NETP* - Simple Connection Line Driver Operator Messages

The following are the categories used for operator messages for the Simple Connection Line Driver:

Message Range	Description
NETP000- NETP099	Non-API-related messages
NETP500 - NETP599	Connectivity Systems API-specific messages
NETP600 - NETP699	HPS API-specific messages
NETP700 - NETP799	OES API-specific messages
NETP800 - NETP899	Simple Connection Line Driver-specific messages

The messages are:

Overview of Messages

```
NETP040I | NETP041W | NETP042W | NETP043I | NETP044I | NETP046W |
NETP047I | NETP048I | NETP060I | NETP061I | NETP062I | NETP063I |
NETP065I | NETP066I | NETP067I | NETP502W | NETP509E | NETP511W |
NETP512W | NETP521W | NETP522W | NETP531W | NETP532W | NETP541W |
NETP542W | NETP551W | NETP552W | NETP561W | NETP562W | NETP571W |
NETP572W | NETP581W | NET0582W | NETP600I | NETP601I | NETP602E |
NETP603E | NETP604E | NETP605W | NETP606I | NETP610E | NETP611E |
NETP612E | NETP613E | NETP614E | NETP615E | NETP616E | NETP617W |
NETP618W | NETP620W | NETP621E | NETP622E | NETP623W | NETP624W |
NETP630E | NETP631I | NETP632I | NETP633I | NETP634I | NETP635I |
NETP700I | NETP701I | NETP702E | NETP703E | NETP704E | NETP705W |
NETP706I | NETP707E | NETP710E | NETP711E | NETP712E | NETP713E |
NETP714E | NETP715E | NETP716E | NETP717W | NETP718W | NETP719W |
NETP720W | NETP721E | NETP722E | NETP723W | NETP724W | NETP730E |
NETP731I | NETP732I | NETP733I | NETP734I | NETP735I | NETP800I |
NETP801E | NETP802E | NETP803I | NETP804I | NETP805E | NETP806E |
NETP807E | NETP808E | NETP818I | NETP819I |
```

NETP040I   **LINK** *llllllll* **HAS RESUMED PROCESSING**

Explanation   Link *llllllll*, which was previously suspended, has resumed processing as a result of the RESUME command.

User Action   None.

Module   NWTCPOPC

NETP041W   **PROCESSING ON LINK *llllll* HAS BEEN SUSPENDED**

Explanation   Message processing has been suspended on link *lllllll* as a result of the SUSPEND command.

User Action   Issue the RESUME command to restart message processing when appropriate.

Module   NWTCPOPC

NETP042W   **INCORRECT LINK SPECIFIED IN COMMAND**

Explanation   An operator command was issued, however, the value specified for the link name was not "*", "#" or a valid link name. The command is ignored.

User Action   Reissue the command with a correct link name or a wild card value.

Module   NWTCPOPC

NETP043I   **TCP/IP COMMAND(S) ACCEPTED**

Explanation   An operator command was issued. The command passed initial parsing, that is, each subcommand was processed. The success or failure of a subcommand is independent of this message being issued.

User Action   None.

Module   NWTCPOPC

NETP044I   **LINK *llllll* STATISTICS *xxxxxxx***

Explanation   Statistics for link *lllllll* or the TCPI driver have been either printed or reset, as indicated by xxxxxxxx.

User Action   None.

Module   NWTCPOPC

NETP046W   LINK *lllllll* NOT ALTERED, BAD CONFIGURATION PARAMETERS

Explanation   An attempt to alter the active configuration for link llllllll or the TCPI driver has failed due to invalid parameter specifications in the command TCPI lllllll ALTER xxxx, where lllllllll is a link name or a wildcard value and xxxx is one or more configuration keywords and parameters. The cause of the problem may be one of the following:

- A parameter specification contains a typographical or format error that makes the specification invalid.

- A value specified as the operand for a specific keyword is out of range, of incorrect format, or otherwise invalid.

- A keyword that is valid only when the link or driver is closed was specified when the link or driver was open.

User Action   If a keyword that is valid only when the link or driver is closed was specified, close the link or driver and reissue the command. Be aware that if the value specified for the RESTART parameter is too low, the link or driver may be automatically reopened after the CLOSE command is issued and before the ALTER command can be rekeyed. To prevent this, specify CLOSE (CL) in the command string immediately before the subcommand ALTER. For example:

```
TCPI linkname CL ALTER INETADDR=(127,0,0,1)
```

If the specified keywords are valid for the current state of the link or driver, verify that the keywords are spelled correctly, that all punctuation is correct, and that the operands are valid.

Module   NWTCPOPC

NETP047I   LINK *lllllllll* HAS BEEN MANUALLY *xxxxxx*

Explanation   A TCPI command was issued to one or more links or to the TCPI driver, and the action identified by xxxxxx was taken as a result.

User Action   None.

NETP048I   **LINK *lllllll xxxxxxxxxxxxxxxxxxxxxxxx***

Explanation   This message is issued in response to an operator command that was sent to link or driver *llllllll*. The link or driver name is followed by informational message text, which is one of the following:

Invalid State For Cmnd - The driver or link was in an invalid state (open) for the command to be executed.

Configuration Altered - The driver or link configuration was successfully updated.

Manual Open Failed - Open processing failed.

Connect In Progress - Connect processing for the link has been initiated.

Disconnect In Progress - Disconnect processing for the link has been initiated.

User Action   No action is required unless the message is 'Invalid State For Cmnd'. If so, wait for the link or driver to go into the proper state; then reissue the command, if appropriate.

Module   NWTCPOPC

NETP060I   **------------CONFIGURATION FOR LINK *llllllll*------------**
ADJHOST(*xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx*)
INETADDR(*xxx.xxx.xxx.xxx*) LILNODE(*xxxxxxxx*)
MULTSESS(*x*) PSTATS(*x*)
RSTATS(*x*) SAF(*x*) SENDTIME(*xxxxxxx*)
STATINT(*xxxxxxx*) TRACESIZ(*xxxxxxx*)
IP Version 6 address=*xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx*

Explanation   This multi-line display shows the current configuration for link *llllllll*. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been modified manually, or if they have been modified internally as a result of being out of range. For example, the last line appears only if IP Version 6 is in use.

User Action   None.

Module   NWTCPOPC

NETP061I   **LINK** *llllllll* **STATE(***xxxxxxxxxxx***) MSGS SENT(***xxxxxxx***)**

Explanation   The current state of link or driver *llllllll* is displayed with a count of messages sent and received. The message counts are for the period of time since the driver was opened, the link connected, or the statistics reset for either the driver or the link.

This message is automatically produced as a result of a command being issued to a link or driver while the link or driver was in an incorrect state for the command or as a result of a TCPI *llllllll* STATUS command being issued.

User Action   None.

Module   NWTCPOPC

NETP062I   **CONFIGURATION FOR DRIVER** *dddd*
ACCEPTUI(*x***) API(***xxx***) APITRACE(***x,x,x,x,x,x,x,x,x,x***)**
CONNQUE(*xxxxx***) DRVNAME(***xxxx***)**
PSTATS(*x***) RESTART(***xxxxx,xxxxx***) RSTATS(***x***)**
SERVERID(*xxxxx***) STATINT(***xxxxxxx***) SUBSYS(***xxxx***)**
TRACE(*xxx***) TRACELEV(***x,x,x,x,x,x,x,x,x,x***) TRACESIZ(***xxxxxxx***)**
MULTSESS (*x***) USERID(***xxxxxxxx***)**
OPTIONS1(*xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx***
*xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx***)**
OPTIONS2(*xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx***)**
IP VERSION 6 ALLOWED=*x***, SUPPORTED=***x***
CURRENT SIZE OF CLIENT TABLE *xxx*

Explanation   This multi-line display shows the current configuration for driver *dddd*. The parameters displayed may be different from those specified at Entire Net-Work initialization if they have been manually modified or if they have been modified internally as a result of being out of range.

Note:
The client table size is initially determined by the NUMUSERS parameter setting.

User Action   None.

Module   NWTCPOPC

NETP063I   **STATISTICS FOR LINK** *llllllll* **OR DRIVER** *dddddddd*

Explanation

```
     +-----------------------------------------------------------------------+
(a)  + Statistics For Link XXXXXXXX  Period xxxxx:xx:xx (xxxxxxx.xxx Secs)  +
     + -------------   ---Bytes----  --Messages--  -Api Calls--  ----------  +
(b)  + Writes          xxxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx  Total       +
(c)  + xxxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx  Per Second  +
(d)  + Reads           xxxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx  Total       +
(e)  + xxxxxxx.xxxz xxxxx,xxx,xxx Xxxxx,xxx,xxx  Per Second  +
     + -------------   ---Total----  ----Task----  ---Other----  ----------  +
(f)  + WRITE Cmds   xxxxx,xxx,xxx   xxxxx,xxx,xxx xxxxx,xxx,xxx   Total       +
(g)  +              xxxxx.xxx.xxx   xxxxx,xxx,xxx Xxxxx,xxx,xxx  Per Second  +
(h)  + REAC Cmds    xxxxx,xxx,xxx   xxxxx,xxx,xxx xxxxx,xxx,xxx   Total       +
(i)  +              xxxxx,xxx,xxx   xxxxx,xxx,xxx Xxxxx,xxx,xxx  Per Second  +
     +-----------------------------------------------------------------------+
```

This multi-line display is produced when the command TCPI xxxx STATS is issued, or when the automatic statistics interval has expired and PSTATS=Y is specified in the LINK statement. Values are displayed and updated asynchronously; therefore, the totals displayed may not always be accurate.

The display contains the following information:

Line (a)	The name of the link or driver and the time period in hours:minutes:seconds and seconds:milliseconds since the last time statistics were reset or a link was connected (if applicable).
Line (b)	Shows the cumulative number of bytes and messages written and the cumulative number of write API calls.
Line (c)	Shows the average number of bytes and messages written and the average number of write API calls per second.
Line (d)	Shows the cumulative number of bytes and messages read and the cumulative number of read API calls.
Line (e)	Shows the average number of bytes and messages read and the average number of read API calls per second.
Line (f)	Shows the cumulative number of WRITE commands that occurred. The total number of WRITEs is equal to the number of WRITEs from the Entire Net-Work task plus the number of WRITEs from asynchronous routines.
Line (g)	Shows the average number of WRITE commands that occurred per second. The total average WRITEs is equal to the average of WRITEs from the Entire Net-Work task plus the average of WRITEs from asynchronous routines.
Line (h)	Shows the cumulative number of READ commands that occurred. The total number of READs is equal to the number of READs from the Entire Net-Work task plus the number of READs from asynchronous routines.
Line (i)	Shows the average number of READ commands that occurred per second. The total average READs is equal to the average of READs from the Entire Net-Work task plus the average of READs from asynchronous routines.

User Action   None.

Module   NWTCPOPC

NETP065I   **ACTIVE USERS FOR** *type name*

Explanation This multi-line display is produced when you issue the USERS operator command for the Simple Connection
Line Driver. The *type* in the message indicates whether the statistics listed in the output are for a driver or a
link. The *name* in the message indicates the name of the driver or link to which the statistics apply.

This is a sample of the output that will appear when issued to the driver:

```
NETP065I: Active Users For Driver TCPX
NETP065I: --------- Client ID     1 ----------------
NETP065I: Active on Link TCX00001 TCP/IP address 10.132.33.48
NETP065I: Adabas Userid:
NETP065I: Char(       NET-WORKS   NORGAY    )
NETP065I:  Hex(01210000 00000000 D5C5E360 E6D6D9D2 E22B0001 D2C5D5E3 40404040)
NETP065I: Context ID(E22B0001) Context Verifier(01000000)
NETP065I: Number of requests processed         1
NETP065I:    1 Active Users printed
```

This is a sample of the output that will appear when issued to a link:

```
NETP065I: Active Users For Link TCX00001 TCP/IP address 10.132.33.48
NETP065I: --------- Client ID     1 ----------------
NETP065I: Adabas Userid:
NETP065I: Char(       NET-WORKS   NORGAY    )
NETP065I:  Hex(01210000 00000000 D5C5E360 E6D6D9D2 E22B0001 D2C5D5E3 40404040)
NETP065I: Context ID(E22B0001) Context Verifier(01000000)
NETP065I: Number of requests processed         1
NETP065I:    1 Active Users printed
```

User Action None.

Module   NWXTSOPC

NETP066I   **------------CONFIGURATION FOR LINK** *llllllll***------------**
                 ADJHOST(*xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx***)**
                 ADJNODE(*xxxxxxxx***) INETADDR(***xxx.xxx.xxx.xxx***)**
                 KEEPALIV(*x***) MULTSESS(***x***) PSTATS(***x***)**
                 RSTATS(*x***) SAF(***x***) SENDTIME(***xxxxxxx***)**
                 STATINT(*xxxxxxx***) TRACESIZ(***xxxxxxx***)**

Explanation This multi-line display shows the current configuration for the Simple Connection Line
Driver link *llllllll*. The parameters displayed may be different from those specified at
Entire Net-Work initialization if they have been modified manually, or if they have
been modified internally as a result of being out of range.

User Action None.

Module   NWXTSOPC

NETP067I **CONFIGURATION FOR DRIVER TCPX**
ACCEPTUI(*x*) API(*api*) APITRACE(*x,x,x,x,x,x,x,x,x,x*)
CONNQUE(*n*) DRVCHAR(*x*) DRVNAME(*name*) KEEPALIV(*x*)
MULTSESS(*x*) PSTATS(*x*) RESTART(*xxxxx,xxxxx*) RSTATS(*x*)
SERVERID(*serverid*) STATINT(*seconds*) SUBSYS(*subsys*)
TRACE(*x*) TRACELEV(*x,x,x,x,x,x,x,x,x,x*) TRACESIZ(*bytes*)
USERID(*userid*)
OPTIONS1(*xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx*
***xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx*)**
OPTIONS2(*xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx,xxxxxxxx*)
IP VERSION 6 ALLOWED=*x*, SUPPORTED=*x*
CURRENT SIZE OF CLIENT TABLE (NUMUSERS)*n*

Explanation This multi-line display shows the current configuration for the Simple Connection Line
Driver. The parameters displayed may be different from those specified at Entire
Net-Work initialization if they have been manually modified or if they have been
modified internally as a result of being out of range.

Note:
The client table size is initially determined by the NUMUSERS parameter setting.

User Action None.

Module NWXTSOPC

NETP502W **UNABLE TO ALLOCATE CONNECT QUEUE ENTRY**

Explanation All connect queue entries are in use.

User Action The number of connect queue entries is specified by the CONNQUE parameter on the
DRIVER statement. Increase the value of this parameter to accommodate the maximum
number of simultaneous connection requests from remote nodes.

NETP509E **ERROR OCCURRED OBTAINING OR FREEING STORAGE**

Explanation An error occurred when attempting to obtain or release virtual storage. This error
usually occurs because there is insufficient storage in the region to satisfy the obtain or
one of the buffer pools is not large enough to satisfy the storage request.

User Action Check the buffer pool statistics by issuing the DISPLAY STATS operator command. If
necessary, increase the size of the buffer pools. Otherwise, increase the private area size
of the region to allow storage requests that are not allocated from buffer pools to
properly complete.

Module NWTCPCNS

NETP511W   **TCP API ERROR ON LISTEN - RC = xxxx**

Explanation   There was an error in acquiring storage to perform a passive OPEN call to the TCP/IP partition. RC = 4 indicates a problem acquiring partition GETVIS storage. RC = 16 indicates a problem acquiring SVA GETVIS storage.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module   NWVSESTK

NETP512W   **TCP RETURNED LISTEN ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a passive OPEN(Listen) call.

User Action   Report the error to your Software AG technical support representative.

Module   NWVSESTK

NETP521W   **TCP API ERROR ON CONNECT - RC = xxxx**

Explanation   There was an error in acquiring storage to perform an OPEN call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module   NWTCPCNS

NETP522W   **TCP RETURNED CONNECT ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on an OPEN call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP531W   **TCP API ERROR ON SEND - RC = xxxx**

Explanation   There was an error in acquiring storage to perform a SEND call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module   NWTCPCNS

NETP532W   **TCP RETURNED SEND ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a SEND call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP541W   **TCP API ERROR ON RECEIVE - RC = xxxx**

Explanation   There was an error in acquiring storage to perform a RECEIVE call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module   NWTCPCNS

NETP542W   **TCP RETURNED RECEIVE ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a RECEIVE call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP551W   **TCP API ERROR ON DISCONNECT - RC = xxxx**

Explanation   There was an error in acquiring storage to perform an CLOSE call to the TCP/IP
                   partition. RC is the return code from a VSE GETVIS call. For more information, refer
                   to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE=
                   parameter on the EXEC card if possible. With RC=16, additional allocation is required
                   in the system GETVIS area in the SVA. For other values, contact your Software AG
                   technical support representative.

Module   NWTCPCNS

NETP552W   **TCP RETURNED DISCONN ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a
                   CLOSE call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP561W   **TCP API ERROR ON OPEN - RC = xxxx**

Explanation   There was an error in acquiring storage to perform an OPEN CONTROL call to the
                   TCP/IP partition. RC is the return code from a VSE GETVIS call. For more
                   information, refer to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE=
                   parameter on the EXEC card if possible. For RC=8, corrrect the value of the USERID
                   parameter on the DRIVER statement to match the ID= subparameter of the PARM field
                   for an active TCP/IP stack. With RC=16, additional allocation is required in the system
                   GETVIS area in the SVA. For other values, contact your Software AG technical
                   support representative.

Module   NWTCPCNS

NETP562W   **TCP RETURNED OPEN ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on an
                   OPEN CONTROL call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP571W   **TCP API ERROR ON CLOSE - RC = xxxx**

Explanation   There was an error in acquiring storage to perform a CLOSE,CONTROL call to the TCP/IP partition. RC is the return code from a VSE GETVIS call. For more information, refer to the appropriate VSE documentation.

User Action   For RC=4, increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible. With RC=16, additional allocation is required in the system GETVIS area in the SVA. For other values, contact your Software AG technical support representative.

Module   NWTCPCNS

NETP572W   **TCP RETURNED CLOSE ERROR - RC = xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a CLOSE CONTROL call.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP581W   **TCP API ERROR ON RESOLVE - RC = xxxx**

Explanation   An error was received while executing a call to resolve the host name or address. RC is the contents of Register 15 on return from the call. For more information, see the appropriate VSE documentation.

User Action   The action to take depends on the return code (RC=), as shown in the following table:

RC=4	Increase the size of the Entire Net-Work partition or decrease the SIZE= parameter on the EXEC card if possible.
RC=8	Correct the value of the USERID parameter on the DRIVER statement to match the ID= subparameter of the PARM field for an active TCP/IP stack.
RC=16	Provide additional allocation in the system GETVIS area in the SVA.
Any other value	Contact your Software AG technical support representative.

Module   NWTCPCNS

NET0582W   **TCP RETURNED RESOLVE ERROR - RC=xxxx**

Explanation   RC is the return code passed back to Entire Net-Work by the TCP/IP partition on a call to resolve the host name or address.

User Action   Report the error to your Software AG technical support representative.

Module   NWTCPCNS

NETP600I   **xxxxxxxx ERROR NUMBER nnnnn SOCKET sssss**

Explanation   A call to the IBM TCP/IP HPS API failed for function xxxxxxxx. The error number nnnnn provides the reason the failure and sssss is the socket where the failure occurred. This message provides diagnostic information about a previous error message. It may also be followed by a NETP601I message that explains the error number.

User Action   Locate message NETP601I for a description of the error number.

Module   NWTCPHPS

NETP601I   **variable text message**

Explanation   This message describes the error number provided in message NETP600I.

User Action   Try to eliminate the condition that caused the message.

Module   NWTCPHPS

NETP602E   **INVALID FUNCTION REQUESTED**

Explanation   An invalid request was made to the API.

User Action   Contact your Software AG technical support representative.

Module   NWTCPHPS

NETP603E   **TCP/IP FAILED TO LOAD**

Explanation   An attempt to load a required module for TCP/IP failed. The driver and all links using this API will be unusable. This is most likely caused by TCP/IP not being correctly installed. It could also be caused by a short-on-storage condition or an I/O error.

User Action   Check the joblog and syslog for any additional messages, such as operating system messages, that may provide a reason for the problem.

Module   NWTCPHPS

NETP604E   UNABLE TO ALLOCATE STORAGE FOR SCT

Explanation   An attempt to allocate storage for a required control block failed. The control block is
needed for the driver and all active links using the API. Only the new link being
connected to or the new driver being opened is affected. All active links and drivers
continue to run as long as the storage shortage does not cause other problems with
Entire Net-Work.

User Action   Look for other messages indicating storage problems and perform any recommended
action.

Module   NWTCPHPS

NETP605W   UNABLE TO CLOSE SOCKET

Explanation   An error occurred while trying to close a socket used for a connection. The Entire
Net-Work connection is closed, but the socket is not usable for future connections.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP606I   HPS DRIVER CLOSED

Explanation   A TCP/IP driver using API=HPS has been closed.

User Action   None required. This message is informational only.

Module   NWTCPHPS

NETP610E   INVALID OPERATING SYSTEM FOR API=HPS

Explanation   API=HPS was specified for a driver on a system that does not support it. MVS is
currently the only operating system that supports this API.

User Action   Specify a valid API for the system and the TCP/IP stack that you are running.

Module   NWTCPHPS

NETP611E   UNABLE TO INITIALIZE TCP/IP INTERFACE

Explanation   An INITAPI function call was made to TCP/IP and failed. NETP600I will provide an
error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP612E   UNABLE TO GET A SOCKET

Explanation   A call made to TCP/IP to get a new socket failed. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information. You may need to adjust some TCP/IP parameters to allow for more sockets.

Module   NWTCPHPS

NETP613E   UNABLE TO BIND SOCKET TO LOCAL SYSTEM

Explanation   A BIND function call to TCP/IP failed. The BIND function tells TCP/IP which port to listen on, as well as any restrictions on who can connect to this port. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP614E   UNABLE TO DETERMINE MAXIMUM SENDMSG SIZE

Explanation   A GETSOCKOPT function call to TCP/IP failed. The GETSOCKOPT function is used to determine the maximum message size that can be sent. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP615E   UNABLE TO SET LISTEN OPTIONS

Explanation   A LISTEN function call to TCP/IP failed. The LISTEN function is used to set the number of connection requests that can be queued. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP616E   **UNABLE TO LISTEN FOR NEW CONNECTIONS**

Explanation   An ACCEPT function call to TCP/IP failed. The ACCEPT function waits for a connection request and returns a socket to be used for the new conversation. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP617W   **UNABLE TO ALLOCATE CONNECT QUEUE ENTRY**

Explanation   The connection request was rejected because there was no connect queue entry available to process the request.

User Action   Increase the value of the CONNQUE parameter on the DRIVER statement.

Module   NWTCPHPS

NETP618W   **UNABLE TO SETSOCKOPT KEEPALIVE OPTION**

Explanation   A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the KEEPALIV parameter on the TCP/IP DRIVER and LINK statements. If KEEPALIV=YES, a message is sent periodically to verify that a connection is still active. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information. To disable this function, specify KEEPALIV=NO on the DRIVER and LINK statements.

Module   NWTCPHPS

NETP620W   **UNABLE TO CONNECT TO REMOTE SYSTEM**

Explanation   A CONNECT function call to TCP/IP failed. The CONNECT function is used to connect to a remote Entire Net-Work node. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information. Make sure that the remote Entire Net-Work node is running and is accepting connections from this node.

Module   NWTCPHPS

NETP621E   **UNABLE TO SENDMSG TO REMOTE SYSTEM**

Explanation   A SENDMSG function call to TCP/IP failed. The SENDMSG function is used to send a data packet to a remote Entire Net-Work node. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP622E   **UNABLE TO RECV DATA FROM REMOTE SYSTEM**

Explanation   A RECV function call to TCP/IP failed. The RECV function is used to receive a data packet from a remote Entire Net-Work node. This call waits for incoming data before returning to Entire Net-Work. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information.

Module   NWTCPHPS

NETP623W   **UNABLE TO DETERMINE TCP/IP ADDRESS**

Explanation   A GETHOSTBYNAME function call to TCP/IP failed. This type of function is used to determine the TCP/IP address of an Entire Net-Work node that used the ADJHOST parameter to specify the name. NETP600I will provide an error number that indicates why it failed.

User Action   Locate messages NETP600I and NETP601I for additional information. Make sure the name specified on ADJHOST parameter is correct and that this name is in the hosts file or domain name server. Read about the ADJHOST parameter

Module   NWTCPHPS

NETP624W   **UNABLE TO DETERMINE HOST NAME FROM ADDRESS**

Explanation   A GetHostByAddr function call to TCP/IP failed, probably because the host name address was not defined in the DNS (Domain Name Service). The GetHostByAddr call is used to determine the name of a connecting IP address when ADJHOST has been specified on a LINK statement.

User Action   Add the host name and IP address to your domain name server.

Module   NWTCPHPS

NETP630E   ASYNC EXIT ENTERED FOR UNKNOWN ROUTINE

Explanation   This message indicates an internal logic error in the HPS API.

User Action   Issue the TRACE and SNAP operator commands for the line driver.

For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module   NWTCPHPS

NETP631I   ASYNC EXIT ENTERED FOR TCP/IP TERMINATION

Explanation   TCP/IP is being terminated on the local system. All connections using this driver will be disconnected. This is an informational message and does not indicate an error in Entire Net-Work.

User Action   Determine why the TCP/IP address space is being terminated.

Module   NWTCPHPS

NETP632I   ASYNC EXIT ENTERED FOR LINK TERMINATION

Explanation   TCP/IP has terminated the connection for this link. Therefore, the link is no longer active.

User Action   Look for other messages on both the local and remote systems that will help you determine why the link was terminated.

Module   NWTCPHPS

NETP633I   ASYNC EXIT ENTERED FOR PREVIOUS ABEND

Explanation   The asynchronous exit abended processing a previous TCP/IP function. This message indicates an internal logic error in the HPS API.

User Action   Issue the TRACE and SNAP operator commands for this driver.

For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module   NWTCPHPS

NETP634I   **ASYNC EXIT ENTERED FOR UNKNOWN REASON**

Explanation   This message indicates an internal logic error in the HPS API.

User Action   Issue the TRACE and SNAP operator commands for this driver. For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module   NWTCPHPS

NETP635I   **ASYNC EXIT ENTERED WITH INVALID SCT TOKEN**

Explanation   The asynchronous exit was entered without a required token. This message indicates an internal logic error in the HPS API.

User Action   Issue the TRACE and SNAP operator commands for this driver. For more information, see the section *Entire Net-Work Operator Commands*. Then contact your Software AG technical support representative.

Module   NWTCPHPS

NETP700I   *xxxxxxxx* **ERROR NUMBER** *nnnnn* **REASON** *rrrrrrrr* **SOCKET** *sssss*
                 xxxxxxxx **AIOCB ERRNUM** *nnnnn* **REASON** *rrrrrrrr* **SOCKET** *sssss*

Explanation   A call to the IBM TCP/IP stack failed for function *xxxxxxxx*. The error number nnnnn and the reason code *rrrrrrrr* indicate the reason the call failed, while *sssss* is the socket that the function failed on. This message provides diagnostic information about a previous error message. This message may also be followed by a NETP701I message that explains the error number and reason codes.

User Action   Locate message NETP701I for a description of the error number. Refer to the IBM documentation for an explanation of the error number and the reason code.

Module   NWTCPOES

NETP701I   **variable text message**

Explanation   The text of this message describes the error number from message NETP700I.

User Action   Eliminate if possible the condition that caused this message.

Module   NWTCPOES

NETP702E   **INVALID FUNCTION REQUESTED**

Explanation   An invalid request was made to this API.

User Action   Contact your Software AG technical support representative

Module   NWTCPOES

NETP703E   **TCP/IP FAILED TO LOAD**

Explanation   An attempt to load a required module for TCP/IP failed. The driver and all links using this API will be unusable. This is most likely caused by TCP/IP not being correctly installed. It could also be caused by a short on storage condition or an I/O error.

User Action   Check the joblog and syslog for any additional messages that may indicate a reason for the problem. These messages may be operating system messages.

Module   NWTCPOES

NETP704E   **UNABLE TO ALLOCATE STORAGE FOR SCT**

Explanation   An attempt to allocate storage for a required control block failed. This control block is needed for the driver and all active links using this API. Only the new link being connected or the new driver being opened are affected. All active links and drivers will continue to run as long as the storage shortage does not cause other problems with Entire Net-Work

User Action   Look for other messages indicating storage problems and perform any action recommended.

Module   NWTCPOES

NETP705W   **UNABLE TO CLOSE SOCKET**

Explanation   An error occurred trying to close a socket used for a connection. The Entire Net-Work connection is closed, but this socket will be unusable for a future connection.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP706I   **OES DRIVER CLOSED**

Explanation   A TCP/IP driver using API=OES has been closed. This is an informational message and does not indicate an error.

User Action   None

Module   NWTCPOES

NETP707E   **OES Driver requires APF authorization**

Explanation   This message indicates that Entire Net-Work is not APF authorized. APF authorization is required in order to use the API=OES.

User Action   Provide APF authorization for all load libraries in the Entire Net-Work STEPLIB.

Module   NWTCPOES

NETP710E   **INVALID OPERATING SYSTEM FOR API=OES**

Explanation   API=OES was specified for a driver on a system that does not support it. Currently OS390 is the only operating system that supports this API.

User Action   Specify a valid API for the system and TCP/IP stack you are running.

Module   NWTCPOES

NETP711E   **UNABLE TO INITIALIZE TCP/IP INTERFACE**

Explanation   An Open Edition call to DUB the TCB failed. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP712E   **UNABLE TO GET A SOCKET**

Explanation   A call made to TCP/IP to get a new socket failed. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information. Some adjusting of parameters for TCP/IP may need to be done to allow for more sockets.

Module   NWTCPOES

NETP713E   **UNABLE TO BIND SOCKET TO LOCAL SYSTEM**

Explanation   A BIND function call to TCP/IP failed. The BIND function is used to tell TCP/IP what port to listen on and what restrictions apply, i.e., who can connect to this port. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP714E   **UNABLE TO DETERMINE MAXIMUM SENDMSG SIZE**

Explanation   A GETSOCKOPT function call to TCP/IP failed. The GETSOCKOPTfunction is used to determine the maximum message size that can be sent. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP715E   **UNABLE TO SET LISTEN OPTIONS**

Explanation   A LISTEN function call to TCP/IP failed. The LISTEN function is used to set the number of connection requests that can be queued. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP716E   **UNABLE TO LISTEN FOR NEW CONNECTIONS**

Explanation   An ACCEPT function call to TCP/IP failed. The ACCEPT function waits for a connection request and returns a socket to be used for the new conversation. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP717W   UNABLE TO ALLOCATE CONNECT QUEUE ENTRY

Explanation   A connect queue entry is needed to process a connection request and none is currently available. The connection request is rejected.

User Action   Increase the value of the CONNQUE parameter on the DRIVER statement.

Module   NWTCPOES

NETP718W   UNABLE TO SETSOCKOPT KEEPALIVE OPTION

Explanation   A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the KEEPALIVE option in TCP/IP. KEEPALIVE is a TCP/IP option that regularly sends a message to verify that a connection is still active. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information. Set KEEPALIVE=NO parameter on driver and link statements to disable this function.

Module   NWTCPOES

NETP719W   UNABLE TO SETSOCKOPT REUSEADDR OPTION

Explanation   A SETSOCKOPT function call to TCP/IP failed. The SETSOCKOPT function is used to set the REUSEADDR option in TCP/IP so that a socket can be reused immediately after being closed.

User Action   Locate messages NETP700I and NETP701I for additional information. .

Module   NWTCPOES

NETP720W   UNABLE TO CONNECT TO REMOTE SYSTEM

Explanation   A CONNECT function call to TCP/IP failed. The CONNECT function is used to connect to a remote Entire Net-Work node. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information. Make sure that the remote Entire Net-Work node is running and is accepting connections from this node.

Module   NWTCPOES

NETP721E   **UNABLE TO SENDMSG TO REMOTE SYSTEM**

Explanation   A SENDMSG function call to TCP/IP failed. The SENDMSG function is used to send a data packet to a remote Entire Net-Work node. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP722E   **UNABLE TO RECV DATA FROM REMOTE SYSTEM**

Explanation   A RECV function call to TCP/IP failed. The RECV function is used to receive a data packet from a remote Entire Net-Work node. This call waits for incoming data before returning to Entire Net-Work. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information.

Module   NWTCPOES

NETP723W   **UNABLE TO DETERMINE TCP/IP ADDRESS**

Explanation   A GETHOSTBYNAME function call to TCP/IP failed. The GETHOSTBYNAME function is used to determine the TCP/IP address of an Entire Net-Work node that used the ADJHOST parameter to specify the name. NETP700I will provide an error number that indicates why it failed.

User Action   Locate messages NETP700I and NETP701I for additional information. Make sure that the name specified on ADJHOST parameter is correct and that this name is in the hosts file or domain name server. Read about the ADJHOST parameter

Module   NWTCPOES

NETP724W   **UNABLE TO DETERMINE HOST NAME FROM ADDRESS**

Explanation   A GetHostByAddr function call to TCP/IP failed, probably because the host name address was not defined in the DNS (Domain Name Service). The GetHostByAddr call is used to determine the name of a connecting IP address when ADJHOST has been specified on a LINK statement.

User Action   Add the host name and IP address to your domain name server.

Module   NWTCPOES

NETP730E   **ASYNC EXIT ENTERED FOR UNKNOWN ROUTINE**

Explanation   This message indicates an internal logic error in the OES API.

User Action   Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module   NWTCPOES

NETP731I   **ASYNC EXIT ENTERED FOR TCP/IP TERMINATION**

Explanation   TCP/IP is being terminated on the local system. All connections using this driver will be disconnected. This is an informational message and does not indicate an error in Entire Net-Work.

User Action   Determine why the TCP/IP address space is being terminated.

Module   NWTCPOES

NETP732I   **ASYNC EXIT ENTERED FOR LINK TERMINATION**

Explanation   TCP/IP has terminated the connection for this link. This link is no longer active.

User Action   Look for other messages on both the local and remote systems to determine why the link was terminated.

Module   NWTCPOES

NETP733I   **ASYNC EXIT ENTERED FOR PREVIOUS ABEND**

Explanation   The asynchronous exit abended while processing a previous TCP/IP function. This message indicates an internal logic error in the OES API.

User Action   Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module   NWTCPOES

NETP734I   **ASYNC EXIT ENTERED FOR UNKNOWN REASON**

Explanation   This message indicates an internal logic error in the OES API.

User Action   Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module   NWTCPOES

NETP735I   **ASYNC EXIT ENTERED WITH INVALID SCT TOKEN**

Explanation   The asynchronous exit was entered without a required token. This message indicates an internal logic error in the OES API.

User Action   Issue the TRACE and SNAP Entire Net-Work commands for this driver. Then contact your Software AG technical support representative.

Module   NWTCPOES

NETP800I   **ACT ARRAY ALLOCATED AT xxxxxxxx**

Explanation   The Simple Connection Line Driver's Active Client Table (ACT) array was allocated at the indicated address. This message is issued at initialization, and also if the ACT array is expanded.

User Action   None required. This message is informational only.

Module   NETTCPX, NXTSRV

NETP801E   **ACT ALLOCATION ERROR; NO FREE ENTRIES**

Explanation   Allocation of a client control block failed. Possible causes are:

- shortage of storage

- exceeding the total number of clients allowed (32767)

- internal error

User Action   Increase storage or limit the number of clients.

Module   NXTSRV

NETP802E   **ERROR FREEING ACT; ARRAY AND ELEMENT MISMATCH**

Explanation   An internal error occurred when attempting to free a client control block.

User Action   Contact your Software AG technical support representative.

Module   NETTCPX

NETP803I   **MAXIMUM NUMBER OF CLIENTS INCREASED TO xxxxx**

Explanation   The Active Client Table (ACT) array has been increased because it was full and a new client attempted to initialize. The table is increased by 50% of its current size.

User Action   If this message occurs frequently, increase NUMUSERS to minimize expansions.

Module   NXTSRV

NETP804I   **MSG RECEIVED FROM UNKNOWN CLIENT; CONTEXTID *xxxxxxx*, CONTEXTV *xxxxxxx***

Explanation   Each incoming request is validated against that client's current information. This message is issued if there was a mismatch or the client was not found.

User Action   Collect traces on the client and server side and contact your Software AG technical support representative.

Module   NETTCPX

NETP805E   **INTERNAL ERROR, UNABLE TO CONVERT MESSAGE**

Explanation   An error occurred when converting the message to Entire Net-Work's MHDR format. The probable cause is a shortage of storage.

User Action   If increasing storage does not resolve the error, contact your Software AG technical support representative.

Module   NETTCPX

NETP806E   **INVALID NUMUSERS VALUE, SETTING TO DEFAULT OF 100**

Explanation   An invalid value was specified for NUMUSERS. Entire Net-Work sets NUMUSERS to 100 and continues to initialize.

User Action   Correct the NUMUSERS value.

Module   NETTCPX

NETP807E   **CONNECT COMMAND NOT ALLOWED WITH TCPX DRIVER**

Explanation   The CONNECT command is not allowed with the Simple Connection Line Driver. Connect processing is handled automatically when a client initiates.

User Action   None required. This message is informational only.

Module   NETTCPX

NETP808E   **CLIENT xxxxx IS NO LONGER ACTIVE; UNABLE TO SEND REPLY**

Explanation   Client *xxxxx* was terminated before the current reply could be sent back, where *xxxxx* is the ACT index and the rightmost two bytes of the Context ID in the A1 message header. This can happen if the client times out or otherwise terminates while Entire Net-Work is processing a reply for that client.

User Action   If the client did not legitimately time out or terminate, obtain traces and contact your Software AG technical support representative.

Module   NETTCPX

NETP818I   **LINK *link* CONNECTED TO ADDRESS *nnn.nnn.nnn.nnn***

Explanation   The link named in the message was successfully connected to the partner TCP/IP address named in the message.

Этот message is issued for TCPX links in place of NET0110. It is written only to DDPRINT/NETPRNT, not the console.

Normal processing continues and the newly connected link can be used for message traffic.

User Action   None required. This message is informational only.

NETP819I   **LINK *link* DISCONN. FROM ADDRESS *nnn.nnn.nnn.nnn***

Explanation   The link named in the message was disconnected from the partner TCP/IP address named in the message by one of the following events:

- The node terminated.

- A DISCONNECT operator command was issued.

- One of several types of link failures occurred (these link failures are described by related line driver messages)

- The partner TCP/IP address terminated the socket connection.

This message is issued for TCPX links in place of NET0107. It is written only to DDPRINT/NETPRNT, not the console.

The system continues processing without the link. If the disconnection was due to an error, other messages should indicate the cause of the disconnection.

User Action   Correct the error, if required,and retry the application.