



## Host Manager Messages

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Host manager (HST) messages describe system software conditions associated with host links and internal overlays.

Some messages specify two Ethernet code elements:

- Error code number
- Error code text

Ethernet error codes are described in Table 6-1.

*Table 6-1 Ethernet Error Codes*

Error Code	Error Code Text
000	—
A01	Not Owner
A03	No Such Process
A06	No Such Device Or Address
A0D	Permission Denied
A11	Socket Already Exists
A16	Invalid Argument
A18	Too Many Open Sockets
A20	Connection Closed From Host
A23	Operation Would Block <sup>1</sup>
A24	Operation Now In Progress
A25	Operation Already in Progress
A26	Invalid Socket Argument
A27	Destination Address Required
A28	Message Too Long
A29	Protocol Wrong Type For Socket
A2A	Protocol Not Available
A2B	Protocol Not Supported
A2D	Operation Not Supported On Socket
A2F	Address Family Not Supported by Protocol

*Table 6-1 Ethernet Error Codes (continued)*

Error Code	Error Code Text
A30	Address Already In Use
A31	Can't Assign Requested Address
A32	Network Is Down
A33	Network Is Unreachable
A35	Software Caused Connection To Abort
A36	Connection Was Reset By Peer
A37	No Buffer Space Available
A38	Socket Is Already Connected
A39	Socket Is Not Connected
A3C	Connection Timed Out
A3D	Connection Refused
A40	Host Is Down
A41	No Route To Host
A54	Bad Internet Address
A55	Bad Network In Internet Address
FFFFFFFF	Incorrect Internet Address
FFFFFFFE	Incorrect Port Address
FFFFFFFC	Empty Socket Set Returned
FFFFFFFD	Incorrect Password

1. The VCO CPU's transmit TCP/IP buffer has attained maximum capacity and the VCO has disconnected the socket (HST013).

HST messages are described in the following manner:

HSTnnn: Message

**Explanation** An explanation of the message.

**Action** A description of the action the user should take.

# HST Messages

HST001: Host Manager Initialization Complete

**Explanation** The host manager processing subsystem was successfully initialized as part of the overall system initialization. All host links defined in the system database are now active.

**Action** None required.

HST002: Host <host link name> Has Failed Due To: [error name]

**Explanation** The host link specified failed due to the condition described in the message. This condition can be a physical failure or a protocol violation. No host commands can be processed or reports generated by the system over this link. The message details the internal processing failure. One of the following general socket errors was detected:

- [error name]
- Socket write error
- Socket read error
- Socket select error
- Admin request

**Action** Further information contained in message HST013 can be used to diagnose the fault. HST002 will appear together with HST013.

HST003: Host <host link name> Restored

**Explanation** The host link specified was restored to service. This is an advisory message.

**Action** None required.

HST004: Host Interface <host link name> Has Failed

**Explanation** The host interface specified (internal, SIO Port 3, SIO Port 4, or Ethernet) failed due to a physical condition (such as the host link connections being physically severed). This condition may affect only a single link or multiple links in the case of Ethernet sockets. Communication between the host and VCO cannot take place over the specified interface. This message may be preceded or followed by other messages indicating the reason for the failure.

**Action** Take corrective action as appropriate, indicated by the accompanying messages.

HST005: Activate Request For Active Overlay

**Explanation** The host manager subsystem received an erroneous internal activation request for the TeleRouter overlay (TeleRouter currently enabled). This condition does not affect system processing.

**Action** None required.

HST006: Deactivate Request For Inactive Overlay

**Explanation** The host manager subsystem received an erroneous internal deactivation request for the TeleRouter overlay (TeleRouter currently disabled). This condition does not affect system processing.

**Action** None required.

HST010: Initialization Of Ethernet Interface Has Failed

**Explanation** The system was unable to establish one or more Ethernet socket connections during system initialization. No Ethernet communication can be performed.

**Action** Check the physical connections and communication parameters defined in the Host Configuration screen.

HST011: Ethernet IPC <host link name> [error name] \${error code number}:[error code text]

**Explanation** An internal interprocessing communication fault occurred within the Ethernet subsystem. Refer to Table 6-1 for error code descriptions. The message details the internal processing failure. One of the following general socket errors was detected:

- [error name]
- Socket write error
- Socket read error
- Socket select error

**Action** Socket write and read errors most often occur as a result of slow reading on the part of the host system. The Ethernet buffer for a connection is not large. If the host experiences delays in keeping the buffer properly emptied, it can fill quickly and inhibit the ability of the VCO to write additional packets to the buffer. When this occurs, ensure that the network segment is not being disrupted by excessive amounts of other traffic which keep the host system from accessing the VCO. Additionally, the host system must not be preoccupied with other tasks with higher priority than reading from the VCO.

HST012: Host <host link> Login Attempt From - [host name]

**Explanation** The Ethernet socket connection specified in the message was established. This condition only occurs when Password Checking is enabled via the System Features screen.

**Action** None required.

HST013: Host <host link name> [error name] \${error code number}:[error code text]

**Explanation** An interprocessing communication fault occurred on the Ethernet connection specified. The message details the processing failure. Refer to Table 6-1 for error code descriptions. The indicated socket (host name) detected one of the following error conditions:

- [error name]
- Socket write error
- Socket read error
- Socket create error
- Socket configuration error
- Socket accept error
- Socket login error
- Admin request

**Action**

Socket write errors and socket read errors:

Socket write and read errors most often occur as a result of slow reading on the part of the host system. The Ethernet buffer for a connection is not large. If the host experiences delays in keeping the buffer properly emptied, it can fill quickly and inhibit the ability of the VCO to write additional packets to the buffer. When this occurs, ensure that the network segment is not being disrupted by excessive amounts of other traffic which keep the host system from accessing the VCO. Additionally, the host system must not be preoccupied with other tasks with higher priority than reading from the VCO. Other socket errors can occur if the configuration is not correct or an attempt to bind to the socket uses incorrect configuration information. Verify all socket configuration information in the VCO Host Configuration screen and in the host system. If problems persist, use a network analyzer to identify the problem.

Admin request errors:

A system administrator logged into the system and changed the data in at least one of the fields in the System Configuration screen.

HST014: Internet Host Ping Failure

**Explanation** A host that is configured for ping processing (from the Host Configuration screen) is not responding to the pings from the system. Ethernet communications with the specified host may not be possible.

**Action** Verify physical connections between the VCO and the network segment. Verify host configuration information in the VCO and the host system.

HST015: Internet Host Ping Failure Has Cleared

**Explanation** This alarm is raised when HST014: Internet Host Ping Failure has cleared. Ethernet communications with the specified host have been restored.

**Action** None required.

HST016: Network of Host <host link> [host name] Unreachable

**Explanation** The SDS/VCO is trying to communicate with a host that is configured outside the SDS/VCO system's network. Ethernet communications between the VCO and the specified host is not possible.

**Action** Verify the host configuration parameters in the VCO. Ensure that the appropriate Ethernet configuration is entered on the VCO. Ensure that the host system is on the appropriate Ethernet segment and is configured with the correct IP address. Verify all physical connectivity.