



ARAP Error Messages

Apple Remote Access Protocol error messages

Error Message

```
%ARAP-3-ABORTED: TTY [dec]: arap callback aborted
```

Explanation An unexpected message was received during the Microcom Networking Protocol version 4 (MNP4) link setup.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%ARAP-6-ADDRFREE: TTY [dec]: ARAP ended for user [chars]; address [atalk_address]; [dec] seconds connected
```

Explanation This message appears only when ARA Protocol logging is configured. The message notes that an ARA Protocol user has logged out.

Recommended Action No action is required.

Error Message

```
%ARAP-6-ADDRUSED: TTY [dec]: ARAP started for user [chars]; address [dec].[dec]
```

Explanation This message appears only when ARA Protocol logging is configured. The message notes that an ARA Protocol user has logged in.

Recommended Action No action is required.

Error Message

```
%ARAP-3-BADCONFIG: TTY [dec]: unhandled configuration command
```

Explanation A configuration command was not recognized.

Recommended Action Check the configuration file on the server for any invalid configuration commands.

Error Message

%ARAP-6-BADEXIT: TTY [dec]: exited user [chars]: [chars]

Explanation A user was disconnected from ARA Protocol at an unexpected time. The disconnection may be caused by modems dropping, server error, client problems, or any number of other difficulties.

Recommended Action To determine the cause of the disconnection, correlate the receipt of this message with the user problem reports.

Error Message

%ARAP-3-BADPAK: TTY [dec]: Bad packet type in arap_send_msg

Explanation Internal data structures are corrupted.

Recommended Action Check for abnormally high CPU usage.

Error Message

%ARAP-4-CONFAILED: TTY [dec]: ARAP connection failed: [chars]

Explanation The ARA Protocol client was denied access, probably because of a configuration problem on the server. The error message should indicate the problem. This message does not indicate access denials caused by bad passwords.

Recommended Action Investigate the problem reported in the error message.

Error Message

%ARAP-0-DEFAULT: TTY [dec]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ARAP-5-INITCONFUSED: TTY [dec]: ARAP unexpected initialization packet [chars]

Explanation The startup negotiation between a client and the ARA Protocol server fell out of order. If this message is received sporadically, it indicates line noise.

Recommended Action If this message recurs, reinstall the ARA client software.

Error Message

%ARAP-6-LRPHASERROR: TTY [dec]: Received LT in CONNECTION PHASE

Explanation The router received an invalid packet during ARA connection setup phase.

Recommended Action Check for excessive line noise. Check the ARAP client software configuration for possible problems.

Error Message

%ARAP-6-MAXRESENDS: TTY [dec]

Explanation The router resent MNP4 packets the maximum number of times without receiving an acknowledgment.

Recommended Action To determine the cause of the disconnection, correlate the receipt of this message with the user problem reports.

Error Message

%ARAP-6-MNP4RCVDISC: TTY [dec]: MNP4 input disconnect

Explanation This indicates that the router received a disconnect request from the remote Macintosh client.

Recommended Action No action is required.

Error Message

%ARAP-6-MNP4T401: TTY [dec]: T401 [dec] baud rate [dec]

Explanation This message indicates that the router received MNP4 connection request. MNP4 acknowledgment timer value is also indicated.

Recommended Action No action is required.

Error Message

%ARAP-4-NOEXTTACACS: TTY [dec]: arap TACACS is configured but extended TACACS is not

Explanation Terminal Access Controller Access Control System (TACACS) authentication failed because extended TACACS is not configured.

Recommended Action Configure extended TACACS.

Error Message

%ARAP-2-NOLOG: TTY [dec]: Could not malloc log

Explanation Memory not available for internal MNP4 logging.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ARAP-0-NOTNULLRESEND: TTY [dec]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ARAP-0-NULLRESEND: TTY [dec]

Explanation An internal software error occurred.

Recommended Action Report this error to your technical support representative.

Error Message

%ARAP-5-PAKINVALID: TTY [dec]: ARAP invalid packet received

Explanation A corrupted packet reached the ARA Protocol code.

Recommended Action Check for excessive CPU usage or excessive line noise.

Error Message

%ARAP-6-RCVGIANT: TTY [dec]: Rcv giant. dropping frame

Explanation The router received an oversized MNP4 frame.

Recommended Action Check for excessive line noise. Check the ARAP client software configuration for possible problems.

Error Message

%ARAP-6-RCVNOPAK: TTY [dec]: Receive getbuffer failure. dropping frame

Explanation No buffer exists for an incoming packet.

Recommended Action Examine buffer usage statistics. Possibly more memory is required.

Error Message

%ARAP-3-REMOTEERROR: TTY [dec]: arap input error

Explanation ARAP connection was terminated without a known cause.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%ARAP-6-RESENDSLOW: TTY [dec]

Explanation The router repeated resending of MNP4 packets as the Macintosh client failed to acknowledge previously resent packets.

Recommended Action If this error message persists for several ARAP connections, report it to your technical support representative.

Error Message

%ARAP-3-TIMEOUT: TTY [dec]: arap expected message timeout

Explanation The software timed out during the MNP4 link setup.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%ARAP-6-TIMERERROR: TTY [dec]: MNP4 timeout error

Explanation The router is dropping the connection after doing maximum resends.

Recommended Action To determine the cause of the disconnection, correlate the receipt of this message with the user problem reports.

Error Message

```
%ARAP-0-VSError: TTY [dec]: VS queued error
```

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ARAP-0-WAITBADMSG: TTY [dec]: arg msg bad [hex]
```

Explanation The router received an invalid packet during ARAP MNP4 connection setup phase.

Recommended Action Check for excessive line noise. Check the ARAP client software configuration for possible problems.

Error Message

```
%ARAP-6-XTICKLE: TTY [dec]: exited user [chars]: Other side stopped answering ARAP tickles (mnp4 pak resent [dec] mnp4 pak sent [dec] last [dec] now [dec])
```

Explanation The router disconnected as the remote Macintosh client stopped sending ARAP tickle or data packets.

Recommended Action To determine the cause of the disconnection, correlate the receipt of this message with the user problem reports.

ASPP Error Message

Asynchronous Security Protocol error message

Error Message

```
%ASPP-3-NOTTY: [chars]: Unable to set Rx/Tx tty async service hooks
```

Explanation This message occurs only when ASP is configured. It indicates the serial interface using ASP is configured incorrectly or does not support asynchronous mode.

Recommended Action Verify the correct hardware interface type is being used.

AT Error Messages

AppleTalk error messages

Error Message

%AT-6-ACQUIREMODE: [chars]: AppleTalk interface initializing; acquiring [chars]

Explanation The interface is determining the correct configuration. This message is displayed when discovery mode is enabled and no other router is detected.

Recommended Action No action is required.

Error Message

%AT-5-ADDRINUSE: [chars]: AppleTalk node warning; address [atalk_address] already in use

Explanation The initial hint address was in use. A search will be made for a valid address.

Recommended Action No action is required.

Error Message

%AT-5-ADDRINVALID: [chars]: AppleTalk node warning; address [atalk_address] is invalid

Explanation The hint address specified for the interface was not valid for the current configuration.

Recommended Action The hint address is ignored and a random valid hint address is automatically computed. No action is required.

Error Message

%AT-6-ADDRUSED: [chars]: AppleTalk node up; using address [atalk_address]

Explanation No hint address or a bad hint address was specified. This message indicates which AppleTalk address will be used for the interface.

Recommended Action No action is required.

Error Message

%AT-2-ASSERTFAILED: AppleTalk assertion failed: [chars]

Explanation The software detected an inconsistency. Although this error is serious, the router attempts to continue. AppleTalk processing might be impaired.

Recommended Action Copy the message exactly as it appears, note any AppleTalk problems you experience, and call your technical support representative.

Error Message

%AT-5-BADNEIGHBOR: [chars]: AppleTalk neighbor ignored; [atalk_address] is misconfigured

Explanation A neighboring router's AppleTalk configuration does not agree with this router's AppleTalk configuration. This condition can result from a mismatch between the neighbor's network range and this router's network range.

Recommended Action Modify either this router's or the neighboring router's configuration so that the network ranges agree.

Error Message

%AT-6-BADROUTE: Route to [atalk_address] has gone bad

Explanation The system did not detect a route within the required timeout period. Therefore, the route is marked as bad. A network might have become unreachable for some reason, perhaps because of a broken connection. This message does not necessarily indicate an error condition.

Recommended Action No action is required.

Error Message

%AT-7-BUGREPORT: AppleTalk bug: [chars]

Explanation The software detected an unexpected condition. The router takes corrective action and continues.

Recommended Action Copy the message exactly as it appears, note any AppleTalk problems you experience, and call your technical support representative.

Error Message

%AT-3-CANTDEL: Cannot delete [chars] route [dec] by clearing; remove it by reconfiguring

Explanation You attempted to remove a route from the routing table by issuing the **clear appletalk route** command. The command failed because the route was on a directly connected interface (it was created when you configured the router).

Recommended Action Remove the route by reconfiguring the directly connected interface with which it is associated.

Error Message

%AT-5-COMPATERR1: [chars]: AppleTalk internet compatibility mode required by [atalk_address]

Explanation A neighboring router supports only extended AppleTalk networks with a cable range of 1 and with one assigned zone (for example, 25-25).

Recommended Action Upgrade the routers that support only the original AppleTalk specification. In the meantime, observe the compatibility rules for AppleTalk Phase 1 and Phase 2 routers.

Error Message

%AT-5-COMPATERR2: AppleTalk neighbor incompatibility; [atalk_address] has multiple zones

Explanation Although this router has neighbors that require your internetwork to observe compatibility rules, AppleTalk has learned of a route with multiple zone names defined. This condition can cause node inconsistencies on your AppleTalk network.

Recommended Action Upgrade the routers that support only the original AppleTalk specification. In the meantime, observe the compatibility rules for AppleTalk Phase 1 and Phase 2 routers.

Error Message

%AT-5-COMPATERR3: AppleTalk neighbor incompatibility; [atalk_address] has wide cable range

Explanation Although this router has neighbors that require your internetwork to observe compatibility rules, AppleTalk has learned of a route that has a cable range greater than 1. This condition can cause node inconsistencies on your AppleTalk network.

Recommended Action Upgrade the routers that support only the original AppleTalk specification. In the meantime, observe the compatibility rules for AppleTalk Phase 1 and Phase 2 routers.

Error Message

%AT-5-COMPATERR4: AppleTalk EIGRP neighbor incompatibility; [atalk_address] has same router ID ([dec])

Explanation Two routers on the network have the same router ID.

Recommended Action Reconfigure the router to have a unique router ID. If the problem recurs, copy the error message exactly as it appears and report it to your technical support representative.

Error Message

%AT-6-CONFIGOK: [chars]: AppleTalk interface enabled; verified by [atalk_address]

Explanation The AppleTalk configuration was verified by consulting the indicated router.

Recommended Action No action is required.

Error Message

%AT-7-DEBUGMSG: AppleTalk debug: [chars]

Explanation This message is generated by a **debug** command and provides additional information about an AppleTalk condition.

Recommended Action Copy the message exactly as it appears, note any AppleTalk problems you experience, and call your technical support representative.

Error Message

```
%AT-3-DEFZONEERR: [chars]: AppleTalk interface warning; default zone differs from [atalk_address]
```

Explanation During the verification startup process, a disagreement occurred between the default zone (the first zone defined after the **appletalk cable-range** command) and the router that confirmed the configuration. When an AppleTalk end node is first connected to a network, it joins the default zone until it is overridden.

Recommended Action Use the **appletalk zone** command to correct the configuration so that all routers are advertising the same default zone. Note that several router implementations are known to mismanage the default zone.

Error Message

```
%AT-6-DELROUTE: AppleTalk network deleted; [atalk_address] removed from routing table
```

Explanation A route on the AppleTalk network aged out.

Recommended Action No action is required.

Error Message

```
%AT-3-DISCOFF: [chars]: AppleTalk node warning; discovery mode disabled
```

Explanation A hardware or software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%AT-3-DOMLOOP: Loop detected on domain [dec] [[chars]]
```

Explanation The domain router detected a routing loop. Routing loops are not allowed. The domain router runs a background loop detection process. The domain router starts this process when it receives a new zone list from a domain that is identical to the list in the main routing table and whose network range length matches that in this list. The loop detection process sends several AppleTalk Name Binding Protocol (NBP) loopback packets. When one of these packets is received on an interface that does not belong to the original domain, the domain router first shuts off all the domains involved in the loop, and then shuts off all the interfaces in these domains. The loop detection does not catch all types of loops. It is your responsibility to make sure that no loop exists.

Recommended Action Disable the cause of the routing loop. Then use the **clear appletalk** command to restart the interfaces involved.

Error Message

%AT-3-DOMOVERFLOW: Remap range overflow for [chars] domain [dec]

Explanation The remap range overflowed. If a network (range) cannot fit inside the remapping range, the network or cable range being advertised by a neighboring router is not accepted. When an overflow occurs, all interfaces in the domain are disabled.

Recommended Action Use the **appletalk domain remap-range** command to increase the remapping range. Then restart the interfaces.

Error Message

%AT-5-DUPADDR: [chars]: AppleTalk interface restarting; node address taken by [sci_notation]

Explanation Another AppleTalk node on a common network interface claimed the same AppleTalk address used by this router. This error indicates a serious, unexpected problem. If it recurs, a physical network problem might exist in which the nodes cannot communicate with each other.

Recommended Action The interface on this router restarts AppleTalk processing on the common network interface to resolve the address conflict. No action is required.

Error Message

%AT-6-EIGRPLINKDN: AppleTalk EIGRP link down: [chars]

Explanation An AppleTalk hardware interface was disabled.

Recommended Action No action is required.

Error Message

%AT-6-EIGRPLINKUP: Appletalk EIGRP link up: [chars]

Explanation An AppleTalk Enhanced IGRP interface that was previously shut down was restarted.

Recommended Action No action is required.

Error Message

%AT-6-EIGRPLOG: EIGRP logging: [chars] from [atalk_address] ([int]) on [chars] for network [atalk_address], metric [int] / [int]

Explanation A new AppleTalk Enhanced IGRP path has been learned. The message indicates the source of the path, its distance in hops, its metric, and the type of path.

Recommended Action No action is required.

Error Message

%AT-4-EIGRPLOTSOWORK: AppleTalk EIGRP WorkQ processed [int] entries, required [int] ms, did [chars] suspend

Explanation AppleTalk Enhanced IGRP did not have enough time to process packets.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%AT-6-EIGRPPEERDN: AppleTalk EIGRP peer down: [atalk_address], router ID: [int], just lost on [chars]

Explanation A peer router is unreachable.

Recommended Action No action is required.

Error Message

%AT-6-EIGRPPEERUP: AppleTalk EIGRP peer up: [atalk_address], router ID: [int], newly heard on [chars]

Explanation A new neighbor appeared on the network.

Recommended Action No action is required.

Error Message

%AT-5-FDDICOMPAT: AppleTalk FDDI neighbor [atalk_address] using obsolete FDDI addressing

Explanation Another AppleTalk router on the FDDI ring is running a release of the router software earlier than 9.0(2). Routers running these early software releases use an encapsulation for AppleTalk on FDDI rings that is not compatible with the Apple FDDITalk implementation.

Recommended Action Upgrade the routers running the software releases that use the pre-FDDITalk encapsulation for AppleTalk on FDDI rings.

Error Message

%AT-3-IFCONFLICT: [chars]: AppleTalk interface disabled; conflicts with interface [chars]

Explanation An attempt was made to configure an interface to have the same or a conflicting AppleTalk address or cable range as another interface on the same router.

Recommended Action Verify that you are not specifying an AppleTalk address or cable range used previously on this router, and reconfigure the interface.

Error Message

%AT-5-INTCLEARED: [chars]: AppleTalk interface restarting; interface cleared

Explanation A **clear interface** command was issued on an interface that is currently routing AppleTalk.

Recommended Action No action is required.

Error Message

%AT-5-INTDOWN: [chars]: AppleTalk node down; line protocol down

Explanation An AppleTalk hardware interface was disabled because of a bad serial line, a configuration command, or a bad interface.

Recommended Action If the interface was not intentionally disabled, this message indicates a hardware problem. In this case, repair or replace the applicable hardware.

Error Message

%AT-5-INTRESTART: [chars]: AppleTalk interface restarting; protocol restarted

Explanation The hardware interface was reset because of a configuration change. After the reset, AppleTalk automatically reinitialized the interface.

Recommended Action No action is required.

Error Message

%AT-6-INTUP: [chars]: AppleTalk interface restarting; line protocol came up

Explanation An AppleTalk interface that was previously shut down was restarted.

Recommended Action No action is required.

Error Message

%AT-3-INVNBPCMD: Invalid NBptest command [chars]

Explanation An unrecognized command was specified in the Name Binding Protocol (NBP) test facility.

Recommended Action Enter a valid command.

Error Message

%AT-5-LOSTNEIGHBOR: [chars]: AppleTalk neighbor down; lost contact with [atalk_address]

Explanation A peer router is unreachable.

Recommended Action No action is required.

Error Message

%AT-4-MACIPBADCONF: [chars]: MacIP inoperable configuration, [int]

Explanation If the **appletalk event-logging** command is configured, this message appears on the console when a MacIP server cannot begin or recover operations because of an invalid IP address configuration. This condition only occurs when the configured MacIP server's IP address is not valid on the same cable of any operable IP interface. The AppleTalk zone served by the MacIP server replaces the zone specified in the **appletalk zone** command. The IP address configured on the MacIP server replaces the IP address configured by the **ip address** command. When this error occurs, the MacIP configuration is considered invalid and is deleted.

Recommended Action No action is required.

Error Message

%AT-6-MACIPDOWN: [chars]: MacIP server shutting down, [int]

Explanation If the **appletalk event-logging** command is configured, this message appears on the console when a MacIP server is no longer operational for any reason. MacIP servers shut down in response to MacIP configuration changes or errors, or a change in the condition or configuration of an AppleTalk or IP interface for which the MacIP server is providing service. The AppleTalk zone served by the MacIP server replaces the zone specified in the **appletalk zone** command. The IP address configured on the MacIP server replaces the IP address configured by the **ip address** command.

Recommended Action No action is required.

Error Message

%AT-4-MACIPNOCABLE: [chars]: MacIP inoperable IP interface, [int]

Explanation If the **appletalk event-logging** command is configured, this message appears on the console when a MacIP server can no longer operate because of a change in the condition of the IP interface it serves. This condition can occur if IP routing is shut down on the interface, or the IP address of the interface is changed so that the MacIP server's IP address is no longer valid on the same cable. The AppleTalk zone served by the MacIP server replaces the zone specified in the **appletalk zone** command. The IP address configured on the MacIP server replaces the IP address configured by the **ip address** command.

Recommended Action No action is required.

Error Message

%AT-6-MACIPUP: [chars]: MacIP server operational, [int]

Explanation If the **appletalk event-logging** command is configured, this message appears on the console when a MacIP server is fully initialized and is ready to accept client requests. The AppleTalk zone served by the MacIP server replaces the zone specified in the **appletalk zone** command. The IP address configured on the MacIP server replaces the IP address configured by the **ip address** command.

Recommended Action No action is required.

Error Message

%AT-3-MCMISMATCH: [chars]: AppleTalk interface warning; zone multicast [sci_notation] differs from our multicast [sci_notation]

Explanation A computed multicast address disagrees with that provided by another AppleTalk router. The other AppleTalk router might be misconfigured or faulty.

Recommended Action Correct the problem at the other router.

Error Message

%AT-6-NBRDELETED: Neighbor entry for [atalk_address] deleted

Explanation The **clear appletalk neighbor** command displays this command when it completes successfully.

Recommended Action No action is required.

Error Message

%AT-6-NEIGHBORUP: [chars]: AppleTalk neighbor up; [atalk_address] has restarted

Explanation A neighboring router to which this router previously lost connectivity reappeared on the network.

Recommended Action No action is required.

Error Message

%AT-3-NETDISAGREES: [chars]: AppleTalk interface disabled; network incompatible with [atalk_address]

Explanation The interface was disabled because the configured AppleTalk address or cable range for the interface conflicts with that of another router on the attached network.

Recommended Action Reconfigure the affected routers so that there are no conflicting addresses or cable ranges on the attached network.

Error Message

%AT-4-NETINVALID: [chars]: AppleTalk node down; conflicts with active internet

Explanation The configuration specified for the interface conflicts with the active AppleTalk internetwork. For example, a cable range might be configured that overlaps an existing route but does not match the entry exactly.

Recommended Action Use the **appletalk cable-range** command to reconfigure the interface so that there are no conflicts with the existing AppleTalk network, or take any other actions necessary to resolve the conflict. AppleTalk will periodically attempt to restart the interface.

Error Message

%AT-6-NEWNEIGHBOR: [chars]: AppleTalk neighbor added; [atalk_address] is operational

Explanation The router discovered a new AppleTalk router on the network.

Recommended Action No action is required.

Error Message

%AT-6-NEWROUTE: [chars]: AppleTalk network added; [atalk_address] via [atalk_address] ([dec] hop [chars])

Explanation A new AppleTalk route was learned. The message indicates the source of the route and its distance in hops.

Recommended Action No action is required.

Error Message

%AT-6-NEWZONE: AppleTalk zone added; zone [chars] defined

Explanation A new AppleTalk zone was created.

Recommended Action No action is required.

Error Message

%AT-3-NOADDRSAVAIL: [chars]: AppleTalk node down; no addresses available

Explanation No free node could be found on the interface.

Recommended Action If your AppleTalk network has less than 250 nodes, issue the **debug appletalk errors** command and then call your technical support representative. If your AppleTalk network has more than 250 nodes, split it into smaller networks by creating new segments and moving some nodes into the new segments.

Error Message

%AT-3-NOBESTPATH: Could not compute best path for network [atalk_address]

Explanation A path to the specified network could not be found.

Recommended Action Use the **show appletalk route** command to verify that a path to the specified network exists. If it does, copy the error message exactly as it appears, and report it along with the output of the **show appletalk route** command to your technical support representative.

Error Message

%AT-6-NODEWRONG: [chars]: AppleTalk node [atalk_address] misconfigured; reply has been broadcast

Explanation An AppleTalk node sent a GetNet Info request to this router specifying an invalid network number for the source of the GetNet Info request. This situation occurs when an AppleTalk end node is moved to another network and is, therefore, misconfigured for the current network.

Recommended Action No action is required.

Error Message

%AT-1-NOMEM: Could not allocate memory for [chars] at line [dec] in [chars]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AT-6-NOPROXY: AppleTalk proxy deleted; zone [chars] freed network [atalk_address]

Explanation A previously configured Name Binding Protocol (NBP) proxy was deleted. The router can no longer convert NBP requests to a format understood by routers that support only the original AppleTalk specification.

Recommended Action No action is required.

Error Message

%AT-3-NOROUTE: No route to destination [atalk_address]

Explanation The router could not deliver a packet to a destination because it did not know where to send it.

Recommended Action Use the **show appletalk route** command to verify that a path to the destination exists. If it does, copy the error message exactly as it appears, and report it with the output of the **show appletalk route** command to your technical support representative.

Error Message

%AT-3-NOSRCADDR: [chars]: AppleTalk packet error; no source address available

Explanation The router could not generate an AppleTalk packet because no valid AppleTalk source address was available to identify this router in the packet.

Recommended Action Configure an interface to have an address or cable range. Use the **show appletalk** command to verify that the interface is operational.

Error Message

%AT-3-NOSUCHNBR: No such neighbor, [atalk_address]

Explanation You specified a nonexistent neighbor address in a **show appletalk neighbor** or **clear appletalk neighbor** command.

Recommended Action Specify a valid neighbor address (one that appears in the output of the **show appletalk neighbor** command).

Error Message

%AT-5-NOSUCHROUTE: No such route [dec]

Explanation You specified a nonexistent route in a **show appletalk route** or **clear appletalk route** command.

Recommended Action Specify a valid route (one that appears in the output of the **show appletalk route** command).

Error Message

%AT-3-NOTRUNNING: AppleTalk not running

Explanation You tried to show or change the AppleTalk configuration when AppleTalk routing was not turned on.

Recommended Action Issue the **appletalk routing** command before issuing any other AppleTalk configuration or display command.

Error Message

%AT-5-NOTSUPPORTED: [chars]: AppleTalk node down; line protocol not supported

Explanation An encapsulation method on the specified interface does not support AppleTalk.

Recommended Action No action is required.

Error Message

%AT-3-NOVIRTUAL: [chars]: client tried to connect, but no virtual network is declared

Explanation A hardware or software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AT-5-OLDMCI: [chars]: AppleTalk route cache disabled; firmware is obsolete

Explanation The firmware on the MCI controller card does not support AppleTalk fast switching.

Recommended Action No corrective action is required. Normal AppleTalk operation continues, but the fast-switching cache is disabled for the interface associated with the MCI card. If this message is unexpected, verify that the MCI firmware for the interface specified in the error message is at level 1.7 or higher.

Error Message

%AT-6-ONLYROUTER: [chars]: AppleTalk interface enabled; no neighbors found

Explanation No other AppleTalk routers were found on the network attached to the interface.

Recommended Action No action is required.

Error Message

%AT-3-OUTOFSYNC: [chars]: AURP connection out of sync...terminating

Explanation AppleTalk Update-Based Routing Protocol (AURP) detected packets that were out of sequence. This might be caused by a lost connection.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AT-6-PATHADD: [chars]: AppleTalk [chars] path to network [atalk_address] added; via [atalk_address] (metric [dec])

Explanation A new AppleTalk path has been learned. The message indicates the source of the path, its distance in hops, its metric, and the type of path.

Recommended Action No action is required.

Error Message

%AT-5-PATHCHANGE: Route to [atalk_address] is now using path of type [chars] on [chars] via [atalk_address]

Explanation The path to a network changed because either the old path went down or the new path was better.

Recommended Action No action is required.

Error Message

%AT-6-PATHDEL: [chars]: AppleTalk [chars] path to [atalk_address] via [atalk_address] has been deleted

Explanation A path on the AppleTalk network aged out.

Recommended Action No action is required.

Error Message

%AT-6-PATHNOTIFY: [chars]: AppleTalk [chars] path to [atalk_address] down; reported bad by [atalk_address]

Explanation A router went down somewhere on the AppleTalk network. The indicated peer notified this router of the change.

Recommended Action No action is required.

Error Message

%AT-4-PATHREJECTED: AURP path [atalk_address] rejected; conflict detected

Explanation The router detected a conflicting cable range. A router is configured with a cable range that overlaps with an existing range, but does not match the entry exactly.

Recommended Action Use the **show appletalk** command to identify the overlapped cable range, and then reconfigure the misconfigured router.

Error Message

%AT-6-REGPENDING: NBP registration of [chars] at [[chars]] pending

Explanation A name registration call is being performed.

Recommended Action No action is required.

Error Message

%AT-6-ROUTEDOWN: [chars]: AppleTalk network down; interface to [atalk_address] disabled

Explanation A connected route is being advertised as down (also known as “notify neighbor”) because the configured interface is no longer operational.

Recommended Action No action is required.

Error Message

%AT-6-ROUTENOTIFY: [chars]: AppleTalk network down; [atalk_address] reported bad by [atalk_address]

Explanation A router went down somewhere on the AppleTalk network. The indicated peer notified this router of the change.

Recommended Action No action is required.

Error Message

%AT-6-ROUTEOK: [chars]: AppleTalk network up; [atalk_address] via [atalk_address] ([dec] hop [chars])

Explanation A routing update was received for a previously suspect route.

Recommended Action No action is required.

Error Message

%AT-5-RTMPSTATE: [chars]: RTMP path to [atalk_address] via [atalk_address] now in [chars] state (metric [dec], [dec] hops)

Explanation The state of a path changed.

Recommended Action No action is required.

Error Message

%AT-3-SUBROUTINE_ERROR: AppleTalk error: [chars]

Explanation An internal error occurred. Specifically, a programming assertion in the AppleTalk networking code was violated.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%AT-3-ZONEDISAGREES: [chars]: AppleTalk interface disabled; zone list incompatible with [atalk_address]

Explanation The zone list of the configured interface is inconsistent with the zone list of other routers.

Recommended Action Reconfigure the zone list on the router so that it does not conflict with that the zone lists on other routers.

Error Message

```
%AT-6-ZONEGC: AppleTalk zone deleted; zone [chars] released
```

Explanation The router removed an unused zone from the zone table.

Recommended Action No action is required.

Error Message

```
%AT-6-ZONEPROXY: AppleTalk proxy defined; zone [chars] using network
[ataalk_address]
```

Explanation This message reports the zone name and network number that are being advertised to support the **appletalk nbp-proxy** command.

Recommended Action When proxy service is initiated, this message is generated each time the **appletalk nbp-proxy** command is issued. No action is required.

ATM Error Messages

Asynchronous Transfer Mode error messages

Error Message

```
%ATM-5-ATMSOFTSTART: Restarting ATM signalling and ILMI on [chars]
```

Explanation The command just entered causes ATM Soft Restart.

Recommended Action Stand by and let ATM Signaling and ILMI to restart.

Error Message

```
%ATM-2-FAILATMSWDB: Fail malloc atm_swdb at [chars]
```

Explanation System memory exhaustion caused an internal software error in the ATM subsystem.

Recommended Action If the system exhibits any unexpected behavior as a result of this memory exhaustion, it may need to be reset to clear the error. Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

```
%ATM-3-FAILCREATEVC: ATM failed to create VC (VCD=[dec], VPI=[dec], VCI=[dec]) on
Interface [chars], (Cause of the failure: [chars])
```

Explanation This message can occur for the following unrelated reasons. Each reason is accompanied by a recommended action.

- The virtual circuit descriptor (VCD) exceeded the maximum available memory. Use a smaller VCD number.
- Address Resolution Protocol (ARP) is allowed only on AAL5-SNAP virtual circuits. Change the encapsulation to AAL5SNAP.

- The virtual path identifier-virtual channel identifier (VPI-VCI) pair or the VCD is already in use. Try using a different VPI-VCI or VCD number.
- Only one virtual channel connection (VCC) is allowed on a point-to-point interface. Try using a different subinterface.
- AAL3/4-SMDS virtual circuit must be the only virtual circuit on an interface. Turn off AAL3/4.
- AAL3/4-SMDS MID exceeds the maximum. Try a smaller Multiplex ID (MID) value.
- Switched Multimegabit Data Service (SMDS) is not enabled. Enable SMDS.
- The driver failed to accept the virtual circuit. Try initiating the virtual circuit again.

Recommended Action If none of the previous actions fix the problem, copy the error message exactly as it appears and report it to your Cisco technical support representative.

Error Message

%ATM-5-ILMIACCFILTER: New access filter setting will be applied to registration of new addresses on [chars]

Explanation The command just entered sets up a new ILMI access filter for address registration. It only affects new addresses to be registered. The addresses already registered will not be affected.

Recommended Action Issue the **shutdown** and **no shutdown** commands on this interface to restart address registration if you need to remove addresses already registered but not permitted by the new access filter.

Error Message

%ATM-5-ILMIADDREG: Address registration on [chars] is enabled. It will be initiated at next interface restart

Explanation The command just entered enables ATM address registration.

Recommended Action Issue the **shutdown** and **no shutdown** commands on this interface if you need to start address registration right away. Otherwise, wait for the next interface restart.

Error Message

%ATM-6-ILMIAUTOCFGALREADY: ILMI([chars]): Auto-configuration already enabled

Explanation ATM auto-configuration has been enabled already. The **atm auto-configuration** command just entered is ignored.

Recommended Action No action is required.

Error Message

%ATM-4-ILMICONFIGCHANGE: ILMI([chars]): ILMI([chars]): Restarting ATM signalling and ILMI. Peer Configuration change detected.

Explanation Configuration of adjacent peer device has been changed.

Recommended Action Wait for the interface to restart itself.

Error Message

%ATM-5-ILMIDEFACCFILTER: New global default access filter setting will be applied to registration of new addresses on interfaces using global default access filter

Explanation The command just entered sets up new global default access filter for address registration. It only affects new addresses to be registered on interfaces using the global default. The addresses already registered will not be affected.

Recommended Action Issue the **shutdown** and **no shutdown** commands on desired interfaces to restart address registration if you need to remove addresses already registered but not permitted by the new global default access filter.

Error Message

%ATM-4-ILMIKEEPALIVEFAIL: ILMI([chars]): Restarting ATM signalling and ILMI. Keepalive failure detected

Explanation Adjacent peer device is not responding to Interim Local Management Interface (ILMI) Keepalive polling.

Recommended Action Check the connection of the ATM interface and the status of the adjacent peer device. Correct them if necessary. Wait and check if ILMI Keepalive comes up again. If the problem persists, copy this warning message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATM-6-ILMINOAUTOCFG: ILMI([chars]): Auto-configuration is disabled, current interface parameters will be used at next interface restart

Explanation The command just entered causes auto-configuration to be disabled. The most recently entered interface parameters will be used at the next interface restart.

Recommended Action Note which parameters have been configured.

Error Message

%ATM-6-ILMINOAUTOCFGALREADY: ILMI([chars]): Auto configuration already disabled

Explanation ATM auto-configuration has been disabled already. The **no atm auto-configuration** command just entered is ignored.

Recommended Action No action is required.

Error Message

%ATM-4-MTUCALLMISMATCH: Call from: ATM NSAP - [chars] has mismatched PDU size - forward size is [dec] - backward size is [dec], int [chars] PDU size [chars] [chars]

Explanation The calling or called party has a maximum transmission unit (MTU) size configured that is different from the MTU size on the current interface.

Recommended Action Either change the configured MTU size on the current interface to that of the caller's or called party's interface, or change the caller's or called party's interface to match the current interface.

Error Message

%ATM-1-NOPUSRAM: Unit [dec], not enough interface memory

Explanation The specified ATM interface hardware has run out of interface memory.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATM-3-OUT_OF_VCDS: ATM failed to create VC on Interface [chars]

Explanation The ATM subsystem ran out of the internal resources necessary to create a new virtual circuit. This may indicate a software error.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATM-3-OVERSUBSCRIBED: Interface [chars]: Total [chars] allocation [int][chars] exceeded maximum [chars] of [int][chars]

Explanation A software or hardware error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%ATM-4-UNMATCHUNIVERSION: ([dec]/[dec]/[dec]:[dec]): [chars]. Please verify peer UNI version

Explanation The ATM peer equipment appears to be running an old version of ATM UNI. Communication with it is not possible.

Recommended Action The peer equipment must be upgraded in order to communicate with this system.

Error Message

%ATM-3-UNSUPPORTED_QOS_PARAMS: ATM failed to create VC on Interface [chars]

Explanation Either the configuration contains invalid traffic shaping parameters or the software ran out of rate queues.

Recommended Action Check the configuration for errors.

Error Message

%ATM-4-VPIVCIRANGE: VPI/VCI range parameters are dis-joint on [chars]

Explanation MinSvccVci is greater than MaxVci, after negotiation with the peer through ILMI.

Recommended Action Disable auto-configuration on both sides and change the port configuration appropriately so that SVCCs can be setup.

ATMCES Error Messages

ATM access concentrator PCI port adapter driver error messages

Error Message

%ATMCES-1-BAD1575: The 1575 device could not be initialized on bay [dec], shutting down bay

Explanation The port adapter failed its initialization.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-3-BADALTERACONFIG: Couldn't configure the Altera, DIO not reset

Explanation The port adapter failed its initialization.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-3-BADALTERAINIT: Couldn't initialize the Altera, DIO not set

Explanation The port adapter failed its initialization.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-3-BADBRDGCFG: Couldn't get bridge configuration: [chars]

Explanation Bridge configuration failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-1-BADPATYPE: Invalid Port Adapter Hardware Type Type=[dec]

Explanation The port adapter ID was not correct.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-1-BADSLAVE: The Slave device could not be initialized on bay [dec], shutting down bay

Explanation The port adapter failed its initialization.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCES-3-NOTATMCESDEV: Device reported [hex]

Explanation The PCI device ID was not correct.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

ATMCORE Error Messages

ATM core error messages

Error Message

%ATMCORE-4-ATM_SYS_ERROR: [chars]

Explanation The ATM core subsystem encountered an internal software error. The error message contains text that can be used to help identify the nature of the problem.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCORE-2-INTERNAL_CRITICAL: [chars]

Explanation The ATM core subsystem encountered an internal software error. The error message contains text that can be used to help identify the nature of the problem.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMCORE-3-INTERNAL_ERROR: [chars]

Explanation The ATM core subsystem encountered an internal software error. The error message contains text that can be used to help identify the nature of the problem.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMCORE-4-INTERNAL_WARNING: [chars]
```

Explanation The ATM core subsystem encountered an internal software error. The error message contains text that can be used to help identify the nature of the problem.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

ATMPA Error Messages

ATM port adapter error messages

Error Message

```
%ATMPA-3-BADPARTICLE: [chars]: bad rx particle 0x[hex] index [dec]
```

Explanation The PA host driver detected a duplicate rx host buffer returned.

Recommended Action Copy the error message exactly as it appears, and report it to your technical support representative.

Error Message

```
%ATMPA-3-BADVCD: [chars] bad vcd [dec] packet - [hex] [hex] [hex] [hex] [hex] [hex]
```

Explanation The port adapter received a packet on a non-existent VC.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMPA-5-BADVCSETUP: ti1570_vc_setup failed. (vci [dec] of the last vpi [dec] exceeds (vc-per-vp - 3))
```

Explanation The TI1570 chip reserves three RX DMA channels for OAM cells. As a result, the last three VCIs of the last VPI block cannot be used for regular traffic.

Recommended Action Try different VCI/VPI combinations.

Error Message

%ATMPA-3-CMDFAIL: [chars] Command Failed at [chars] - line [dec], arg [dec]

Explanation The port adapter failed to process a command.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-1-CTRLMEMFAIL: [chars] control memory bad [dec]

Explanation A memory test failed within the PCI control memory. This probably indicates a memory chip has failed.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG00: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG01: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG02: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG03: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG04: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG05: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG06: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-CWREG07: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR CW4010 Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-DISCOVER: found [dec] interfaces on bay [dec] (device ID [hex])

Explanation The software could not identify the interface card.

Recommended Action Power down the system, reseal the interface card, and reboot. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-1-GIANTPAK: [chars] vc [dec] received a giant packet size [dec] - [hex] [hex] [hex] [hex] [hex] [hex]

Explanation The port adapter received a giant packet.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-INITFAIL: ATMPA (bay [dec]), Init Failed at [chars] - line [dec]

Explanation The port adapter failed to complete hardware initialization.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-1-INVALIDCONFIG: VIP2-40 and below only supports one OC-3 ATM PA. The other PA bay needs to be emptied in order for the ATM PA to function.

Explanation The bandwidth requirements of the installed port adapters exceed the processor's rated capability.

Recommended Action Either remove one of the port adapters or upgrade the VIP.

Error Message

%ATMPA-2-INVDEVICE: Slot [dec] device is invalid (ID [hex])

Explanation The ATM Deluxe PCI driver found an incorrect PCI device ID during initialization. A hardware failure could have caused the wrong ID to be read, or the software in use does not support hardware that did not exist at the time the software was written.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-MISC0: [hex][hex], [hex][hex], [hex][hex], [hex][hex]

Explanation SAR miscellaneous dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-MISC1: [hex][hex], [hex][hex], [hex][hex], [hex][hex]

Explanation SAR miscellaneous dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-MISC2: [hex][hex], [hex][hex], 1[hex][hex], 11 0x[hex]

Explanation SAR miscellaneous dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-MISC3: 12 0x[hex], 13 0x[hex], 14 0x[hex], 15 0x[hex]

Explanation SAR miscellaneous dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-NOTTI1570: Slot [dec] device is not TI1570 (ID [hex])

Explanation The driver found a device type other than what it expected in the specified PCI slot. If the device is a TI1570 then a hardware failure may have occurred.

Recommended Action Power down the system, re-seat the interface card, and reboot. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-NOTXDESCSPACE: [chars] No tx descriptor space in buffer, data block 0x[hex], data start 0x[hex]

Explanation This message is probably caused by memory exhaustion. Memory could not be allocated by the driver for a packet.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

%ATMPA-3-PCIMEMNOTENOUGH: Not Enough PCI memory ([hex]) to support ATM PA on bay [dec]

Explanation The port adapter needs more PCI memory. The installed amount is less than required by the drivers for packet buffers.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-PCI_PERROR: TI1570 unit [dec]: PCI parity error (0x[hex])

Explanation A parity error occurred on the PCI bus. This probably indicates an existing or developing hardware failure.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-REG00: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR APU Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-REG01: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR APU Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-REG02: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR APU Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-7-REG03: [chars] 0x[hex], [chars] 0x[hex], [chars] 0x[hex]

Explanation SAR APU Registers dump.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-1-REGFAIL: register [hex] write value 0x[hex] but read 0x[hex]

Explanation The port adapter failed to write a register.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-1-RPTFAIL: [chars] failed to send report [dec] at [chars] - line [dec]

Explanation The port adapter failed to send a report from the VIP.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-RXDMANOTINACT: RX DMA entry [hex] not going inactive

Explanation A receive DMA channel failed to deactivate during shutdown of a virtual circuit. This failure could originate in hardware or software.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-RXFREEZE: [chars]: receive freeze [dec]

Explanation This message indicates that excessive traffic congestion on the ATM interface may have resulted in cell loss. The PCI-ATM interface's cell buffers were full when a cell arrived on the interface, resulting in a receive freeze condition.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-SARCRASH: [chars]: SAR[dec] Chip Crashdump:

Explanation The SAR chip crashed, and the interface is being reset.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-TXDMANOTFLUSHED: TX DMA not flushed

Explanation A transmit DMA channel failed to flush its buffers during shutdown of an ATM interface. This failure could originate in hardware or software.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-TXFREEZE: [chars]: transmit freeze [dec]

Explanation The PCI-ATM interface had to stop the transmitter while waiting for data.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMPA-3-UNSUPPORTED: [chars]: Non supported command

Explanation An attempt was made to configure a rate queue on an ATM Lite port adapter that does not support rate queues.

Recommended Action Check the configuration and try again, avoiding unsupported features.

ATMSIG Error Messages

ATM signaling subsystem error messages

Error Message

```
%ATMSIG-3-ATMSIG_CUG_DELETE_FAILED: ATMSIG([chars])
```

Explanation A software error occurred during removal of a member from a closed user group. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-ATMSIG_CUG_INSERT_FAILED: ATMSIG([chars])
```

Explanation A software error occurred during addition of a member to a closed user group. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-ATMSIG_PRTY_DELETE_FAILED: ATMSIG([chars] [dec],[dec] - %04d/%02d) avl
prty del failed:svc 0x[hex] party 0x[hex]
```

Explanation A software error occurred during removal of a party from a point-to-multipoint call. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-ATMSIG_PRTY_INSERT_FAILED: ATMSIG([chars] [dec],[dec] - %04d/%02d) avl
prty ins failed:svc 0x[hex] party 0x[hex]
```

Explanation A software error occurred during addition of a party to a point-to-multipoint call. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-ATMSIG_SVC_DELETE_FAILED: ATMSIG([chars] [dec],[dec] - %04d/%02d) SVC
wavl del failed:svc 0x[hex]
```

Explanation A software error occurred during closure of an SVC. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-ATMSIG_SVC_INSERT_FAILED: ATMSIG([chars] [dec],[dec] - %04d/%02d) SVC
wavl ins failed:svc 0x[hex]
```

Explanation A software error occurred during creation of an SVC. Other error messages appearing immediately prior to this one may be related.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-4-CONFIG_ERROR: Configuration Error: [chars] [chars]
```

Explanation A configuration error occurred in the ATM Signaling subsystem. The message will display more specific information about the problem location.

Recommended Action Correct the configuration.

Error Message

%ATMSIG-3-ENQFAIL: process_enqueue failed, [chars]

Explanation An internal software error occurred while handling a user request.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-FAIL1STHALFLEG: 1st halfLeg failed, [chars]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-FAIL2NDHALFLEG: 2nd halfLeg failed, [chars]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-FAILASSERT: Assertion failed: [chars]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-FAILHALFLEGREM: halfLeg removal failed, [chars]

Explanation An internal software error occurred. This message should only be displayed when verbose debugging is enabled for an SVC.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-FAILXCONN: Xconnect failed, [chars]

Explanation An internal software error occurred during installation of an SVC cross-connect.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-INVPNNIMSG: Invalid msg from routing/pnni : [chars]

Explanation This message indicates an error in the PNNI routing subsystem. It could be caused by an internal software error or by bad control information received from peer equipment. The message will contain additional information that can help locate the cause. Any message with “NULL” probably indicates a problem with this system; other messages probably point at the peer equipment.

Recommended Action Check this system and the peer equipment for any obvious errors. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%ATMSIG-3-NOCALLREF: Cannot find a Callref value to allocate: [chars]

Explanation An internal software error occurred, probably including memory exhaustion.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSIG-3-NOSVC: no SVC, [chars]
```

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

ATMSSCOP Error Messages

Service Specific Connection Oriented Protocol (SSCOP) error messages

Error Message

```
%ATMSSCOP-3-SSCOPERR: INIT SSCOP -  
Intf : [chars], Event : [chars], State : [chars]
```

Explanation A software error occurred in the ATM SSCOP subsystem.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%ATMSSCOP-5-SSCOPINIT: - Intf : [chars], Event : [chars], State : [chars].
```

Explanation This message indicates a routine step of the ATM SSCOP initialization sequence.

Recommended Action No action is required.

Error Message

```
%ATMSSCOP-4-UNMATCHUNIVERSION: ([chars]): [chars]. Please verify peer UNI version
```

Explanation The ATM peer equipment appears to be running an old version of ATM UNI. Communication with it is not possible.

Recommended Action The ATM peer equipment may need attention. Verify its UNI version is at least 3.1, and upgrade if necessary.

AUTORP Error Messages

PIMv2 AUTORP error messages

Error Message

%AUTORP-4-MANY_RPS: Many items in learned RP queue: [dec]

Explanation There are an abnormally large number of items in the RP queue. This could indicate that the system CPU is overloaded.

Recommended Action Reduce other system activity to ease processor demands. If conditions warrant, consider changes to the network architecture to handle more volume, including upgrading to a larger router.

Error Message

%AUTORP-5-MAPPING: RP for [int]/[dec] is now [int]

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AUTORP-4-PRM_DEL: Error expiring semi-static RP-mapping entry ([int]/[dec], RP:[int])

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AUTORP-2-RADIXINIT: Error initializing the Auto-RP radix tree

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%AUTORP-4-RADIXINSERT: Error inserting a new entry into the RP-mapping radix tree

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log. Issue the **show tech-support** command to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the **show tech-support** output, call your Cisco technical support representative and provide the representative with the gathered information.

BAP Error Messages

PPP Bandwidth Allocation Protocol error messages

Error Message

%BAP-4-NOSTATE: [chars] [chars] [chars] in illegal state [dec]

Explanation An internal software error occurred.

Recommended Action Call your technical support representative and report the error message, the system version, and the router configuration. (Use the **show version** command to obtain the software version.)

Error Message

%BAP-4-WAVL: Failed to initialize AVL tree, BAP not started

Explanation BAP will not be operational and will not be negotiated.

Recommended Action Call your technical support representative and report the error message, the system version, and the router configuration. (Use the **show version** command to obtain the software version.)

BGP Error Messages

Border Gateway Protocol error messages

Error Message

%BGP-3-ADDRROUTE: Unable to add route for [inet] to radix trie

Explanation An addition to the radix trie could not be completed because of an error.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%BGP-5-ADJCHANGE: neighbor [int] [chars] [chars]
```

Explanation A BGP neighbor has either come up or gone down. The message describes the change for it. This message appears only if the **log-neighbor-changes** command is configured for the BGP process.

Recommended Action This informational message normally appears as routers and BGP neighbors go up or down. However, unexpected neighbor loss might indicate high error rates or high packet loss in the network and should be investigated.

Error Message

```
%BGP-6-ASPATH: Invalid AS path [chars] received from [int]: [chars]
```

Explanation The remote BGP peer sent in an update with an invalid AS path.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%BGP-3-BADMASK: Attempt to install route for [int] without valid mask in [chars]
```

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%BGP-3-DELPATH: Attempted to delete path from an empty net for [inet]
```

Explanation A BGP path could not be deleted because of an error.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%BGP-3-DELROUTE: Unable to remove route for [inet] from radix trie
```

Explanation A deletion from the radix trie could not be completed because of an error.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BGP-2-INSUFMEM: Insufficient memory for [chars] entry

Explanation The requested operation could not be accomplished because of a low memory condition.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

%BGP-3-MAXPATHS: Too many parallel paths for [inet], maximum is [dec]

Explanation The number of parallel paths exceeds the configured limit.

Recommended Action Increase the number of parallel paths allowed.

Error Message

%BGP-4-MAXPFX: No. of prefix received from [int] reaches [dec], max [dec]

Explanation The number of prefixes received from a neighbor reached the warning limit.

Recommended Action Check the number of prefixes received from the neighbor and determine if the limit should be increased.

Error Message

%BGP-3-MAXPFXEXCEED: No. of prefix received from [int]: [dec] exceed limit [dec]

Explanation The number of prefixes received from a neighbor exceeds the configured limit.

Recommended Action Check the number of prefixes received from the neighbor and determine if the limit should be increased.

Error Message

%BGP-3-NEGCOUNTER: Prefix-accepted counter negative for peer [int], prefix [int]/[int]

Explanation The counter value for accepted prefixes is incorrect and less than zero.

Recommended Action This is a rare situation and is a result of an internal problem. Reset the session to correct it.

Error Message

%BGP-6-NEXTHOP: Invalid next hop ([int]) received from [int]: [chars]

Explanation The remote BGP peer sent in a route with an illegal next hop. The given route was ignored.

Recommended Action No action is required.

Error Message

%BGP-3-NOBITFIELD: Could not allocate bitfield. Cannot open session to [chars]

Explanation The allocation of a neighbor index for this neighbor failed because of a low memory condition.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

%BGP-2-NOMEMORY: No memory for [chars] entry, resetting

Explanation The requested operation could not be accomplished because of a low memory condition.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

%BGP-3-RADIXINIT: Radix trie initialization failed

Explanation Initialization of the radix trie could not be accomplished because of a low memory condition.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

BRI Error Messages

ISDN Basic Rate Interface error messages

Error Message

%BRI-1-INITFAIL: msgtxt_initfail

Explanation The hardware failed to initialize correctly.

Recommended Action Repair or replace the controller.

Error Message

%BRI-1-NOMEMORY: msgtxt_nomemory

Explanation The requested operation could not be accomplished because of a low memory condition.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message

```
%BRI-4-NOSWITCH: msgtxt_initfail
```

Explanation ISDN leased line requires an ISDN switch type configure.

Recommended Action Choose and configure a BRI switch type; if unsure, choose any switch.

BRIMUX Error Messages

AS5200 BRIMUX board error messages

Error Message

```
%BRIMUX-3-BADBRIMUX: Slot [dec] [chars]
```

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%BRIMUX-1-BADCODE: Software error: [chars]
```

Explanation An internal software error occurred.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%BRIMUX-3-BADDLACK: Slot [dec] BRIC, failed to acknowledge download data block [dec]
```

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

```
%BRIMUX-3-BADDPM: Slot [dec] DPM, test failed at offset 0x[hex], expect 0x[hex], read 0x[hex]
```

Explanation A BRIMUX board hardware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-3-BADULADDR: Slot [dec] BRIC, wrong upload address received 0x[hex], requested 0x[hex]

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-3-BADULBLK: Slot [dec] BRIC, wrong block [dec] for data upload, expect [dec]

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-3-BADULLEN: Slot [dec] BRIC, upload data length read [dec], truncate to [dec] bytes

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-3-BADULREQ: Slot [dec] BRIC, failed to send upload data block [dec]

Explanation A BRIMUX firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-5-CHANUPDOWN: B[dec] of BRI[dec] on slot [dec] BRIC, changed state to [chars]

Explanation A B-channel on the BRIMUX board changed state.

Recommended Action No action is required.

Error Message

%BRIMUX-4-HEARTBEAT: Slot [dec] BRIC, lost heartbeat for [dec] seconds

Explanation A BRIMUX board hardware or firmware problem may be present.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%BRIMUX-5-PORTUPDOWN: BRI[dec] on slot [dec] BRIC, changed state to [chars]

Explanation A port on the BRIMUX board changed state.

Recommended Action No action is required.

Error Message

%BRIMUX-5-UPDOWN: Slot [dec] BRIC, changed state to [chars]

Explanation A BRIMUX board changed state.

Recommended Action No action is required.

BSC Error Messages

Binary Synchronous Communications (Bisync) protocol error messages

Error Message

%BSC-3-BADLINESTATE: Line state Tx when receiving [chars] on line [chars]

Explanation An unexpected receive occurred during a transmission.

Recommended Action Verify that the line has been consistently defined with regard to the carrier. If the message is continuously reported, issue the **shut** and **no shut** commands to restart the bisynchronous interface in question.

Error Message

%BSC-3-BADPEERTYPE: Peer [chars] is incorrect type

Explanation This message occurs only when BSC local acknowledgment is configured. It indicates the serial interfaces that are using the BSTUN tunnel are configured incorrectly (both have been configured as a secondary).

Recommended Action Reconfigure the serial interfaces correctly to be a primary and secondary pair.

Error Message

%BSC-2-NOMEM: No buffers available on interface [chars]

Explanation This message indicates that memory in the router was exhausted.

Recommended Action Perform diagnostics on the router to locate the subsystem or interface responsible for consuming memory. The only method that will clear this situation is to reload the router.

BSTUN Error Messages

Block serial tunneling error messages

Error Message

%BSTUN-3-BADCONN: CONN: bad connection ([dec]), peer: [chars]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-BADLENOP: [chars]: bad len or unknown op, op [dec], len [dec]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-BADMAGIC: [chars]: wrong magic, mine [hex], theirs [hex] ([dec])

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-BADMAGICTCP: [chars]: peer [chars], wrong magic, mine [hex], theirs [hex]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-BADPASSIVEOPEN: passive open from [int]([dec]) - [dec] failed

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-CONNILSTATE: CONN: Peer [chars], illegal state [dec]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-6-CONNOPENFAIL: CONN: peer [chars] open failed, [chars] [[int]]

Explanation An attempt to connect to a remote TCP BSTUN peer failed.

Recommended Action Verify that the remote peer is accessible from this router, that it is running software capable of supporting BSTUN, and that it is configured correctly.

Error Message

%BSTUN-6-ERR: [chars]: [chars]: [chars], op [hex], len [dec]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-3-IFNOTSETUP: Could not setup interface for protocol [chars]

Explanation BSTUN was unable to start the interface for handling the specified protocol traffic.

Recommended Action If this message appears while you are configuring BSTUN, check for other system errors (such as no available memory in the router, or the interface shutting down). If no obvious problem can be detected, record all the displayed values and any other BSTUN error messages, and contact your technical support representative.

Error Message

%BSTUN-2-NOBUF: Interface [chars], no buffer available to [chars]

Explanation A memory shortage existed at the time that the configuration command was issued. This condition is rare and, under normal conditions, temporary.

Recommended Action Reconfigure the BSTUN group. If memory shortages persist, call your technical support representative for assistance.

Error Message

%BSTUN-3-NOGRPDEF: No bstun group defined on interface [chars]

Explanation An action was taken that requires the previous definition of a BSTUN group number.

Recommended Action Make sure **encapsulation bstun** and the **bstun group** have been defined for the interface.

Error Message

%BSTUN-3-NOPEER: No peer configured to route frame with destination address [chars] (bstun group [dec])

Explanation A BSTUN route has not been configured for the frame with a destination address.

Recommended Action If this message appears while you are debugging BSTUN, it indicates that no specific BSTUN route has been configured for the frames being received with the device address listed in the packet debug trace. You may choose to configure a BSTUN route, or ignore this message.

Error Message

%BSTUN-6-OPENED: [chars]: peer [chars] opened, [previous state [chars]]

Explanation A connection attempt to a remote peer completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is good, expected behavior.

Recommended Action No action is required.

Error Message

%BSTUN-6-OPENING: CONN: opening peer [chars], [dec]

Explanation A connection attempt to a remote peer completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is good, expected behavior.

Recommended Action No action is required.

Error Message

%BSTUN-6-PASSIVEOPEN: passive open [int]([dec]) - [dec]

Explanation A connection attempt to a remote peer completed successfully (OPENED, PASSIVE-OPEN) or is in the process of being opened (OPENING). This is good, expected behavior.

Recommended Action No action is required.

Error Message

%BSTUN-6-PEERSHUTDOWN: shutting down peer [chars] on [chars]

Explanation A connection to a remote peer is being shut down. This is typically the result of user intervention in BSTUN reconfiguration or disabling. This is good, expected behavior.

Recommended Action No action is required.

Error Message

%BSTUN-4-PEERSTATE: Peer [chars], wrong state [dec] ([dec])

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

%BSTUN-6-PROCEXIT: Process terminating. Due to signal [dec]. Subcode [dec].
Address [hex]

Explanation The BSTUN background process is terminating.

Recommended Action If this message appears while you are unconfiguring BSTUN, no action is required. Otherwise, record all the displayed values and any other BSTUN error messages, and contact your technical support representative.

Error Message

%BSTUN-6-RECONNECT: PHDR: reconnect from peer [chars]

Explanation A remote peer reestablished a connection to this router.

Recommended Action No action is required.

Error Message

%BSTUN-3-SENDPUNT: [chars]: sent [chars] to [chars]

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%BSTUN-4-SENDPUNTTCP: [chars]: sent [chars] to ([[int]])[int]
```

Explanation An internal software error occurred.

Recommended Action If the message recurs, copy the error message exactly as it appears on the console or in the system log, and report it to your Cisco technical support representative.

Error Message

```
%BSTUN-6-TCPFINI: peer [chars] closed [previous state [chars]]
```

Explanation A remote peer closed a BSTUN connection with this router.

Recommended Action Examine the other router to see why it closed this connection with this peer. This can be caused by normal events (such as reconfiguration).

Error Message

```
%BSTUN-6-TCPPEERSHUT: [chars] [chars], [int]([dec])
```

Explanation This route closed a BSTUN connection with a remote peer.

Recommended Action Examine this router to see why it closed this connection with this peer. This can be caused by normal events (such as reconfiguration).

Error Message

```
%BSTUN-3-UNKPROTOEV: Unknown protocol event [dec] on interface [chars]
```

Explanation An event passed to the BSTUN layer for processing could not be decoded.

Recommended Action Perform a hard restart on the indicated interface.

C1600 Error Messages

Cisco 1600 platform error messages

Error Message

```
%C1600-4-BADINTFC: Interface [dec], (0-1 Onboard interfaces 2=WIC) Invalid interface (Unknown, Uninitialized or Bad Cookie value read)
```

Explanation Your router is functional. However, there is an interface that the software does not recognize.

Recommended Action Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

Error Message

%C1600-4-INTFCNOFLH: Unable to load images or communicate over interface

Explanation The operation might have failed because of a transient network problem.

Recommended Action Retry the operation. If the problem persists, call your technical support representative for assistance.

