



Error and Event Messages

This appendix lists the CLI error and event messages. [Table D-1](#) lists the errors and events and provides an explanation and recommended action for each message.

Table D-1 Error and Event Messages

Message	Explanation	Recommended Action
Software Auto Upgrade Messages		
SW_AUTO_UPGRADE-FATAL: Attempt to upgrade software failed, software on Flash may be deleted. Please copy software into Flash.	Auto upgrade of the software failed. The software on the Flash memory might have been deleted. Copy software into the Flash memory.	Copy software before rebooting the unit.
SW_AUTO_UPGRADE-7-FAILURE: dhcp_client_start_stop failed	Auto upgrade of the software failed due to error in starting/stopping DHCP client process.	Copy the error message exactly as it appears and report it to your technical support representative.
SW_AUTO_UPGRADE-7-FAILURE: Failed to obtain ip addr from dhcp server	Auto upgrade of the software failed.	Copy the error message exactly as it appears and report it to your technical support representative.
SW_AUTO_UPGRADE-7-FAILURE: boot_file_pathent creation failed	Auto upgrade of the software failed due to error in creation of pathent (internal data structure).	Copy the error message exactly as it appears and report it to your technical support representative.
Association Management Messages		
DOT11-3-BADSTATE: [mac-address] [chars] [chars] -> [chars]	802.11 Association and management uses a table-driven state machine to keep track and transition an Association through various states. A state transition occurs when an Association receives one of many possible events. When this error occurs, it means that an Association received an event that it did not expect while in this state.	The system can continue but may lose the Association that generates this error. Copy the message exactly as it appears and report it to your technical service representative.
DOT11-6-ASSOC: Interface [interface], Station [char] [mac] Associated	A station associated to an access point.	None.
DOT11-6-ADD: Interface [interface], Station [mac] Associated to Parent [mac]	A station associated to an access point.	None.

Table D-1 Error and Event Messages (continued)

Message	Explanation	Recommended Action
DOT11-6-DISASSOC: Interface [interface], Deauthenticating Station [mac] [char]	A station disassociated from an access point.	None.
DOT11-6-ROAMED: Station [mac-address] Roamed to [mac-address]	A station has roamed to a new access point.	None.
Proxy Mobile IP Subsystem Messages		
PMIP-3-REG_FAIL: Mobile Node 10.4.1.3 mobile ip registration failed	When a mobile node (MN) moves to a foreign network, the access point registers the MN to its Home Agent. This message indicates that the registration failed.	Check for correct configuration of Mobile IP agents and the access point.
PMIP-3-REG_AUTH_FAIL: Mobile Node 10.4.1.3 registration failed due to authentication failure	When a mobile node (MN) moves to a foreign network, the access point registers the MN to its Home Agent. This message indicates that the registration failed because the HA or FA failed to authenticate each other or the MN.	Make sure the correct authentication information is configured on the Home Agent, the Foreign Agent, and the access point.
PMIP-3-REG_FA_FAIL: Mobile Node 10.4.1.3 registration failed due to Foreign Agent denial	When a Mobile node (MN) moves to a foreign network, the access point registers the MN to its Home Agent. This message indicates that the registration was denied by the Foreign Agent.	Make sure the correct authentication information is configured on the Home Agent, the Foreign Agent, and the access point.
PMIP-3-REG_HA_FAIL: Mobile Node 10.4.1.3 registration failed due to Home Agent denial	When a Mobile node (MN) moves to a foreign network, the access point registers the MN to its Home Agent. This message indicates that the registration was denied by the Home Agent.	Make sure the correct authentication information is configured on the Home Agent, the Foreign Agent, and the access point.
PMIP-3-AUTH_UNAVAIL: Authentication for 10.4.1.3 unavailable	Proxy Mobile IP failed to obtain the Mobile Node's authentication information either locally or from a AAA server.	Make sure the correct Mobile Node information is configured locally or on the AAA server.
PMIP-3-HAFA_UNAVAIL: No response from the Mobile IP Agent to our registration requests	Proxy Mobile IP failed to access the Home or Foreign Agent while trying to register the Mobile Node.	Make sure the HA or FA is not down or is network inaccessible. Also check that the subnet map information regarding the Home Agent is correct.
PMIP-6-HAFA_DOWN: Mobile IP Agent 10.4.1.1 is down or unavailable	Mobile IP Home or Foreign agent has gone down or is inaccessible to the access point.	Make sure there is at least one Home and Foreign Agent configured on that subnet and is accessible to the access point.
PMIP-3-AAP_UNAVAIL: Authoritative Access Point is unavailable	The authoritative access point cannot be reached to obtains subnet map table.	Make sure all the access points have the same information regarding Authoritative and regular access points.
PMIP-6-START: Proxy Mobile IP services has started	Proxy Mobile IP service has started.	None.

Table D-1 Error and Event Messages (continued)

Message	Explanation	Recommended Action
PMIP-6-STOP: Proxy Mobile IP services have stopped	Proxy Mobile IP service has stopped.	None.
PMIP-6-REPEATER_STOP: AP is now operating as a repeater, disabling Proxy Mobile IP services	Proxy Mobile IP does not run on repeaters or workgroup bridges, and it is disabled automatically when the access point is in repeater mode.	None.
Unzip Messages		
SOAP-4-UNZIP_OVERFLOW: Failed to unzip Flash:/c1200-k9w7-mx.122-3.6.JA1/html/level15/ap_XXX.htm.gz, exceeds maximum uncompressed html size	The HTTP server cannot retrieve a compressed file in response to an HTTP GET request because the size of the file is too large for the buffers used in the uncompression process.	Make sure file is a valid HTML page. If so, you'll have to copy an uncompressed version of the file into Flash to retrieve it through HTTP.
802.11 Subsystem Messages		
DOT11-6-FREQ_INUSE: Radio frequency [int] is in use	When scanning for an unused frequency, the unit recognized another radio using the displayed frequency.	None.
DOT11-6-FREQ_USED: Radio frequency [int] selected	After scanning for an unused frequency, the unit selected the displayed frequency.	None.
DOT11-4-VERSION_MISMATCH: Require radio version [hex].[int], found version [hex].[int]	When starting the radio, the wrong firmware version was found. The radio will be loaded with the required version.	None.
DOT11-2-VERSION_INVALID: Unable to find required radio version [hex].[int]	When trying to re-flash the radio firmware, the access point recognized that the radio firmware packaged with the Cisco IOS software had the incorrect version.	None.
DOT11-4-NO_SSID: No SSIDs configured, radio not started	All SSIDs were deleted from the configuration. At least one must be configured for the radio to run.	Configure at least one SSID on the access point.
DOT11-4-FLASHING_RADIO: Flashing the radio firmware ([chars])	The radio has been stopped to load new firmware.	None.
DOT11_4_LOADING_RADIO: Interface [interface] loading the radio firmware ([chars])	The radio has been stopped to load new firmware.	None.
DOT11-2-NO_FIRMWARE: No radio firmware file ([chars]) was found	When trying to Flash new firmware into the radio, the file for the radio was not found in the Flash file system.	The wrong image has been loaded into the unit. Locate the correct image based on the type of radio used.
DOT11-2-BAD_FIRMWARE: Radio firmware file ([chars]) is invalid	When trying to Flash new firmware into the radio, the file was found to be invalid.	Put the correct firmware image file in the place where the unit is looking.
DOT11-4-FLASH_RADIO_DONE: Flashing the radio firmware completed	The radio firmware Flash is complete, and the radio will be restarted with the new firmware.	None.

Table D-1 Error and Event Messages (continued)

Message	Explanation	Recommended Action
DOT11-4-LINK_DOWN: Radio parent lost: [chars]	The connection to the parent access point was lost for the displayed reason. The unit will try to find a new parent access point.	None.
DOT11-4-CANT_ASSOC: Cannot associate: [chars]	The unit could not establish a connection to a parent access point for the displayed reason.	Check the configuration of both the parent access point and this unit to make sure the basic settings (SSID, WEP, and others) match.
DOT11-4-MAXERTRIES: Packet to client [mac] reached max retries, remove the client	A packet sent to the client has not been successfully delivered many times, and the max retries limit has been reached. The client is deleted from the association table.	None.
DOT11-3-RF_LOOPBACK_FAILURE: Radio failed to pass RF loopback test at freq [frequency]	Radio loopback test failed at a given frequency.	None.
DOT11_CCKM_AUTH_FAILED: Station [mac-address] CCKM authentication failed	The station failed CCKM authentication.	Check the topology of the access points configured to use the WDS access point.
Inter-Access Point Protocol Messages		
DOT11-6-ROAMED: Station [mac-address] Roamed to [mac-address]	A station has roamed to a new access point.	None.
DOT11-6-STANDBY_ACTIVE: Standby to Active, Reason = [chars] ([int])	The access point is transitioning from standby mode to active mode.	None.
DOT11-6-ROGUE_AP: Rogue AP [mac-address] reported. Reason: [chars]	A station has reported a potential rogue access point for the stated reason.	None.
SCHED-3-UNEXPECTEDMESSAGE: Unknown message [hex] received (ptr arg [hex], num arg [hex]).	A process can register to be notified when various events occur in the router. This message indicates that a process received a message from another process that it does not know how to handle.	Copy the error message exactly as it appears, and report it to your technical support representative.
SCHED-3-UNEXPECTEDEVENT: Process received unknown event (maj [hex], min [hex]).	A process can register to be notified when various events occur in the router. This message indicates that a process received an event that it did not know how to handle.	Copy the error message exactly as it appears, and report it to your technical support representative.
DOT11_STANDBY_REQUEST: Hotstandby request to shut down radios from [mac-address]	A standby access point has requested this access point to shut down its radio interfaces because a failure has been detected on one of this access point's radio interfaces.	None.

Table D-1 Error and Event Messages (continued)

Message	Explanation	Recommended Action
Radio Diagnostic Messages		
DOT11_RM_INCAPABLE: Interface [interface]	This interface has been requested to send a radio management request, but this interface does not support radio management.	None.
DOT11_RM_INCORRECT_ INTERFACE: Invalid interface, either not existing or non-radio	This interface has been requested to send a radio management request, but this interface either does not exist or is not a radio interface.	None.

