whenever a message path exceeds the capacity of the originally created node stack, the relay node detecting the condition expands the node stack by copying the message into another buffer. To avoid this overhead, specify a larger MAXPATH value on the originating node (*not* on the node that presents this message to alert you to the condition at session termination).

**User Action:** If the number of node stack expansions becomes significant, try to identify the originating node and increase the MAXPATH value. An examination of the network topology is likely to provide all the necessary clues.

**NET0093    count REPLIES COULD NOT BE ROUTED**

**Explanation** This message displays the number of cases where a reply could not be routed to the user's node, probably because the node ended operation or became unreachable after the subject messages were sent. No provision is made to deliver the reply elsewhere. The reply is abandoned; the count in this message is the only remaining indication of the abandoned replies.

**User Action:** This message is for information only.

**NET0094    count MESSAGES WERE STRANDED**

**Explanation** "Stranded" messages are user requests that could not be routed to the target node, but also could not be returned to the user to provide a response code because the user's node (or the only link to it) terminated or became unusable after the message was sent. Since there is nowhere else the messages could be delivered, they were abandoned. The count in this message is the only remaining indication of the abandoned messages.

**User Action:** This message is for information only.

**NET0095    count REQUESTS TIMED OUT (RSP224)**

**Explanation** This message displays the number of times this Entire Net-Work node issued response code 224 for message timeouts.

**User Action:** If the number becomes significant, it indicates certain bottlenecks somewhere in the network that need to be identified and eliminated. Alternatively, increase the `REPLYTIM` parameter on the `NODE` statement.

**NET0096    count REQUESTS FAILED DUE TO BUFFER SHORTAGE (RSP220)**

**Explanation** This message displays the number of times this Entire Net-Work node issued response code 220 for short term buffer shortage conditions.

**User Action:** If the number becomes significant, increase the size of the short term buffer pool.

**NET0097    NETWORK TERMINATING DUE TO PARM ERRORS**

**Explanation** Issued after all parameter statements have been read, this message indicates that due to previously listed parameter errors, the session of Entire Net-Work is about to be terminated.

**User Action:** No action is required. This message is for information only.

**NET0098    ABNORMAL TERMINATION COMPLETED**

**Explanation** The abnormal termination procedures were completed successfully.

**User Action:** This message is for information only.

**NET0099    NORMAL END OF RUN**

**Explanation** The normal termination procedures were completed successfully.

**User Action:** This message is for information only.

**NET0101    aaaaaaa DRIVER OPEN FAILED (RC=nn)**

**Explanation** The line driver "aaaaaaa" could not be opened. More specific messages should have been issued by the line driver. The return code (nn) depends on the access method.

**System Action:** If this condition is detected during session initialization, Entire Net-Work will terminate abnormally; if it occurs during an attempt to reopen a line driver after access method failure (either manually by the `START` operator command or automatically based on the `RESTART` parameter values specified in the `DRIVER` statement), normal system operation continues, but without the line driver in question.

**User Action:** Refer to the related access-method-specific line driver error message for information about the condition that caused this error. Correct the access method problem and issue a `START` operator command for the driver, or wait for the next `RESTART` to occur. Under certain circumstances, you may have to stop and restart the Entire Net-Work session to make the line driver available.

**NET0103    LINK linkname (aaaa) OPEN FAILED (RC=nn)**

**Explanation** The specified link (of driver *aaaa*) could not be opened. More specific messages describing the link problem were probably issued by the line driver. The return code (nn) depends on the access method.

**System Action:** The system continues to run normally without the link.

**User Action:** Refer to the related line driver error message for information about the cause of this error. Rectify the access-method problem and issue a `CONNECT` operator command for the link, or wait for the next `RESTART` to occur. Under certain conditions you may need to stop and restart the Entire Net-Work session in order to make the link available.

**NET0104    LINK linkname (aaaa) CONNECT FAILED**

**Explanation** The specified link (for driver *aaaa*) could not be connected. More specific messages describing the link problem were probably issued by the line driver.

Note that this is an actual error condition. The normal operating case where one node tries to connect before the partner is available cannot cause this error.

**System Action:** The system continues to run normally without the link.

**User Action:** Refer to the access-method-specific error messages for information about the cause of this error. Correct the access-method problem and issue a `CONNECT` operator command for the link, or wait for the next `RESTART` to occur. Under certain circumstances, you may need to stop and restart the Entire Net-Work session in order to make the link available.

**NET0105 ALL *aaaa* LINKS CLOSED BY ACCESS METHOD TERMINATION**

**Explanation** The access method *aaaa* was terminated. Links using that access method can no longer function.

**System Action:** The system continues to run normally without the links.

**User Action:** When the access method becomes available again, use the operator commands `START` and `CONNECT` to restart the line driver and links involved. You may want to specify the `RESTART` parameters on the `DRIVER` or `LINK` statements to automate this process.

**NET0106 LINK *linkname* CAN'T CONNECT TO NODE *aaaaaaaa* reason**

**Explanation** Handshaking could not be completed to node "*aaaaaaaa*" through the specified link for the reason given, which can be one of the following:

**(reason) INV(ALID) LINK STATUS**

**Explanation** The link received a handshake request from the other side that conflicted with the current link status. A handshake error message is sent to the other node, rejecting the request.

**(reason) REJECTED BY NODE**

**Explanation** A handshake request was rejected by the other node; this may be due to network conflicts (see below), in which case messages NET0108 and NET0109 are issued to describe the conflict; if no such messages appear, the problem is probably caused by an invalid link status on the other side (see above).

**(reason) NETWORK CONFLICT**

**Explanation** Handshaking determined that conflicts exist between the network topologies as seen by this node and node *aaaaaaaa*; therefore, a connection through the specified link was not established. Messages NET0108 and NET0109 are also issued before this message, defining the conflicts. Note that the connection is physically functional, but cannot be used due to the conflicts.

**System Action:** The link is disconnected.

**User Action:** Remove the conflict from the network. This may require terminating and renaming a node, or terminating one or more targets with duplicate target IDs. Then use the `CONNECT` operator command to resume handshaking.

**NET0107 LINK *linkname* DISCONN. FROM NODE *aaaaaaaa***

**Explanation** The specified link was disconnected from node "*aaaaaaaa*" by one of the following events:

- node termination;
- a `DISCONNECT` operator command;
- certain types of link failures (described by related line driver messages); or
- a disconnect request from the other node due to one of these causes.

**System Action:** The system continues processing without the link.

**User Action:** If appropriate, try to reconnect the link with the `CONNECT` operator command. If the cause of the disconnect has not been corrected, the reconnect attempt will fail.

**NET0108**      **CONFLICT: TARGET `targetid` ON NODE `aaaaaaa` AND `bbbbbbbb`**

**Explanation**      Target IDs must be unique throughout the network. If multiple targets with the same ID are detected during link connection, the link cannot be connected until the conflict is resolved. Message NET0106 or NET0306 is issued after all detected conflicts have been listed.

**System Action:** The link is disconnected.

**User Action:** Remove the conflict from the network by terminating targets with duplicate target IDs. Then use the `CONNECT` operator command to resume handshaking.

**NET0109**      **CONFLICT: NODE `aaaaaaa`**

**Explanation**      Node names must be unique throughout the network. If multiple nodes with the same name are detected during link connection, the duplicate link cannot be connected. Message NET0106 or NET0306 is issued after all detected conflicts have been listed.

**System Action:** The link is disconnected.

**User Action:** Remove the conflict from the network by terminating and renaming the conflicting node(s). As an alternative, first try the `PROBE` operator command to verify whether node `aaaaaaa` is actually active, then issue the `CONNECT` operator command to resume handshaking.

**NET0110**      **LINK `linkname` CONNECTED TO NODE `aaaaaaa`**

**Explanation**      The specified link was successfully connected to node "`aaaaaaa`". The function may have been initiated from either side.

**System Action:** Normal processing continues; the newly connected link will be considered for message traffic.

**User Action:** This message is for information only.

**NET0111**      **LINK `linkname` CLOSED**

**Explanation**      During Entire Net-Work termination, the specified link was closed. Usage statistics for the link follow this message.

**System Action:** After displaying the usage statistics, termination processing continues normally

**User Action:** This message is for information only.

**NET0112**    **nn,nnn,nnn,nnn MSGS; BLK FACTOR = nnn.nn**

**Explanation** This message details the number of messages and transmission blocks sent using the link and the blocking factor achieved. This last item is only displayed if BLOCKMSG=Y and STATBLK=Y are in effect for the link.

**User Action:** This message is for information only.

**NET0113**    **nn,nnn,nnn,nnn {INPUT | OUTPUT} THROWBACKS; WORST CASE: nn,nnn**

**Explanation** This message is printed in conjunction with message NET0111 if throwbacks occurred. It is an indication that not enough message buffers (short term or page-fixed buffer pool) were available at some point during the session. The worst case figure specifies how often one individual message was thrown back.

**User Action:** Check the buffer pool usage statistics; increase the appropriate buffer pool size to prevent future occurrences of this message.

**NET0114**    **SNAP DUMP WRITTEN TO NETPRNT / DDPRINT**

**Explanation** This message is displayed on the operator console to indicate that the SNAP operator command has been executed. The output is written to NETPRNT if it is available; otherwise, it is written to DDPRINT.

**User Action:** This message is for information only.

**NET0115**    **OPERATOR COMMAND NOT RECOGNIZED**

**Explanation** Entire Net-Work did not recognize the last operator command entered.

**System Action:** The command is ignored.

**User Action:** Refer to the section documenting operator commands to verify the correct syntax, then reissue the corrected command.

**NET0116**    **LINK linkname NOT FOUND**

**Explanation** An operator command was issued to act on the specified link, but no link with that name is defined.

**System Action:** The command is ignored.

**User Action:** To determine which links are defined, use the DISPLAY LINKS operator command, then reissue the corrected command.

**NET0117 LINK linkname CANNOT BE CONNECTED, STAT=status-code**

**Explanation** An operator command was issued to connect the specified link, but the link is in a state that does not allow connection (most likely the link is already connected). STAT= may be one of the following status codes:

ACTIVE	Active for payload message traffic.
COFAIL	The connection attempt failed.
CONN	The link requested is already connected.
CONSTA	The connection process started.
COPEND	The connection process is in waiting status.
DISC	Successful disconnection completed.
DISCRQ	Other party requested to be disconnected.
HSERR	A handshaking conflict occurred.
HSING	An interim status during handshake.
HS1	First handshake message was sent.
HS2	Second handshake message was sent.
NOTOPN	The link is not opened yet.
OPEN	The link is open.
SUSPND	Connection process was suspended.

**System Action:** The command is ignored.

**NET0118 INVALID RQE ADDRESS IN REPLY; DETAILED SNAP DUMP ON PRINTOUT**

**Explanation** A reply was received for a user request originating at this node. The message header's pointer to this request's request queue element (RQE) is invalid. This is probably an internal error. A possible valid cause for this condition could be that the node was terminated and restarted while the message was in transit in the network.

**System Action:** The message in error is dumped to the printer dataset for diagnostic pureness and then discarded. A user waiting for this reply is timed out with response code 224.

**User Action:** If a node restart did not cause the message, have the printout (as well as any other related information) available, and contact your Software AG technical support representative.

**NET0119 REPLY CANNOT BE MATCHED TO RQE; USER=userid**

**Explanation** A reply to the specified user's message arrived, but the user no longer owns the request queue element (RQE) associated with the dialog. This may be caused by the user program terminating abnormally or by a timeout condition due to the REPLYTIM parameter on the NODE statement. In either case, the user program that requested the reply is no longer waiting for it.

This condition is similar to the 'USER GONE' error detailed in messages NETM91, NETM92, and NETM93.

**System Action:** The message in error is discarded.

**User Action:** To reduce the chance of this error, increase the `REPLYTIM` parameter value on the `NODE` statement to accommodate the longest transmission time that typically occurs in the network.

**NET0120** `aaaa LINK linkname TO NODE bbbbbbbb STAT=status-code`

**Explanation** This message is issued in response to the `DISPLAY LINKS` operator command. `aaaa` specifies the access method for the link; the link name is from the `LINK` parameter statement; `bbbbbbbb` is the name of the node on the other side of the link; and `STAT=` indicates the status of the link.

**User Action:** Refer to NET0117 for the meaning of the link status codes.

**NET0121** `OUTPUT QUEUE: nnnn MSGS, mmmm TR.BLKS`

**Explanation** This message is issued in response to the `DISPLAY LINKS` operator command unless both `nnnn` and `mmm` are zero. It indicates a transmission backlog for the link.

A small backlog is normally not an error condition, but a backlog that increases over time may indicate a problem with the link.

Note that there are usually no messages in the input queue when operator commands are handled.

**User Action:** This message is for information only.

**NET0122** `NODE aaaaaaa (bbbbbbb) DIST nnnnn (lll) {LOCAL | VIA LINK cccccc | INACTIVE | NOT FOUND}`

**Explanation** This message is issued in response to the `DISPLAY NODES`, `DISPLAY PATHS`, or `PROBE` operator command.

aaaaaaa	specifies the node name from the <code>NODE</code> parameter statement.
bbbbbbb	is the node ID (target ID of the communicator).
ccccc	is the name of the first link on the path.
lll	is the number of links between this Entire Net-Work node and node 'aaaaaaa'.
nnnnn	is the distance to the node (computed by adding all link weights along the path to the node; see the <code>WEIGHT</code> parameter in the <code>LINK</code> statement).
LOCAL	a <code>DISPLAY NODES</code> command shows only the shortest path; thus, the local node is shown with the term <code>LOCAL</code> in place of the distance information.
VIA LINK	a <code>DISPLAY PATHS</code> command displays all paths to all nodes; that is; each node is listed once for each link that has a path to it. The distance shown is the shortest path length using the link.
INACTIVE	a <code>DISPLAY NODES</code> command specifying a node name or a <code>PROBE</code> command can display <code>INACTIVE</code> in place of the link information.

NOT FOUND	a DISPLAY NODES command specifying a node name or a PROBE command can display NOT FOUND in place of the link information.
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**User Action:** This message is for information only.

**NET0123 TARGETS: {nnnnn,mmmmm, ... | NONE}**

**Explanation** This message is issued in response to the DISPLAY NODES operator command. It lists the IDs of all targets currently active on the node named in the preceding message NET0122; the communicator's ID is not listed again in this message. The term NONE indicates that no targets except the communicator are active on that node.

**User Action:** This message is for information only.

**NET0124 TARGET nnnnn (tt - tr) {LOCKED | ACTIVE | INACTIVE } ON NODE aaaaaaaa**

**Explanation** This message is issued in response to the DISPLAY TARGETS operator command. All targets that were ever active in the network are listed.

aaaaaaa	is the name of the node on which the target is or was active.										
nnnnn	is the target ID										
tr	is 'T' if the target uses Adabas version 7 translation; otherwise, it is 'N'.										
tt	is one of the following target types:										
	<table border="1"> <tr> <td>C</td> <td>Communicator (Entire Net-Work)</td> </tr> <tr> <td>L</td> <td>Local isolated database</td> </tr> <tr> <td>I</td> <td>Global isolated database</td> </tr> <tr> <td>A</td> <td>Anchor (e.g., Natural global buffer pool)</td> </tr> <tr> <td>N</td> <td>Non-database target (Access)</td> </tr> </table>	C	Communicator (Entire Net-Work)	L	Local isolated database	I	Global isolated database	A	Anchor (e.g., Natural global buffer pool)	N	Non-database target (Access)
C	Communicator (Entire Net-Work)										
L	Local isolated database										
I	Global isolated database										
A	Anchor (e.g., Natural global buffer pool)										
N	Non-database target (Access)										
LOCKED	status indicator shown only while a duplicate target conflict is being resolved.										
ACTIVE	status of target										
INACTIVE	status of target. Inactive targets are shown on the node where they were last active.										

**User Action:** This message is for information only.

**NET0125 NO ACTIVE PATHS**

**Explanation** This message is displayed in response to a DISPLAY PATHS operator command when no paths are currently active.

**User Action:** This message is for information only.

**NET0126 NO LINKS FOUND**

**Explanation** This message is displayed in response to a `DISPLAY LINKS` operator command when no links have been defined or no links match the qualifier specified.

**Note:** Although it may seem pointless to have a communicator active with no links defined, a `DRIVER` statement specifying `ACCEPTUI=YES` could be used to generate links dynamically when other nodes attempt to connect.

**User Action:** This message is for information only.

**NET0127 SET COMMAND ACCEPTED**

**Explanation** This message is displayed to acknowledge a `SET` operator command.

**User Action:** This message is for information only.

**NET0128 ENTIRE NET-WORK TERMINATING TARGET *targetid* DUE TO CONFLICT**

**Explanation** Entire Net-Work usually prevents concurrent sessions by more than one target with the same ID. If targets with the same ID are started simultaneously on different nodes, the condition is recognized as soon as the broadcast messages meet.

**System Action:** All targets with the same ID are terminated by their respective communicators, and this message is displayed on the operator consoles.

**User Action:** One of the conflicting targets may be started again.

**NET0129 *aaaa* DRIVER OPENED**

**Explanation** This message acknowledges the successful execution of a `OPEN driver` (or `START driver`) operator command. *aaaa* defines the access method of the driver that was restarted.

**User Action:** This message is for information only.

**NET0130 *aaaa* DRIVER NOT OPENED**

**Explanation** The `CONNECT link` operator command could not be executed because the associated line driver was not open. *aaaa* is the access method of the line driver.

**System Action:** The command is ignored.

**NET0131 *aaaa* DRIVER ALREADY OPEN**

**Explanation** The `START driver` operator command could not be executed because the line driver is already open. *aaaa* is the access method of the line driver.

**System Action:** The command is ignored.

**NET0133 INVALID TRACE ARGUMENT: aaaaaaaa**

**Explanation** An invalid argument *aaaaaaa* was given for either the TRACE, TRON, or TROFF parameter on the NODE statement or on a SET operator command.

Valid trace arguments are

MAIN	for the control module
BPM	for the buffer pool manager
TQM	for the transmission queue manager
RQM	for the receive queue manager

as well as the access method names of all loaded line drivers.

**User Action:** This message is for information only.

**NET0134 NO SUCH TARGET**

**Explanation** The target ID specified as an argument of a DISPLAY TARGETS operator command was either invalid, or does not exist.

**System Action:** The command is ignored.

**User Action:** Specify the command with a valid target ID.

**NET0135 PROBE FOR NODE aaaaaaaa (nnnn.nnn SEC)**

**Explanation** A PROBE operator command was issued for node *aaaaaaa*, and the resulting message was returned. PROBE messages are time-stamped to measure the time needed to communicate between the local node and node *aaaaaaa*. The required time is displayed in *nnnn.nnn* seconds.

**User Action:** This message is for information only.

**NET0136 PROBE MSG SENT. USER DATA LENGTH: nnnnn**

**Explanation** This message acknowledges a PROBE operator command and displays the length of the random user data sent (maximum length is 64512 bytes). Message NET0135 is displayed when the PROBE reply is returned.

**User Action:** This message is for information only.

**NET0137 LINK linkname CONNECT INITIATED**

**Explanation** A connect request was issued for the link specified. Additional messages are displayed as the connection process progresses. If the partner node is not active, some access methods may display appropriate messages; others may not.

**System Action:** The link is placed in "Connect Pending" status; when all required actions by both nodes are completed, the link is placed in "Active" status and message NET0110 is displayed.

**User Action:** This message is for information only.

**NET0139 nn,nnn a BYTES SENT; COMPRESSION RATE nnn.nn**

**Explanation** This message displays the number of (uncompressed) bytes sent using this link and the compression rate that was accomplished.

The multiplier character 'a' may take on one of the following values:

blank	bytes
K	kilobytes ( $10^3$ )
M	megabytes ( $10^6$ )
G	gigabytes ( $10^9$ )
T	terabytes ( $10^{12}$ )

**User Action:** This message is for information only.

**NET0142I UNABLE TO LOAD SERVICE ROUTINE NETCT1**

**Explanation** This message, in response to a TRANSLAT parameter statement or operator command, indicates that module NETCT1 is not linked and cannot be loaded dynamically.

**System Action:** The TRANSLAT parameter statement or operator command is ignored. Entire Net-Work operation continues.

**User Action:** This message is for information only.

**NET0144I CSCI FUNCTION NOT AVAILABLE**

**Explanation** A DISPLAY CSCI operator command was issued, but the NETCSI module is not linked to Entire Net-Work and is not available for dynamic load.

**NET0145I LINK linkname DISABLED**

**Explanation** This message confirms the successful completion of a DISABLE operator command.

**User Action:** This message is for information only.

**NET0146I LINK linkname SUSPENDED**

**Explanation** This message confirms the successful completion of a SUSPEND operator command.

**User Action:** This message is for information only.

**NET0147I LINK linkname IS NOT ACTIVE**

**Explanation** A SUSPEND operator command was issued for a link whose status is not "Active". Only active links can be suspended.

**User Action:** This message is for information only.

**NET0148I LINK linkname IS NOT SUSPENDED**

**Explanation** A RESUME operator command was issued for a link that was not previously SUSPENDED.

**User Action:** This message is for information only.

**NET0149I LINK linkname RESUMED**

**Explanation** This message confirms the successful completion of a RESUME operator command.

**User Action:** This message is for information only.

**NET0150I 'NODE DOWN' MESSAGE SENT**

**Explanation** This is the response to the Entire Net-Work operator command FORCE node.

**User Action:** This message is for information only.

**NET0151 INVALID NET-WORK MESSAGE ON LINK xxxxxxxx (REASON=nn)**

**Explanation** A message was received on link "xxxxxxx" that violates the internal Entire Net-Work message protocol. The reason code indicates the type of error detected, as follows:

1	Invalid message header
2	Invalid control message
3	Invalid probe message
4	Invalid probe reply
5	Message length exceeds 16 megabytes
6	Invalid distribution list pointer
7	Invalid node name reported in message
8	Target number zero reported in message
9	Target list exceeds message length
10	Node list exceeds message length
11	Invalid extra buffers in control message
12	Buffer space exhausted
13	Message header invalid or not specified

**System Action:** A hexadecimal dump of the message is written to DDPRINT, and link "xxxxxxx" is disconnected.

**User Action:** Retain all related information and contact your Software AG technical support representative.

**NET0153I PARMs: link parameters**

**Explanation** This message is issued in response to operator command `DEFINE LINK`. It lists the parameters initially in effect for the new link.

**User Action:** This message is for information only.

**NET0154 LINK xxxxxxxx USER EXIT DETECTED ON PARTNER SYSTEM**

**Explanation** A message was received on link "xxxxxxx" that was manipulated by a user exit on the sending Entire Net-Work node. A corresponding user exit was not defined on this Entire Net-Work node.

**System Action:** The link is disconnected.

**User Action:** Ensure that the adjacent Entire Net-Work nodes both have a user exit defined, or delete the user exit on the other side.

**NET0240E UNKNOWN NETPRNT REQUEST**

**Explanation** An invalid NETPRNT request was detected. The only requests currently supported are OPEN, CLOSE, and WRITE.

**User Action:** This message indicates a logic problem in Entire Net-Work and should be reported to your Software AG technical support representative.

**Module:** NETDUMP

**NET0241I NETPRNT FILE CLOSED**

**Explanation** The NETPRNT file was closed. All print output is sent to DDPRINT until this file is reopened. While the file is closed it remains allocated, but it can be copied and reopened.

**User Action:** No action is required. This message is for information only.

**Module:** NETDUMP

**NET0242I NETPRNT FILE OPENED**

**Explanation** The NETPRNT file was opened. All print output is sent to the file allocated to the NETPRNT DD statement. If the file was allocated SHR or OLD, it contains no existing print records. If the file was allocated MOD, the new records are placed after the existing records.

**User Action:** No action is required. This message is for information only.

**Module:** NETDUMP

**NET0243E NETPRNT FILE OPEN FAILED - USING DD PRINT**

**Explanation** The NETPRNT file failed to open. This may be caused by a missing NETPRNT DD statement or some other allocation error. All output is sent to the DDPRINT file until the NETPRNT file can be successfully opened.

**User Action:** Check the JOBLOG and SYSLOG for operating system messages that indicate the cause of the allocation failure.

**Module:** NETDUMP

**NET0244E WRITE FAILED TO NETPRNT FILE**

**Explanation** A WRITE to the NETPRNT file failed. The cause may be an out-of-space condition such as ABENDSD37 or other I/O error or short-on-storage condition (e.g., IOR failed to get the storage it needed). The NETPRNT file is closed and all output is sent to the DDPRINT file. It may be possible to reopen the NETPRNT file if it was allocated SHR. The dataset should be copied before reopening because all records will be deleted.

**User Action:** Check the JOBLOG and SYSLOG for operating system messages that indicate the cause of the I/O error.

**Module:** NETDUMP

**NET0245E WRITE FAILED TO NETPRNT FILE**

**Explanation** A CLOSE of the NETPRNT file failed. This is an internal logic error or I/O error. The NETPRNT file will be unusable until Entire Net-Work is brought down.

**User Action:** Check the JOBLOG and SYSLOG for operating system messages that indicate the cause of an I/O error. If no I/O error can be found, report this to your Software AG technical support representative.

**Module:** NETDUMP

**NET0306 DISCONNECTING LINK xxxxxxxx DUE TO NETWORK CONFLICT**

**Explanation** An Entire Net-Work conflict was detected in a control message received on link xxxxxxxx. The nature of the conflict is reported in preceding messages NET0108, NET0109, or NET0308.

**System Action:** The link is disconnected.

**User Action:** Follow the user action recommended in the description of the preceding message, i.e., NET0108, NET0109, or NET0308.

**NET0308      NODEID ON xxxxxxxx IN CONFLICT WITH TARGET tttt**

**Explanation** An Entire Net-Work control message reported a node "xxxxxxx" whose target ID is already active elsewhere in the network. This presents a network conflict, as target IDs must be unique throughout the network. Message NET0106 or NET0306 is issued after all detected conflicts have been listed.

**System Action:** The link is disconnected.

**User Action:** Remove the conflict from the network by either terminating target "tttt", or assigning a new unique target ID to node xxxxxxxx.

**NET0322      NODE dddddd.aaaaaaa (bbbb) DIST nnnnnn (lll) VIA cccccc**

**Explanation** This message replaces the corresponding form of NET0122 when a node is listed that has a nonblank domain name. Also see the DOMAIN parameter on the NODE statement.

dddddd	is the domain name from the NODE parameter statement.
aaaaaaa	is the node name from the NODE parameter statement.
bbbb	is the node ID (target ID of the communicator).
nnnnnn	is the distance to the node (computed by adding all link weights along the path to the node; see the WEIGHT parameter in the LINK statement).
lll	is the number of links between this Entire Net-Work node and node 'dddddd.aaaaaaa'.
ccccc	is the name of the first link on the path.

**User Action:** This message is for information only.

**NET0328      MESSAGE BUFFER SHORTAGE. SENDING DEFERRED**

**Explanation** A message is to be sent on a link that has a user exit defined. There is not enough buffer space to provide a work area to the user exit.

**System Action:** The message is not sent at this time. An attempt is made to free enough working storage. Then an attempt is made again to send the message.

**User Action:** Increase the size of the short term buffer pool to prevent future occurrences of this problem.

**NET0333      operator command - short description**

**Explanation** Multiple messages NET0333 are issued in response to the HELP command. The available operator commands are listed with a short explanation of their function.

**User Action:** This message is for information only.

**NET0998** ENTIRE NET-WORK NODE aaaaaaa ABNORMAL END

**Explanation** This console message indicates that abnormal termination procedures have been started.

**User Action:** This message is for information only.

**NET0999** ENTIRE NET-WORK NODE aaaaaaa TERMINATING

**Explanation** This console message indicates that normal termination procedures have been started.

**User Action:** This message is for information only.

**NET1000** ENTIRE NET-WORK NODE aaaaaaa ACTIVE

**Explanation** This console message indicates that the Entire Net-Work session successfully completed initialization and is now ready for processing.

**User Action:** This message is for information only.

**NET1001** CURRENT DATE IS yyyy-mm-dd

**Explanation** This message is displayed on the operator console and on the Entire Net-Work log dataset at the beginning and end of a session as well as just after midnight. It helps to identify the exact time and date of any events recorded in the log.

**User Action:** This message is for information only.

**NET1002I** NET-WORK NODE xxxxxxx ACTIVE SINCE yyyy-mm-dd hh:mm:ss

**Explanation** This message is issued in response to the operator command `DISPLAY STATS`. It shows the startup date and time of the local node `xxxxxxx`.

**User Action:** This message is for information only.

# 3 Expandable Buffer Pool Messages

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**NETB001I STATISTICS FOR BUFFER POOL nnnn LOC = IIII**

**Explanation** One of a group of messages generated in response to the DISPLAY STATS operator command or the end of an Entire Net-Work session. It provides the name of the buffer pool (nnnn) and the storage location (IIII).

**User Action:** No action is required. This message is informational only.

**NETB004E LOAD FAILED FOR MODULE xxxxxxxx**

**Explanation** During buffer pool initialization, module "xxxxxxx" could not be loaded and the buffer pool initialization was terminated.

**User Action:** Contact your Software AG technical support representative.

**NETB008I REQ = (nnnnnnnn, xxxxxxxx, yyyyyyyy, zzzzzzzz)**

**Explanation** One of a group of messages generated in response to the DISPLAY STATS operator command or at the end of an Entire Net-Work session. It provides information about the GET and FREE requests processed for a subpool within the buffer pool identified by the preceding NETB001I message.

nnnnnnnn	is the number of successful GET requests
xxxxxxx	is the number of failed GET requests
yyyyyyy	is the number of successful FREE requests
zzzzzzz	is the number of failed FREE requests

**User Action:** No action is required. This message is informational only.

**NETB009I HIGH ALLC = hhhhhhhh CURR ALLC = ccccccc CURR AVAIL = aaaaaaaa K**

**Explanation** One of a group of messages generated in response to the DISPLAY STATS operator command or the end of an Entire Net-Work session. It provides information about storage for the buffer pool identified in the preceding NETB001 message.

hhhhhhhh	is the highest storage allocation
ccccccc	is the current storage allocation
aaaaaaa	is the current storage available

**User Action:** No action is required. This message is informational only.

**NETB010 ELM = (bbbbbbbb, hhhhhhhh, ccccccc, llllllll), SZ = sssssss**

**Explanation** One of a group of messages generated in response to the DISPLAY STATS operator command or the end of an Entire Net-Work session. It describes an element for a specific subpool where

bbbbbbbb	is the base number of elements
hhhhhhhh	is the highest number of elements
ccccccc	is the current number of elements
llllllll	is the lowest number of elements
sssssss	is the element size in bytes

**User Action:** No action is required. This message is informational only.

**NETB011I STR = (bbbbbbbb, hhhhhhhh, ccccccc, llllllll) K**

**Explanation** One of a group of messages generated in response to the DISPLAY STATS operator command or the end of an Entire Net-Work session. It describes the storage environment of a specific subpool where

bbbbbbbb	is the base storage allocation
hhhhhhhh	is the highest storage allocation
ccccccc	is the current available storage allocation
llllllll	is the lowest storage allocation

**User Action:** No action is required. This message is informational only.

**NETB012I EXP = (nnnnnnnn, xxxxxxxx, yyyyyyyy, zzzzzzzz)**

**Explanation** One of a group of messages generated in response to the `DISPLAY STATS` operator command or the end of an Entire Net-Work session. It describes the expansion within a subpool where

nnnnnnnn	is the number of times this subpool has expanded
xxxxxxx	is the maximum number of times this subpool is allowed to expand
yyyyyyy	is the current total number of expansions
zzzzzzz	is the highest number of expansions at any time

**User Action:** No action is required. This message is informational only.

**NETB013I COMBINED BUFFER POOLS SIZE nnnnnnnn K**

**Explanation** One of a group of messages generated in response to the `DISPLAY STATS` operator command or the end of an Entire Net-Work session. It describes the total size of the buffer pool, i.e., *nnnnnnnn* is the combined size of all subpools in all buffer pools belonging to Entire Net-Work.

**User Action:** No action is required. This message is informational only.

**NETB014I BUFFER POOL STARTING INTERNAL TRACING**

**Explanation** The buffer pool manager detected an invalid request and the error trace table was initialized.

**System Action:** Beginning with this error, errors are traced in the error trace table until the error trace table is full (see message NETB015I).

**User Action:** No action is required. This message is informational only.

**NETB015I BUFFER POOL ERROR TRACING TABLE IS FULL**

**Explanation** The error trace table is full.

**System Action:** Stops tracing errors in the error trace table.

**User Action:** Issue the operator command `SNAP` to output the trace table information. The `SNAP` command will then automatically clear the contents of the error trace table so that error tracing can continue. Save the `DDPRINT` and contact your Software AG technical support representative.



# 4 NETSIP/NETSIR Initialization Program Messages

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Only the NETSIP/NETSIR messages relevant to the valid operating systems are presented in this section.

**NETS500**      **ENTIRE NET-WORK 5 INSTALLATION PROGRAM NETSIP (yyyy-mm-dd, SM=sm, ZAP=zap) OPERATING SYSTEM => opsys**

**Explanation**      NETSIP has started. The system maintenance and ZAP levels are displayed and the given operating system environment (OS/390 or z/OS).

**System Action:** NETSIP continues execution.

**User Action:**      This message is for information only.

**NETS501**      **ERROR(S) DETECTED IN EXTRACT PROCESSING: I=> parm-string**

**Explanation**      The parameter extraction process encountered a string that could not be parsed.

**System Action:** The parameter string in error is displayed with the error string underscored. NETSIP terminates abnormally with a dump.

**User Action:**      Correct the parameter string and rerun the job.

**NETS502**      **ERROR(S) DETECTED IN VALIDATE PROCESSING:**

**Explanation**      The parameter validation process encountered an invalid parameter value.

**System Action:** This message is followed by one of the messages NETS503 through NETS514 which supplies further information. NETSIP terminates abnormally with a dump.

**User Action:**      Correct the parameter value and rerun the job.

**NETS503      KEYWORD=CONSID, VALUE=consid**

**Explanation**    The value "consid" is invalid for the CONSID parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the CONSID parameter value and rerun the job.

**NETS504      KEYWORD=CSTORAGE, VALUE=cstorage**

**Explanation**    The value "cstorage" is invalid for the CSTORAGE parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the CSTORAGE parameter value and rerun the job.

**NETS505      KEYWORD=CSUBSYS, VALUE=csubsys**

**Explanation**    The value "csubsys" is invalid for the CSUBSYS parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the CSUBSYS parameter value and rerun the job.

**NETS507      KEYWORD=LEAVE, VALUE=leave**

**Explanation**    The value "leave" is invalid for the LEAVE parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the LEAVE parameter value and rerun the job.

**NETS508      KEYWORD=NSUBSYS, VALUE=nsubsys**

**Explanation**    The value "nsubsys" is invalid for the NSUBSYS parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the NSUBSYS parameter value and rerun the job.

**NETS509      KEYWORD=PSTORAGE, VALUE=pstorage**

**Explanation**    The value "pstorage" is invalid for the PSTORAGE parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the PSTORAGE parameter value and rerun the job.

**NETS510**      **KEYWORD=QSIZE, VALUE=qsize**

**Explanation**    The value "qsize" is invalid for the QSIZE parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the QSIZE parameter value and rerun the job.

**NETS511**      **KEYWORD=REPLACE, VALUE=replace**

**Explanation**    The value "replace" is invalid for the RESTORE parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the RESTORE parameter value and rerun the job.

**NETS512**      **KEYWORD=SNAP, VALUE=snap**

**Explanation**    The value "snap" is invalid for the SNAP parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the SNAP parameter value and rerun the job.

**NETS513**      **KEYWORD=SVCNR, VALUE=svcnr**

**Explanation**    The value "svcnr" is invalid for the SVCNR parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the SVCNR parameter value and rerun the job.

**NETS514**      **KEYWORD=SVCTAB, VALUE=svctab**

**Explanation**    The value "svctab" is invalid for the SVCTAB parameter.

**System Action:** This message is preceded by the message NETS502. NETSIP terminates abnormally with a dump.

**User Action:**    Correct the SVCTAB parameter value and rerun the job.

**NETS515**      **INVALID OPERATING SYSTEM DETECTED - NOT MVS**

**Explanation**    An attempt was made to execute the OS/390 or z/OS version of NETSIP in a different (non OS/390 or z/OS) environment.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:**    Execute the version of NETSIP that matches your system or upgrade your system to a supported level.

**NETS516 EXECUTE PARAMETER LENGTH GREATER THAN MAXIMUM (68)**

**Explanation** A parameter value longer than 68 bytes was encountered.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Correct the NETSIP parameters.

**NETS517 CATASTROPHIC CONDITION OCCURRED IN EXTRACT PROCESSING**

**Explanation** An unexpected delimiter value was encountered during parameter parsing.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Correct the NETSIP parameters.

**NETS518 TERMINAL ERROR(S) DETECTED IN PARAMETER PROCESSING**

**Explanation** A parameter error was encountered.

**System Action:** This message is preceded by messages that explain the error in detail.

**User Action:** Correct the NETSIP parameters.

**NETS519 PROGRAM ADDRESSING MODE INCORRECT (NOT AMODE=31)**

**Explanation** One or more of the programs NETSIR, NETFLIH, or NETSVC was linked to run with addressing mode 24.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Check the addressing mode of the programs and relink with AMODE 31.

**NETS520 PROGRAM RESIDENCY MODE INCORRECT (NOT RMODE=24)**

**Explanation** One or more of the programs NETSIR, NETFLIH, or NETSVC was linked to run with residency mode ANY.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Check the residency mode of the programs and relink with RMODE 24.

**NETS521 PROGRAM NOT APF-AUTHORIZED**

**Explanation** NETSIP was not loaded from an APF-authorized library; an unauthorized library was contained in the STEPLIB concatenation; or NETSIP was not linked with SETCODE AC(1).

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Check the APF status of the load library and if necessary relink NETSIP SETCADE AC(1).

**NETS522 OPERATING SYSTEM IS NOT A VIRTUAL MACHINE GUEST**

**Explanation** The operating system NETSIP is executing on is not running under VM.

**System Action:** NETSIP terminates abnormally with a dump.

**User Action:** Chose another access method suited to physical environments such as VTAM or channel-to-channel.

**NETS523 LOAD FAILURE FOR PROGRAM - *pgmname***

**Explanation** The program *pgmname* could not be loaded.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:** Check the library definition for the program in the execution JCL.

**NETS524 ACRONYM CHECK FAILURE FOR PROGRAM - *pgmname***

**Explanation** NETSIP encountered an incorrect version the program *pgmname*.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:** Verify that the correct version of this program is in the load library.

**NETS525 RECOVERY ENVIRONMENT CREATION FAILURE (ESTAE)**

**Explanation** NETSIP was unable to establish an error recovery routine.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:** Contact your Software AG technical support representative.

**NETS526 CPIT SUBSYSTEM FOR CROSS PRODUCT INTERFACE TABLE ALREADY INSTALLED**

**Explanation** The cross-product interface table SSCVT is already installed.

**System Action:** NETSIP continues processing if the REPLACE parameter was specified, otherwise NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:** If the REPLACE parameter is specified, this message is for information only. If REPLACE is not specified, verify that NETSIP is to be rerun and specify the REPLACE parameter.

**NETS527 CPIT SUBSYSTEM FOR CROSS PRODUCT INTERFACE INSTALLED**

**Explanation** The cross-product interface table SSCVT has been successfully installed.

**System Action:** NETSIP continues processing.

**User Action:** This message is for information only.

**NETS528        subs SUBSYSTEM INITIALIZATION FAILURE**

**Explanation**    The subsystem *subs* could not be added to the SSCVT chain.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:**    Contact your Software AG technical support representative.

**NETS529        subs SUBSYSTEM HAS BEEN REMOVED**

**Explanation**    The subsystem *subs* was removed from the SSCVT chain during error recovery.

**System Action:** NETSIP continues with error recovery.

**User Action:**    Correct the problem that caused the original error.

**NETS530        SVCTABLE UPDATE FAILURE - SVC NUMBER nnn**

**Explanation**    NETSIP could not modify the system SVCTABLE to suit the Entire Net-Work SVC.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:**    Contact your Software AG technical support representative.

**NETS531        OPEN/BLDL FAILURE - DDNAME=libname**

**Explanation**    NETSIP could not open or build a directory for the library *libname*.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:**    Check the DDNAME in the JCL.

**NETS532        GETMAIN FAILURE - S=sbp, L=length(D)**

**Explanation**    NETSIP could not allocate required storage in the specified "length" in the subpool *sbp*.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:**    Verify that the subpool has sufficient storage and that the REGION parameter is set high enough.

**NETS533        FREEMAIN FAILURE - S=sbp, L=length(D), A=address(H)**

**Explanation**    NETSIP could not free allocated storage at location "address" in the specified "length" in the subpool *sbp*.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:**    Contact your Software AG technical support representative.

**NETS534 ENTIRE NET-WORK 5 SUBSYSTEM HAS BEEN INSTALLED**

**Explanation** The Entire Net-Work SSCVT has been successfully installed.

**System Action:** NETSIP continues processing.

**User Action:** This message is for information only.

**NETS535 ENTIRE NET-WORK 5 SUBSYSTEM IS ALREADY INSTALLED**

**Explanation** An Entire Net-Work SSCVT was encountered and the `REPLACE` parameter was not specified.

**System Action:** NETSIP backs out any modifications to the system and terminates with a dump.

**User Action:** Check whether the Entire Net-Work environment has been successfully installed and specify the `REPLACE` parameter if not.

**NETS536 ENTIRE NET-WORK 5 SUBSYSTEM HAS BEEN REMOVED**

**Explanation** An Entire Net-Work SSCVT was removed from the SSCVT chain during error recovery.

**System Action:** NETSIP continues with error recovery.

**User Action:** Correct the problem that caused the original error.

**NETS537 ENTIRE NET-WORK 5 SVC `svc` HAS BEEN INSTALLED**

**Explanation** The Entire Net-Work SVC has been successfully installed as SVC number `svc`.

**System Action:** NETSIP continues processing.

**User Action:** This message is for information only.

**NETS538 ENTIRE NET-WORK 5 SVC HAS BEEN REMOVED FROM THE SYSTEM**

**Explanation** An Entire Net-Work SVC was removed from the system `SVCTABLE` during error recovery.

**System Action:** NETSIP continues with error recovery.

**User Action:** Correct the problem that caused the original error.

**NETS539 ENTIRE NET-WORK 5 SVC COULD NOT BE REMOVED FROM THE SYSTEM**

**Explanation** An Entire Net-Work SVC could not be removed from the system `SVCTABLE` during error recovery.

**System Action:** NETSIP continues with error recovery.

**User Action:** Correct the problem that caused the original error and specify the `REPLACE` parameter.

**NETS598      NETSIP - NETSIR INITIALIZATION FAILED**

**Explanation**    NETSIP encountered errors during execution.

**System Action:** NETSIP terminates abnormally with a dump. Other error messages precede this message.

**User Action:**    Refer to the error message and correct the error.

**NETS599      NETSIP - NORMAL TERMINATION**

**Explanation**    The Entire Net-Work environment initialized successfully.

**System Action:** NETSIP terminates normally.

**User Action:**    This message is for information only.

**NETS600      NETSIR (yyyy-mm-dd, SM=sm, ZAP=zap)**

**Explanation**    NETSIR started executing. The system maintenance and ZAP levels are displayed.

**System Action:** NETSIP continues execution.

**User Action:**    This message is for information only.

**NETS601      NETW ENTIRE NET-WORK 5 INITIALIZATION PARAMETER NOT RECOGNIZED**

**Explanation**    The parameter parsing process has encountered an invalid parameter name.

**System Action:** NETSIR terminates abnormally.

**User Action:**    Correct the parameter value and rerun the job.

**NETS602      NETW ENTIRE NET-WORK 5 INITIALIZATION PARAMETER(S) ERROR**

**Explanation**    The parameter validation process has encountered an invalid parameter value.

**System Action:** NETSIR terminates abnormally.

**User Action:**    Correct the parameter value and rerun the job.

**NETS603      NETW ENTER ENTIRE NET-WORK COMMON AREA SUBPOOL ('C'=CSA OR  
'S'=SQA) ----- OR 'A' TO ABORT ENTIRE NET-WORK 5 INITIALIZATION**

**Explanation**    The value specified for the C STORAGE parameter is invalid.

**System Action:** NETSIR prompts the operator to enter a correct value.

**User Action:**    Enter the correct value for the parameter or 'A' to terminate NETSIR processing.

**NETS604      NETW LEAVE MESSAGE NETS650 OR NETS631 THRU NETS649 (N OR Y)**

**Explanation**    The value specified for the `LEAVE` parameter is invalid.

**System Action:** NETSIR prompts the operator to enter a correct value.

**User Action:**    Enter the correct value.

**NETS605      NETW ENTER ENTIRE NET-WORK 5 INTERRUPT QUEUE SIZE (0-9999) OR 'A' TO  
ABORT ENTIRE NET-WORK 5 INITIALIZATION**

**Explanation**    The value specified for the `QSIZE` parameter is invalid.

**System Action:** NETSIR prompts the operator to enter a correct value.

**User Action:**    Enter the correct value for the parameter or 'A' to terminate NETSIR processing.

**NETS606      NETW ENTER ENTIRE NET-WORK 5 SVC NUMBER (200-255) OR 'A' TO ABORT  
ENTIRE NET-WORK 5 INITIALIZATION**

**Explanation**    The value specified for the `SVCNR` parameter is invalid.

**System Action:** NETSIR prompts the operator to enter a correct value.

**User Action:**    Enter the correct value for the parameter or 'A' to terminate NETSIR processing.

**NETS607      NETW PROMPT OPERATOR TO UPDATE SVC TABLE ENTRY (N OR P)**

**Explanation**    The value specified for the `SVCTAB` parameter is invalid.

**System Action:** NETSIR prompts the operator to enter a correct value.

**User Action:**    Enter the correct value.

**NETS607      NETW ENTIRE NET-WORK 5 SVC svc TABLE ENTRY AT svctaddr INVALID: IS  
value1 value2 SHOULD BE value3 value4**

**Explanation**    The value 'P' was specified for the `SVCTAB` parameter and the entry for SVC "svc" located at address "svctaddr" contained the values "value1" and "value2". The values "value3" and "value4" are required.

**System Action:** This message is followed by message NETS608.

**User Action:**    This message is for information only.

**NETS608      NETW SHOULD SVC TABLE ENTRY BE CHANGED ('Y') OR SHOULD ENTIRE  
NET-WORK 5 INITIALIZATION BE ABORTED ('N')?**

**Explanation**    The value 'P' was specified for the `SVCTAB` parameter and an invalid SVCTABLE entry was encountered.

**System Action:** NETSIR prompts the operator to enter a correct value. This message is preceded by message NETS607.

**User Action:**    Enter the correct value.

**NETS609      NETW SVC svc TABLE ENTRY CHANGED WITHOUT PROMPTING OPERATOR**

**Explanation**    The value 'N' was specified for the SVCTAB parameter and an invalid SVCTABLE entry was encountered.

**System Action:** NETSIR modifies the SVCTABLE and continues processing.

**User Action:**    This message is for information only.

**NETS611      NETW UNABLE TO ACQUIRE COMMON STORAGE VIA GETMAIN**

**Explanation**    The program NETSIR was unable to acquire common storage in the page-fixed CSA or SQA for the necessary control blocks.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Specify the other page-fixed storage area or increase the size of the fixed CSA or SQA and IPL the operating system.

**NETS613      NETW UNABLE TO ACQUIRE INTQ STORAGE VIA GETMAIN**

**Explanation**    The program NETSIR was unable to acquire storage in the page-fixed CSA or SQA for either the Entire Net-Work interrupt queue or the path table.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Specify the other page-fixed storage area or increase the size of the fixed CSA or SQA and IPL the operating system.

**NETS614      NETW ESTAE EXIT HAS BEEN ENTERED IN NETSIR**

**Explanation**    The NETSIR ABEND handler was entered while running this utility.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally. If the SIRDUMP file is available, a dump of the SDWA will be printed.

**User Action:**    Contact your Software AG technical support representative.

**NETS618      NETW NO FREE SLOTS IN CPIT**

**Explanation**    The cross-product interface table is full.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Contact your Software AG technical support representative.

**NETS619      NETW CROSS PRODUCT SUBSYSTEM NOT DEFINED**

**Explanation**    NETSIR detected that the subsystem for the cross-product interface table is not in the SSCVT chain.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Execute NETSIP to define the CPIT subsystem or define the CPIT subsystem before the NETW subsystem.

- NETS620      NETW CPIT LENGTH NOT SET IN SSCVT**  
**Explanation**    NETSIR detected that the cross-product interface table was initialized but the length was not available in the SSCVT entry.  
**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.  
**User Action:**    Contact your Software AG technical support representative.
- NETS621      NETW CPIT INCORRECTLY INITIALIZED**  
**Explanation**    NETSIR detected that the cross-product interface table is defined but the SSCVT entry is invalid.  
**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.  
**User Action:**    Contact your Software AG technical support representative.
- NETS622      NETW OPERATING SYSTEM NOT OS/390 OR Z/OS**  
**Explanation**    An attempt was made to execute the OS/390 or z/OS version of NETSIR in an environment other than OS/390 or z/OS.  
**System Action:** NETSIR terminates abnormally.  
**User Action:**    Execute the version of NETSIR that matches your system or upgrade your system to a supported level of the operating system.
- NETS623      NETW NO DD STATEMENT FOR SIRDUMP FOUND**  
**Explanation**    The SNAP parameter was specified but no DD statement for the file SIRDUMP was found.  
**System Action:** NETSIR terminates abnormally.  
**User Action:**    Supply a DD statement for SIRDUMP in the JCL.
- NETS624      NETW NETSIR PRB CANNOT FOUND**  
**Explanation**    The residency mode for NETSIR could not be determined because no program request block for NETSIR could be located.  
**System Action:** NETSIR terminates abnormally.  
**User Action:**    Contact your Software AG technical support representative.
- NETS625      NETW NETSIR RMODE NOT 24**  
**Explanation**    NETSIR was linked to run with residency mode ANY.  
**System Action:** NETSIR terminates abnormally.  
**User Action:**    Check the residency mode of NETSIR and relink with RMODE 24.

**NETS626      NETW NETSIR TERMINATED DUE TO OPERATOR REQUEST**

**Explanation**    The operator requested NETSIR to abort when prompted to enter parameter input.

**System Action:** NETSIR terminates abnormally.

**User Action:**    Check the reason for the operator input.

**NETS627      NETW ACRONYM CHECK FAILURE FOR PROGRAM - NETSVC**

**Explanation**    NETSIR encountered an incorrect version NETSVC.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Verify that the correct version of NETSVC is in load library

**NETS628      NETW SVCUPDTE MACRO FAILURE**

**Explanation**    NETSIR could not modify the system SVCTABLE to suit the Entire Net-Work SVC.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Contact your Software AG technical support representative.

**NETS629      NETW MVS NOT RUNNING UNDER VM**

**Explanation**    The OS/390 or z/OS system NETSIR is not running under VM.

**System Action:** NETSIR terminates abnormally.

**User Action:**    Choose an appropriate access method.

**NETS642      NETW SNAP PROCESSING COMPLETED**

**Explanation**    The SNAP parameter was specified. The Entire Net-Work data areas have been put out to the SIRDUMP file.

**System Action:** NETSIR continues processing.

**User Action:**    This message is for information only.

**NETS643      NETW THE EXTERNAL INTERRUPT ROUTINE WAS LINKED WITH RMODE=ANY**

**Explanation**    NETFLIH was linked to run with residency mode ANY.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Check the residency mode of NETFLIH and relink with RMODE 24.

**NETS644**      **NETW THE EXTERNAL INTERRUPT ROUTINE WAS LOADED INTO PROTECTED STORAGE**

**Explanation**    The fixed LPA was page-protected.

**System Action:** NETSIR backs out any modifications to the system and terminates abnormally.

**User Action:**    Specify the NOPROT option in the fix list in IAESYSxx and IPL the operating system.

**NETS650**      **NETW ENTIRE NET-WORK COMMON AREA FOR VC xxx INITIALIZED**

**Explanation**    The Entire Net-Work environment initialized successfully.

**System Action:** NETSIR terminates normally.

**User Action:**    This message is for information only.



# 5

## Batch Utility Program Messages

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### **NETU001E -- OPEN ERROR FOR xxxxxxx**

**Explanation** An error occurred while trying to open file "xxxxxxx" (DDCARD, NETFILE, or DDPRINT) and the file could not be opened. This error causes the utility program to terminate with a return code of 8.

**User Action:** Look at the job log or system log for additional system messages that indicate why the file could not be opened.

**Module:** NETPFIL1, NETPFIL2

### **NETU002E -- READ ERROR FOR xxxxxxx**

**Explanation** An error occurred while trying to read from file "xxxxxxx" (DDCARD or NETFILE). This error causes the utility program to terminate with a return code of 8.

**User Action:** Look at the job log or system log for additional system messages that indicate the cause of the I/O error.

**Module:** NETPFIL1, NETPFIL2

### **NETU003E -- WRITE ERROR FOR DDPRINT**

**Explanation** An error occurred while trying to write to the DDPRINT file. This error causes the utility program to terminate with a return code of 8.

**User Action:** Look at the job log or system log for additional system messages that indicate the cause of the I/O error.

**Module:** NETPFIL1, NETPFIL2

**NETU004E -- CLOSE ERROR FOR xxxxxxx**

**Explanation** An error occurred while trying to close file "xxxxxxx" (DDCARD, NETFILE or DDPRINT). This error causes the utility program to terminate with a return code of 8. The files are not closed until the end of the program, so the output file may or may not contain the desired data.

**User Action:** Look at the job log or system log for additional system messages that indicate the cause of the I/O error.

**Module:** NETPFIL1, NETPFIL2

**NETU005E -- INVALID FIND PARM SPECIFIED**

**Explanation** A FIND parameter was specified with an invalid syntax. This probably means that the OFFSET or VALUE keywords were not specified or were specified out of order.

**User Action:** Correct the FIND parameter using the following syntax:

```
FIND=logging title,OFFSET=nnn,VALUE=characters  
FIND=logging title,OFFSET=nnn,VALUE=X'hex values'
```

**Module:** NETPFIL2

**NETU006E -- INVALID OFFSET SPECIFIED ON FIND**

**Explanation** The OFFSET specified on a FIND parameter did not contain a valid hexadecimal displacement. The displacement value must be a valid hexadecimal number containing only 0-F.

**User Action:** Correct the FIND parameter OFFSET=xxx to a valid hexadecimal displacement.

**Module:** NETPFIL2

## 6 XCF Line Driver Messages

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**NETX001I**      **function-name FUNCTION => RC = return-code, RS = reason-code**

**Explanation**    The specified XCF function completed with the specified return code and reason code.

**System Action:** Normal processing continues.

**User Action:**    This message is for information only.

**NETX006I**      **MEMBER member-name HAS JOINED THE group-name GROUP**

**Explanation**    The group exit detected that the specified member joined the specified group.

**System Action:** Communication with the member starts.

**User Action:**    This message is for information only.

**NETX007I**      **MEMBER member-name HAS LEFT THE group-name GROUP**

**Explanation**    The group exit detected that the specified member left the specified group.

**System Action:** Communication with the member ends.

**User Action:**    This message is for information only.

**NETX008I**      **COMMUNICATION WITH UNDEFINED MEMBER member-name DISALLOWED**

**Explanation**    The specified member joined this node's group, but the member was not defined and ACCEPTUI=N was specified (by default) on the DRIVER statement.

**System Action:** Communication with this partner is not allowed.

**User Action:**    Define the member and/or change the ACCEPTUI parameter setting.

**NETX026E LINK COULD NOT BE LOCATED FOR OPERATOR COMMAND**

**Explanation** An operator command specified an unknown link name.

**System Action:** Normal processing continues.

**User Action:** Reissue the operator command with a valid link name.

**NETX027I OPERATOR COMMAND COMPLETED: operator-command**

**Explanation** The specified operator command completed successfully.

**System Action:** Normal processing continues.

**User Action:** This message is for information only.

**NETX028I OPERATOR COMMAND REJECTED: operator-command**

**Explanation** The specified operator command was rejected either because

- the link name specified was not found;
- the command is not valid;
- the required operands were not entered (ALTER command);  
or
- the driver is not in the proper state.

**System Action:** Normal processing continues.

**User Action:** Correct the operator command and reissue the command.

**NETX029I NETXCF AVAILABLE OPERATOR COMMANDS**

**Explanation** The first of a series of messages generated in response to the HELP operator command.

**System Action:** All valid operator commands are listed on the console.

**User Action:** This message is for information only.

**NETX030E KEYWORD/VALUE ERROR => erroneous-keyword/value**

**Explanation** An ALTER operator command was entered with an invalid keyword or an invalid value. Some DRIVER statement and LINK statement parameters can be altered only when the driver or link is closed.

**System Action:** All parameters following the invalid keyword or value are ignored.

**User Action:** Either correct the keyword or value, or close the driver or link. Then reissue the command.

- NETX031I** +-----+
- Explanation** The first of a series of messages generated in response to the SHOW or STATS operator commands.
- System Action:** This message is written to the console and DDPRINT.
- User Action:** This message is for information only.
- 
- NETX032I** + llllllll STATE(state) MSGS SENT(num-sent) RCVD(num-recv) +
- Explanation** One of a series of messages generated in response to the SHOW or STATS operator commands. It shows the driver or link name (llllllll), its state, and the number of messages sent/received.
- System Action:** This message is written to the console and DDPRINT.
- User Action:** This message is for information only.
- 
- NETX033I** + BYTES SENT( xxxxxxx.xxxu) BYTES RCVD( xxxxxxx.xxxu) +
- Explanation** One of a series of messages generated in response to the SHOW or STATS operator commands. It shows the total number of bytes sent/received.
- System Action:** This message is written to the console and DDPRINT.
- User Action:** This message is for information only.
- 
- NETX040I** NETWORK XCF CLOSE COMPLETE, GROUP=group-name, MEMBER=member-name
- Explanation** The XCF line driver closed successfully.
- System Action:** Normal processing continues.
- User Action:** This message is for information only.
- 
- NETX100I** DRIVBLK @address NWXCFDRV @ address
- Explanation** The XCF driver has initialized successfully. The message provides the address of the XCF driver block and the address of the driver itself.
- User Action:** None
- Module** NWXCFDRV
- Routine:** DINIT
- 
- NETX104E** FAILED TO GET BUFFER FOR LINKBLK
- Explanation** An attempt to get a buffer for a LINKBLK from the buffer pool failed. This message indicates a "short on storage" problem.
- User Action:** Look for other messages that might indicate the cause of the storage shortage.
- Module:** NWXCFDRV
- Routine:** GEXIT

**NETX108W UNKNOWN MEMBER member-name with ACCEPTUI=N**

**Explanation** The identified member has joined the XCF group used for this Entire Net-Work node. The member does not have a LINK statement defined, and unsolicited connections are not allowed.

**User Action:** Add an XCF LINK statement to your parameters for the member or set ACCEPTUI=Y.

**Module:** NWXCFCDRV

**Routine:** GEXIT

**NETX113E IXCCALL FAILED RC=return-code RS=reason-code**

**Explanation** An XCF IXCJOIN or IXCQUERY call failed with the identified return code and reason code. This may be caused by invalid parameters defined to Entire Net-Work or system parameters (policy) defined for your SYSPLEX.

**User Action:** Look up the return code and reason code in the IBM messages and codes documentation to determine if this is a configuration problem and, if so, take the necessary corrective action. If this is not a configuration problem, obtain the JOBLOG and NETPRNT or DDPRNT file, then report the problem to your Software AG technical support representative.

**Module:** NWXCFCDRV

**Routine:** OPEND

**NETX114E IXCLEAVE FAILED RC=return-code RS=reason-code**

**Explanation** An XDF IXCLEAVE call failed with the identified return code and reason code.

**User Action:** Look up the return code and reason code in the IBM messages and codes documentation to determine if this is a configuration problem and, if so, take the necessary corrective action. If this is not a configuration problem, obtain the JOBLOG and NETPRNT or DDPRNT file, then report the problem to your Software AG technical support representative.

**Module:** NWXCFCDRV

**Routine:** CLOSD

**NETX115W NODE node-name IS NOT COMPATIBLE**

**Explanation** The identified node has joined the XCF group in use by this Entire Net-Work node, but the node is using an older version of the XCF driver that is not compatible with the current version. Entire Net-Work 5.8.1 has a new XCF driver that can only connect with other Entire Net-Work version 5.8.1 or above nodes. Entire Net-Work will continue to run, but no link is established with the incompatible node.

**User Action:** Specify a different GROUP value on the driver parameter for this Entire Net-Work node.

**Module:** NWXCFCDRV

**Routine:** OPEND

**NETX119W NODE node-name IS NOT COMPATIBLE**

**Explanation** The identified node, which has joined the XCF group in use by this Entire Net-Work, is using an older version of the XCF driver that is not compatible with the current version. Entire Net-Work 5.8.1 has a new XCF driver that can only connect with other Entire Net-Work 5.8.1 or above nodes. Entire Net-Work continues to run, but no link is established with the incompatible node.

**User Action:** Specify a different GROUP value on the driver parameter for this Entire Net-Work node.

**Module:** NWXCFDRV

**Routine:** GEXIT

**NETX124E IXCMMSGO FAILED RC=return-code RS=reason-code**

**Explanation** An XCF IXCMMSGO call to send data to another member failed with the identified return code and reason code.

**User Action:** Look up the return code and reason codes in the IBM messages and codes book to determine if this is a configuration problem. Obtain the JOBLOG and NETPRNT or DDPRNT file, then report this problem to your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** SENDM

**NETX125E IXCMMSGO FAILED RC=return-code RS=reason-code FOR CONNECT**

**Explanation** An XCF IXCMMSGO call to send a connection request to another member failed with the identified return code and reason code.

**User Action:** Look up the return code and reason code in the IBM messages and codes documentation to determine if this is a configuration problem and, if so, take the necessary corrective action. If this is not a configuration problem, obtain the JOBLOG and NETPRNT or DDPRNT file, then report the problem to your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** CONNL

**NETX126E IXCMMSGO FAILED RC=0000 RS=0000 FOR DISCONNECT**

**Explanation** An XCF IXCMMSGO call to send a disconnection request to another member failed with the identified return code and reason code.

**User Action:** Look up the return code and reason code in the IBM messages and codes documentation to determine if this is a configuration problem and, if so, take the necessary corrective action. If this is not a configuration problem, obtain the JOBLOG and NETPRNT or DDPRNT file, then report the problem to your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** DISCL

**NETX127W UNKNOWN NEXIT REQUEST**

**Explanation** The XCF Notify exit was called with an unknown request. Entire Net-Work ignores the request and continues to run.

**User Action:** Obtain the JOBLOG and NETPRNT or DDPRT file, then contact your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** NEXIT

**NETX130E MESSAGE OUT OF SEQUENCE**

**Explanation** A message received from an XCF member was not the sequence number expected.

**User Action:** Obtain the JOBLOG and NETPRNT or DDPRT file, then Contact your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** MEXIT

**NETX131E MESSAGE FROM UNKNOWN VERSION OF NET-WORK**

**Explanation** A message received from a member of the XCF group in use by this Entire Net-Work is from a node using an older version of the XCF driver that is not compatible with the current version. Entire Net-Work 5.8.1 has a new XCF driver that can only connect with other Entire Net-Work 5.8.1 or above nodes. Entire Net-Work ignores the message and continues to run.

**User Action:** Specify a different GROUP value on the driver parameter for this Entire Net-Work. Obtain the JOBLOG and NETPRNT or DDPRT file, then contact your Software AG technical support representative.

**Module:** NWXCFDRV

**Routine:** MEXIT

**NETX140E INVALID COMMAND SYNTAX ENTERED**

**Explanation** An operator command was entered with a syntax error.

**User Action:** Either correct the keyword or value, or close the driver or link. Then reissue the command. Refer to the section *XCF Operator Commands* for the correct the syntax.

**Module:** NWXCFDRV

**Routine:** OPCMD

**NETX141E UNKNOWN COMMAND ENTERED - command**

**Explanation** The identified command was entered and is unknown.

**User Action:** Use the HELP command or refer to the section *XCF Operator Commands* in the *Operator Commands* documentation.

**Module:** NWXCFDRV

**Routine:** OPCMD

**NETX142I XCF COMMAND EXECUTED**

**Explanation** This message informs you that the command entered was executed.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** OPCMD

**NETX150I LINK link-name SENT RECEIVED**

**Explanation** This message is displayed in response to the STATS command for the identified link. It displays a header for Sent and Received statistical information that will follow in message NETX151I.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CLKSTAT

**NETX151I ccccccccc n,nnn,nnn,nnn,nnn n,nnn,nnn,nnn,nnn**

**Explanation** This message displays statistical information for the link displayed in message NETX150I. The size of the data is followed by the number of messages sent and the number of messages received. The displayed size is SMALL for messages that are smaller than the size specified by the driver parameter SMALLMSG. The displayed size is MEDIUM for messages larger than SMALLMSG and smaller than LARGEMSG. The displayed size is LARGE for messages that are larger than the size specified by the driver parameter LARGEMSG. The total of all message sizes is displayed as TOTAL message sizes. This information may be helpful in tuning the XCF group policy parameters.

**User Action:** NWXCFDRV

**Module:** None.

**Routine:** CLKSTAT

**NETX152I LINK link-name STATISTICS RESET**

**Explanation** The statistics for the identified link have been reset to zero.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CLKRESET

**NETX159I VALID LINK COMMANDS**

**Explanation** This message is in response to a link HELP command.

**User Action:** See following messages for command help information.

**Module:** NWXCFDRV

**Routine:** CLKHELP

**NETX160I NO STATISTICS ARE RECORDED FOR DRIVER**

**Explanation** A command to display or reset statistics for the XCF driver was attempted. There are no statistics recorded at the driver level to be displayed or reset. The command is accepted to prevent problems with automated command systems.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSTAT, CDVRESET

**NETX169I VALID DRIVER COMMANDS**

**Explanation** This message is in response to a driver HELP command.

**User Action:** See following messages for command help information.

**Module:** NWXCFDRV

**Routine:** CDVHELP

**NETX170I RESET - RESETS STATISTIC VALUES TO ZERO**

**Explanation** This message is in response to a HELP command. It describes the RESET command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX171I SHOW - SHOWS CONFIGURATION INFORMATION**

**Explanation** This message is in response to a HELP command. It describes the SHOW command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX172I STATS - SHOWS CURRENT STATISTICS**

**Explanation** This message is in response to a HELP command. It describes the STATS command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX173I SNAP - PRINTS DUMP OF STORAGE AREAS**

**Explanation** This message is in response to a HELP command. It describes the SNAP command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX174I TRACE - PRINTS FORMATTED TRACE TABLE**

**Explanation** This message is in response to a HELP command. It describes the TRACE command.

**User Action:** None

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX175I HELP - DISPLAYS COMMAND HELP**

**Explanation** This message is in response to a HELP command. It describes the HELP command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX176I ALTER - USED TO ALTER PARAMETERS**

**Explanation** This message is in response to a HELP command. It describes the ALTER command.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVHELP, CLKHELP

**NETX180I** XCF GROUP=ccccccc TOKEN=xxxxxxxxxxxxxxxx

**Explanation** This message is a response to the driver SHOW command. It displays the group and the XCF member token associated for this group member.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSHOW

**NETX181I** ACCEPTUI=Y, TRACESIZ=nnnk

**Explanation** This message is a response to the driver SHOW command. It displays whether unsolicited connections are allowed (Y or N) and the size of the trace table.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSHOW

**NETX182I** SMALLMSG=nnnk, LARGMSG=nnnk

**Explanation** This message is a response to the driver SHOW command. It displays the values for messages considered to be small and large. These values are used for statistics kept by the links for messages sent and received.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSHOW

**NETX184I** XCF LINK=link-name TOKEN=token-value

**Explanation** This message is a response to the link SHOW command. It displays the name of the link and the XCF member token associated for this group member.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CLKSHOW

**NETX185I** PSTAT=N, RSTAT=Y, STATINT=nnnnn

**Explanation** This message is a response to the driver or link SHOW command. It displays whether statistics should be printed (Y or N) and reset (Y or N) at the identified intervals, in seconds.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSHOW, CLKSHOW

**NETX186I** WEIGHT=nnn, SAF=N

**Explanation** This message is a response to the link SHOW command. It displays the relative weight assigned to this link and whether the SAF interface will be called for this link.

**User Action:** None.

**Module:** NWXCFDRV

**Routine:** CDVSHOW, CLKSHOW



# 7 ABEND and Response Codes

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This chapter covers the following topics:

## ABEND Codes

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ABEND (abnormal end) codes are issued primarily by Adabas modules operating with Entire Net-Work. In addition to those listed in the *Adabas Messages and Codes* documentation, the following ABEND codes specific to the NETSIP/NETSIR initialization programs may also appear:

Code	Module	Explanation
800	NETSIP/OS	Invalid operating system detected: not OS/390 or z/OS
801	NETSIP/OS	Parameter error detected
802	NETSIP/OS	Addressing or residency mode, authorization error, or operating system is not a virtual machine guest
803	NETSIP/OS	Error detected during program loading or validation
804	NETSIP/OS	Space allocation failure
806	NETSIP/OS	NETSIR initialization failed

Entire Net-Work itself issues only the ABEND code 253 to indicate that an abnormal termination occurred. The specific termination information is given in the messages written to the print dataset.

## Response Codes

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Adabas response codes that refer to problems with the interregion communication in one way or another may occur when running Entire Net-Work. Refer to the *Adabas Messages and Codes* documentation for information about these codes.

In Entire Net-Work environments, the cause for these response codes is not always as apparent as in single systems. This is due to the fact that all calls are passed through interregion communications in two places: first they are passed from the user's task to Entire Net-Work; then, on the server's node, they are passed from Entire Net-Work to the server. In both instances, the same types of errors may occur. Therefore it is sometimes difficult if not impossible to determine the node on which the problem was encountered.

To aid in diagnosing such situations, Entire Net-Work provides the node ID (target ID) of the Entire Net-Work node where the problem was encountered for all problems related to these response codes. The information is returned in the additions 2 field of the Adabas control block. Note that this field is not modified by Entire Net-Work under any other circumstances. In some cases, where the problem prevents the call from reaching Entire Net-Work on the user's node, the information obviously cannot be provided by Entire Net-Work.

In addition, a group of Adabas codes ranging from 220 through 229 is reserved for use by Entire Net-Work (222, 223, 225-228 are not currently used):

**Response 220**

**Explanation** Buffer shortage: the request was rejected by Entire Net-Work due to a shortage of short term buffers. The additions 2 field in the Adabas control block contains the node ID of the node in error in the leftmost 2 bytes.

**Action** Increase the size of the short term buffer allocated on the `BUFFERS=` parameter of the `NODE` statement.

**Response 221**

**Explanation** The LU size of the remote partner is smaller than the size required for the Adabas request.

**Action** Either increase the size specified for the `LU=` parameter on the remote system, or modify the application to reduce its buffer sizes.

**Response 224**

**Explanation** Reply timeout: the request waited for a reply for a longer time period than specified by the `REPLYTIM=` parameter in either the `NODE` statement or the `SET` operator command. The reply may be delayed or lost due to a target malfunction, or because of a connecting link failure.

**Action** This message is for information only.

**Response 229**

**Explanation** Translation error: the Entire Net-Work converter detected an inconsistency and/or error in the application format buffer or search buffer and is unable to correctly translate the user's data.

**Action** This message is for information only.



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