



Caveat List for Cisco IOS Release 12.2(33)SCD

This chapter describes open and resolved severity 1 and 2 caveats and select severity 3 caveats:

- The “Open Caveats” sections list open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.
- The “Resolved Caveats” sections list caveats resolved in a specific release, but open in previous releases.

The bug IDs are sorted alphanumerically.



Note

The Caveats section includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a specific caveat you must use the Bug Search Tool.

Cisco Bug Search

Cisco Bug Search Tool (BST), the online successor to Bug Toolkit, is designed to improve effectiveness in network risk management and device troubleshooting. You can search for bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. For more details on the tool, see the help page located at <http://www.cisco.com/web/applicat/cbsshelp/help.html>.

Open Caveats—Cisco IOS Release 12.2(33)SCD8

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCsI50133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsm10121	IOS DHCP Client incorrectly populates message-type option in DHCP lease query. The message-type option is set to 0x0d (DHCPLEASEACTIVE) instead of being set to 0x0a (DHCPLEASEQUERY).
CSCtb52191	Uptime counters do not to work on certain combination cards.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).

Bug ID	Description
CSCte57149	The PRE crashes due to an address error in the BGP function.
CSCte67373	The router crashes after running the ios_bgp_mtr1 TC 8
CSCte68994	After the line card switchover, the newly active line card takes a long time to come up.
CSCtf27303	The router sends Multiprotocol Unreachable Network Layer Reachability Information (MP_UNREACH_NLRI) in non-negotiated AF IPv6 unicast.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf40289	The BGP session configured for Nonstop Routing (NSR) fails to synchronize with standby route processor.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf64231	Inbound route-map change should not be immediately effective until a user exits the route-map configuration mode.
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtg16155	A filesystem device does not display after the TEST_MULTIPLE_FUNCS.
CSCtg60088	Withdrawals are not generated when a VPN Routing and Forwarding (VRF) configuration is added or deleted.
CSCtg79258	Withdrawals are not generated when configuring the no neighbor default-originate command.
CSCti02678	Cisco's Express Forwarding(CEF) technology for IP(IPCEF) can be disabled on the Cisco uBR7200 series router.
CSCti24985	The pppoe enable command has no effect on an Integrated Cable (IC) interface.
CSCti25014	The pppoe max-sessions configuration on the cable interface is not added to the running-config.
CSCti25027	Difference in the pppoe limit max value between vpdn-group and bba-group results in an error.
CSCti77209	CPUHOG messages may be seen when SNMP polling is performed with load balancing enabled.
CSCtj04334	Management interface on Fast Ethernet 0/2 is not accessible.
CSCtj73861	The Port Adapters and the Cisco uBR-MC88V line cards are up at the same time.
CSCtj74026	Dual-stack CPE is denied IPv6 address acquisition when max-cpe is set to 1 on the CMTS.
CSCtj79144	SNMP linkdown trap is not sent after removing wideband interface configuration on the Cisco uBR-MC88V cable line card.

Bug ID	Description
CSCtj79390	There is inconsistent used/total bytes counter value between IPDR and MIB for the integrated cable interface.
CSCtj87847	Phy static-mcast should be configured on fwd_intf for static-mcast TLV.
CSCtj92331	The attributes docsIf3MdChCfgChId, docsIf3MdChCfgIsPriCapableDs and docsIf3MdChCfgSfProvAttrMask cannot be set through the MIB.
CSCtj94466	The acceptance range of some SBNMP nodes of which the SYNTAX type is "BITS" is incorrect.
CSCtj96124	CPE address not displayed in the modem database although they are active and there is no loss of IP connectivity.
CSCtj96616	The attribute ccwBRFChannelStorageType cannot be set to value volatile(2).

Closed Caveats—Cisco IOS Release 12.2(33)SCD8

Bug ID	Description
CSCec04534	The privilege exec level 1 show interfaces command causes CPU utilization at the show run and write memory commands.
CSCtc49858	Users with lower privilege levels than enable access may not be able to execute some show cable command options.
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtg99339	Cisco CMTS crashes due to memory corruption when BPI is enabled.
CSCth78149	Unable to set downstream description on a wideband interface.
CSCth89308	There is a delay of Cisco uBR10012 route processor or cable line card to detect a IPC keepalive timeout condition, which in turn causes the delay of IPC recovery actions that are triggered by the detect.
CSCti48483	<p>The Cisco IOS Software network address translation (NAT) feature contains multiple denial of service (DoS) vulnerabilities in the translation of the following protocols:</p> <ul style="list-style-type: none"> • NetMeeting Directory (Lightweight Directory Access Protocol, LDAP) • Session Initiation Protocol (Multiple vulnerabilities) • H.323 protocol <p>All the vulnerabilities described in this document are caused by packets in transit on the affected devices when those packets require application layer translation. Cisco has released free software updates that address these vulnerabilities.</p> <p>This advisory is posted at http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-nat.</p>

Bug ID	Description
CSCti98219	<p>The Cisco IOS Software network address translation (NAT) feature contains multiple denial of service (DoS) vulnerabilities in the translation of the following protocols:</p> <ul style="list-style-type: none"> • NetMeeting Directory (Lightweight Directory Access Protocol, LDAP) • Session Initiation Protocol (Multiple vulnerabilities) • H.323 protocol <p>All the vulnerabilities described in this document are caused by packets in transit on the affected devices when those packets require application layer translation. Cisco has released free software updates that address these vulnerabilities.</p> <p>This advisory is posted at http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-nat.</p>
CSCtj93782	Inconsistent per upstream and per CM Carrier-to-noise ratio (CNRs) are observed on Cisco UBR-MC20X20V and Cisco uBR-MC8X8 line cards.
CSCtj99978	Incorrect classification of Business Services over DOCSIS (BSoD) traffic was observed in the downstream service flows, based on the dot1q encapsulation.
CSCtk15044	Layer 3 multicast module receive MLD report even if multicast authorization is denied at cable level.
CSCtl03946	Delayed downstream traffic is observed.
CSCtl04405	The CMTS assigns cable modems to Restricted Load Balance Groups (RLBGs) to which the cable modem is not physically connected to.
CSCtl57115	RTP loss or audio quality problem is observed with PacketCable MultiMedia (PCMM) PRI over DOCSIS solution with two stage commit and when more than 50000 calls are made.
CSCtl81115	Incorrect information in logged in SAMIS log file.
CSCtl84508	The show inventory command does not display the PSU serial number and the VID.
CSCtn41114	The TCP throughput for the Cisco uBR-MC88V with NPE-G2 is lower than that observed on the Cisco UBR-MC20X20V.
CSCtn41225	The IPC port disappears and error messages are displayed on the Cisco CMTS.
CSCto25075	The default MQoS queue is not used in multicast service flow configuration after removing QoS from DOCSIS Set-Top Gateway (DSG) tunnel.
CSCtq09449	Cisco CMTS boot fails causing PRE4 crash when On Board Failure Logging (OBFL) feature is enabled.
CSCtr13108	When configuring Service Independent Intercept (SII) with cTap2MediationSrcInterface value in MAC mode, the value is completely ignored and the source IP is always the egress interface's IP towards the MAC Domain.

Open Caveats—Cisco IOS Release 12.2(33)SCD7

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCs150133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsm10121	IOS DHCP Client incorrectly populates message-type option in DHCP lease-query. The message-type option is set to 0x0d (DHCPLEASEACTIVE) instead of being set to 0x0a (DHCPLEASEQUERY).
CSCtb52191	Uptime counters do not to work on certain combination cards.
CSCtc49858	Users with lower privilege levels than enable access may not be able to execute some show cable command options.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).
CSCte57149	The PRE crashes due to an address error in the BGP function.
CSCte67373	The router crashes after running the ios_bgp_mtr1 TC 8
CSCte68994	After the line card switchover, the newly active line card takes a long time to come up.
CSCtf27303	The router sends Multiprotocol Unreachable Network Layer Reachability Information (MP_UNREACH_NLRI) in non-negotiated AF IPv6 unicast.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf40289	The BGP session configured for Nonstop Routing (NSR) fails to synchronize with standby route processor.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf64231	Inbound route-map change should not be immediately effective until a user exits the route-map configuration mode.
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtg16155	A filesystem device does not display after the TEST_MULTIPLE_FUNCS.
CSCtg60088	Withdrawals are not generated when a VPN Routing and Forwarding (VRF) configuration is added or deleted.
CSCtg79258	Withdrawals are not generated when configuring the no neighbor default-originate command.
CSCth78149	Unable to set downstream description on a wideband interface.

Bug ID	Description
CSCth89308	There is a delay of Cisco uBR10012 route processor or cable line card to detect a IPC keepalive timeout condition, which in turn causes the delay of IPC recovery actions that are triggered by the detect.
CSCti02678	Cisco's Express Forwarding (CEF) technology for IP (IP CEF) can be disabled on the Cisco uBR 7200 series router.
CSCti24985	"pppoe enable" has no effect on an Integrated Cable (IC) interface.
CSCti25014	The "pppoe max-sessions" configuration on the cable interface is not added to the running-config.
CSCti25027	Difference in the pppoe limit max value between vpdn-group and bba-group results in an error.
CSCti77209	CPUHOG messages may be seen when SNMP polling is performed with loadbalancing enabled.
CSCtj04334	Management interface on Fast Ethernet 0/2 is not accessible.
CSCtj73861	The Port Adapters and the Cisco uBR-MC88V line cards are up at the same time.
CSCtj74026	Dual-stack CPE is denied IPv6 address acquisition when max-cpe is set to 1 on the CMTS.
CSCtj79144	SNMP linkdown trap is not sent after removing wideband interface configuration on the Cisco uBR-MC88V cable line card.
CSCtj79390	There is inconsistent used/total bytes counter value between IPDR and MIB for the integrated cable interface.
CSCtj86115	IOS mroute entry may not be deleted even when the last CPE member "left".
CSCtj87847	Phy static-mcast should be configured on fwd_intf for static-mcast TLV.
CSCtj92331	The attributes docsIf3MdChCfgChId, docsIf3MdChCfgIsPriCapableDs and docsIf3MdChCfgSfProvAttrMask cannot be set through the MIB.
CSCtj94466	The acceptance range of some SBNMP nodes of which the SYNTAX type is "BITS" is incorrect.
CSCtj96124	CPE address not displayed in the modem database although they are active and there is no loss of IP connectivity.
CSCtj96616	The attribute ccwbrFChannelStorageType cannot be set to value volatile(2).
CSCtk15044	Layer 3 multicast module receive MLD report even if multicast authorization is denied at cable level.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD7

Bug ID	Description
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtj99978	Incorrect classification of Business Services over DOCSIS (BSoD) traffic was observed in the downstream service flows, based on the dot1q encapsulation.

Bug ID	Description
CSCtI04405	The CMTS assigns cable modems to Restricted Load Balance Groups (RLBGs) to which the cable modem is not physically connected to.
CSCtI57115	RTP loss or audio quality problem is observed with PacketCable MultiMedia (PCMM) PRI over DOCSIS solution with two stage commit and when more than 50000 calls are made.
CSCtn41114	The TCP throughput for the Cisco uBR-MC88V with NPE-G2 is lower than that observed on the Cisco UBR-MC20x20V.

Open Caveats—Cisco IOS Release 12.2(33)SCD6

Bug ID	Description
CSCeH33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCsI50133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsm10121	IOS DHCP Client incorrectly populates message-type option in DHCP leasequery. The message-type option is set to 0x0d (DHCPLEASEACTIVE) instead of being set to 0x0a (DHCPLEASEQUERY).
CSCtb52191	Uptime counters do not to work on certain combination cards.
CSCtc49858	Users with lower privilege levels than enable access may not be able to execute some show cable command options.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).
CSCte57149	The PRE crashes due to an address error in the BGP function.
CSCte67373	The router crashes after running the <code>ios_bgp_mtr1 TC 8</code>
CSCte68994	After the line card switchover, the newly active line card takes a long time to come up.
CSCtf27303	The router sends Multiprotocol Unreachable Network Layer Reachability Information (MP_UNREACH_NLRI) in non-negotiated AF IPv6 unicast.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf40289	The BGP session configured for Nonstop Routing (NSR) fails to synchronize with standby route processor.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf64231	Inbound route-map change should not be immediately effective until a user exits the route-map configuration mode.

Bug ID	Description
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtg16155	A filesystem device does not display after the TEST_MULTIPLE_FUNCS.
CSCtg60088	Withdrawals are not generated when a VPN Routing and Forwarding (VRF) configuration is added or deleted.
CSCtg79258	Withdrawals are not generated when configuring the no neighbor default-originate command.
CSCth78149	Unable to set downstream description on a wideband interface.
CSCth89308	There is a delay of Cisco uBR10012 route processor or cable line card to detect a IPC keepalive timeout condition, which in turn causes the delay of IPC recovery actions that are triggered by the detect.
CSCti02678	Cisco's Express Forwarding (CEF) technology for IP (IP CEF) can be disabled on the Cisco uBR 7200 series router.
CSCti24985	The pppoe enable configuration has no effect on an Integrated Cable (IC) interface.
CSCti25014	The pppoe max-sessions configuration on the cable interface is not added to the running-config.
CSCti25027	Difference in the pppoe limit max value between vpdn-group and bba-group results in an error.
CSCti77209	CPUHOG messages may be seen when SNMP polling is performed with loadbalancing enabled.
CSCti87411	The router crashes when the route processor is reloaded using issu commitversion command.
CSCtj04334	Management interface on Fast Ethernet 0/2 is not accessible.
CSCtj73861	The Port Adapters and the Cisco uBR-MC88V line cards are up at the same time.
CSCtj74026	Dual-stack CPE is denied IPv6 address acquisition when max-cpe is set to 1 on the CMTS.
CSCtj79144	SNMP linkdown trap is not sent after removing wideband interface configuration on the Cisco uBR-MC88V cable line card.
CSCtj79390	There is inconsistent used/total bytes counter value between IPDR and MIB for the integrated cable interface.
CSCtj86115	IOS mroute entry may not be deleted even when the last CPE member "left".
CSCtj87847	Phy static-mcast should be configured on fwd_intf for static-mcast TLV.
CSCtj92331	The attributes docsIf3MdChCfgChId, docsIf3MdChCfgIsPriCapableDs and docsIf3MdChCfgSfProvAttrMask cannot be set through the MIB.
CSCtj94466	The acceptance range of some SBNMP nodes of which the SYNTAX type is "BITS" is incorrect.
CSCtj96124	CPE address not displayed in the modem database although they are active and there is no loss of IP connectivity.
CSCtj96616	The attribute ccwBRFChannelStorageType cannot be set to value volatile(2).

Bug ID	Description
CSCtj99978	Incorrect classification of Business Services over DOCSIS (BSoD) traffic was observed in the downstream service flows, based on the dot1q encapsulation.
CSCtk15044	Layer 3 multicast module receive MLD report even if multicast authorization is denied at cable level.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD6

Bug ID	Description
CSCsg92743	Cisco CMTS router crashes when the show buffers usage command is executed repeatedly.
CSCsv21109	High capacity (HC) counters for the member links of port channels are missing in the IF-MIB.
CSCsw77313	The login command, in exec configuration mode, allows an already logged in user to change the username that is reported for the active session.
CSCsw92379	The active and standby route processors crash when DHCP snooping bindings are released after a line card OIR.
CSCsx22124	Static routes configured in the startup config do not take into effect till the router is re-configured.
CSCsx34615	Multicast ping works only for first few seconds when a tunnel is created.
CSCsz61595	The login on-failure command does not log the failed username consistently.
CSCtb79237	No syslog or SNMP trap is generated when Common Open Policy Service (COPS) process is used causing PacketCable to fail.
CSCtc50579	Modems do not come online on the downstream port.
CSCtd10712	<p>The Cisco IOS Software network address translation (NAT) feature contains multiple denial of service (DoS) vulnerabilities in the translation of the following protocols:</p> <ul style="list-style-type: none"> • NetMeeting Directory (Lightweight Directory Access Protocol, LDAP) • Session Initiation Protocol (Multiple vulnerabilities) • H.323 protocol <p>All the vulnerabilities described in this document are caused by packets in transit on the affected devices when those packets require application layer translation. Cisco has released free software updates that address these vulnerabilities.</p> <p>This advisory is posted at http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-nat.</p>
CSCte71997	When call volume is high, and numerous stop records are being generated by CMTS, it is observed that an invalid XML file gets generated occasionally.
CSCte77114	The wideband CM number shown in the show cable mac-domain Cx/y/z rcc command output is incorrect.
CSCtf33251	The show hccp command does not return any result though HCCP redundancy is configured in the running-configuration.

Bug ID	Description
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtg01063	Static ARP entries not displayed in the running configuration of the Cisco uBR7246XR router.
CSCtg21793	Maximum Transmission Unit (MTU) size is not inherited by the subinterfaces on the Gigabit Ethernet VLAN.
CSCtg64597	Active RP crashes due to bad chunk reference count.
CSCth25966	The static multicast configuration on the integrated-cable interface on slot 1 of the line card is missing after an OIR.
CSCth29978	The UBR-MC8X8V line card unexpectedly reloads when unconfiguring the MAC domain configured on a wrong port number.
CSCth49196	ARP replies to the customer premises equipment (CPE) are dropped by Cisco CMTS causing the CPEs to be unreachable.
CSCth63706	On the Cisco uBR-MC88V cable line card, modems go offline on the integrated cable interface when unconfiguring the MAC domain configuration with the wrong port number.
CSCth69364	Cisco IOS Software contains a memory leak vulnerability in the Data-Link Switching (DLSw) feature that could result in a device reload when processing crafted IP Protocol 91 packets. Cisco has released free software updates that address this vulnerability. This advisory is posted at http://tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20110928-dlsw .
CSCth71637	SNMP query on empty docsQosPktClassEntry/docsQos3PktClassEntry/docsIetfQosPktClassEntry takes a long time to return results.
CSCti00484	The wrong ARP entry is removed.
CSCti03293	ifSpeed returns actual data instead of raw data on the integrated-cable interface/modular-cable interface.
CSCti04281	The ISSU CLC-CHANGEVERSION is delayed if the protect line card is active.
CSCti09814	Continuous query for spectrum data through CBT or SNMP returns fftbusy.
CSCti19280	The FFT engine is not updated with the CNR threshold values if a change is made either in the CLI or the SNMP interface to the CNR threshold profile for a given upstream.
CSCti22081	The (*,G) entry is generated while configuring Source Specific Multicast (SSM) mapping.
CSCti58738	The Cisco CMTS router crashes after getting the doubly-linked list corruption message.
CSCti81896	When the ingress cancellation feature is enabled, all modems on an upstream may momentarily go offline and then recover within minutes.
CSCti95777	Non-Cisco cable modems are stuck in reject(pk) mode if the Cisco uBR-MC88V cable interface line card rejects the certificate.
CSCtj06301	The Cisco uBR-MC88V cable interface line card may crash on cmts_mc88u_handle_pre_reg_us_data.

Bug ID	Description
CSCtj37742	%SYS-4-CPURESRISE and %SYS-6-CPURESFALLING messages are generated on Cisco uBR10-MC28U and Cisco uBR-MC88V line cards.
CSCtj44598	A cable modem is unable to register online if an unknown TLV is included in the registration request.
CSCtj52348	The route processor crashes with Cisco uBR-MC88V and Cisco uBR10-MC28U line cards in the Cisco uBR7246 chassis.
CSCtj90133	The NPE-G2 Checksum Error in file is copied to disk2.

Open Caveats—Cisco IOS Release 12.2(33)SCD5

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco CMTS router.
CSCsl50133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsz36328	Cable modems remain in online (pk) and expired states after cable privacy mandatory command is executed.
CSCta16724	Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP) operation on a router running Cisco IOS Release 12.4(24)T.
CSCtb46194	A Cisco router may report memory leaks on the active RP when cable igmp static-group command is executed during OIR of the cable line card on a Cisco uBR7200 series router.
CSCtb79237	No syslog or SNMP trap is generated when Common Open Policy Service (COPS) process is used causing PacketCable to fail.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc50579	Modems do not come online on the downstream port.
CSCtc58334	The output of the show cable qos enforce-rule command displays only the first nine characters of the service class names.
CSCtc63102	When IPv6 CPE gets dual-stack online and the CPE network interface is disabled and enabled frequently, the show CPE command on the CMTS for the CPE may not show the IPv4 portion of the dual-stack CPE.
CSCtc97468	The multicast service flow (SF) is not generated for static multicast sessions on a Cisco UBR-MC20X20V cable interface line card when the shutdown and no shutdown commands are executed on the cable interface of the card without a delay.
CSCtd04983	The Network Processing Engine (NPE) crashes at <code>cmts_bundle_find_mcst_mac</code> when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.

Bug ID	Description
CSCtd48609	The ccm ipv6_address rcs-counts command clears all the rcs-counts of all the cable modems instead of clearing the ipv6_address specified for the cable modem rcs-counts.
CSCtd57276	The rcs-status of the cable modem is not updated when IGMP triggers Dynamic Bonding Channel (DBC).
CSCtd69497	Static groups and sessions are not created when static multicast groups and source addresses exist in a cable modem configuration file.
CSCtd71335	Memory leak is observed on a Cisco uBR10012 and a Cisco uBR7200 series router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd77944	Legacy (non-DOCSIS 3.0) cable modems may fail to get online on the CMTS if the MAC Domain Descriptor (MDD) Ip-Init Type Length Value (TLV) is configured for IPv6 or dual-stack mode.
CSCtd90685	Modems cannot move out of penalty using the Subscriber Traffic Management (STM) enforce rule when the parameters configured in the modem configuration file override the reg service class of the STM.
CSCtd90790	The line card crashes when a cable modem configuration file with the Nominal-GrantInterval value is set to less than 1000.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).
CSCte09146	PRC_CONFIG_CHANGE is returned instead of PRC_CONFIG_NO_CHANGE when the cable admission-control ds-bandwidth and cable admission-control us-bandwidth commands are executed.
CSCte10266	The fiber node upstream frequency status remains unchanged when the upstream connector is either configured or unconfigured.
CSCte36746	The "ARP-3-STCKYARPOVR: Attempt to overwrite Sticky ARP entry" is logged at a higher severity level of ERROR instead of LOG_NOTICE.
CSCte37300	Spurious memory access and tracebacks are observed when clear cable modem all reset command is executed.
CSCte37779	The multicast-sessions are not created for a bundle interface.
CSCte42924	When the show tech command is executed, the line card is powered off if the Onboard Failure Logging (OBFL) feature is disabled.
CSCte51580	The CMTS forwards traffic when static mulitcast is provisioned via a modem configuration.
CSCte71997	When call volume is high, and numerous stop records are being generated by CMTS, it is observed that an invalid XML file gets generated occasionally.
CSCte79637	The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers, when a cable modem configuration file contains both the IPv4 fields and the IPv6 fields in one DOCSIS QoS classifier.
CSCte97814	Memory leak is observed on the Cisco CMTS during bootup. This is observed on the Border Gateway Protocol table.
CSCtf29062	When a new IPv4 multicast host is created on the CMTS, the error cleanup is not performed properly.

Bug ID	Description
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf56634	Sporadic unreliability was observed in the CMTS client database for IPv6.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtf95826	An aggregate-address nvgens (nonvolatile generation) the wrong mask for a non-contiguous or an incorrect mask.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01063	Static ARP entries not displayed in the running configuration of the Cisco uBR7246XR router.
CSCtg10082	TFTP fails for a dual-stacked cable modem when the Dynamic Message Integrity Check (DMIC) feature is enabled on the CMTS with the lock option.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
CSCtg37017	Unexpected end of configuration file message is seen during bootup or reset of line card on the Cisco uBR10012 and the Cisco uBR7200 router.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg52567	The show running-config command displays the penalty-period 10080 command when the default value of 10080 is configured.
CSCtg60350	The IPv6 entries for the client is not deleted when a modem or CPE is deleted from the CMTS.
CSCtg64597	An active RP crashes due to bad chunk reference count.
CSCtg83560	Invalid Upstream Channel ID traceback is observed on Cisco CMTS.
CSCth24131	The show context summary command always reports null crashes when there are crashes on the cable line card.

Bug ID	Description
CSCth25966	The static multicast configuration on the integrated-cable interface on slot 1 of the line card is missing after an OIR.
CSCth27142	The “%ALIGN-3-SPURIOUS” error was seen at cmts_adjust_eae_bpi_bond_index during a Cisco CMTS bootup.
CSCth29978	The UBR-MC8X8V line card unexpectedly reloads when unconfiguring the MAC domain configured on a wrong port number.
CSCth49196	ARP replies to the customer premises equipment (CPE) are dropped by Cisco CMTS causing the CPEs to be unreachable.
CSCth63706	On the Cisco uBR-MC88V cable line card, modems go offline on the integrated cable interface when unconfiguring the MAC domain configuration with the wrong port number.
CSCth64226	Error messages are being repeatedly displayed when each IPv6 address is removed from the bundle interface.
CSCth73636	Memory leaks by common Crypto functions.
CSCth87649	Unable to block specific CPE MAC addresses on the Cisco CMTS.
CSCti00484	The wrong ARP entry is removed.
CSCti02678	Cisco's Express Forwarding (CEF) technology for IP (IP CEF) can be disabled on the Cisco uBR 7200 series router.
CSCti03293	ifSpeed returns actual data instead of raw data on the integrated-cable interface/modular-cable interface.
CSCti11470	The Cisco uBR-MC88V cable line card crashes.
CSCti15945	Inbound octets (ifInOctets) return the value 0 for the Wideband SPA Gigabit Interface.
CSCti17023	The "average percent contention slots" field does not display the actual values.
CSCti19280	The FFT engine is not updated with the CNR threshold values if a change is made either in the CLI or the SNMP interface to the CNR threshold profile for a given upstream.
CSCti31624	After a line card failover, the modem is no longer layer 3 pingable after Authorization Rekey.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD5

Bug ID	Description
CSCsw63003	Memory increase occurs in 'BGP Router' process due to BGP path attributes. Memory used by this process increases constantly and so do the BGP path attributes while the number of routes does not increase.
CSCtd15349	The show cable subscriber-usage command information is not displayed for a cable modem when it is moved to another interface through load balancing.
CSCte57944	The results of the command "verify /md5" return inconsistent results when the image is saved on an external flash disk.
CSCtf57509	The license modify priority command does not enable the evaluation license.

Bug ID	Description
CSCtf68413	The downstream service flow counter is cleared when a modem drops offline even if the Cisco CMTS is configured with the cable primary-sflow-qos11 keep all command.
CSCtf78545	IPv6 does not work on multiple CMTS bundle subinterface.
CSCtf89823	The SNMP query, ccwbrfChannelMpegPkts, for downstream RF channels does not return any result.
CSCtg79921	InterProcess Communication (IPC) sending fails when IP security is configured.
CSCtg80103	High memory consumption by IPDR_EXP_PROC process when Internet Protocol Data Records (IPDR) is configured and an unknown collector tries to connect.
CSCtg83868	Modular interface on a DOCSIS load balance group is not added or removed by the docsLoadBalChannelStatus MIB when the rf-channel number is greater than 7.
CSCtg92199	The Support for IfMIB is added for CMTS bundle IPv6 subinterface.
CSCth22572	The ccsSpectrumDataPower MIB object always returns the power data for the same upstream for a UB modem.
CSCth36030	System Event Archive (SEA) process accesses the boot disk even when it is disabled.
CSCth59880	The Cisco uBR7200 series router crashes when docsQos3ParamSetPeakTrafficRate is queried.
CSCth61850	Memory leak is observed on the Cisco CMTS router with multicast service flows configured.
CSCth63676	The primary downstream channel does not get synchronized when Dynamic Channel Change (DCC) uses unitization techniques 1-4 on the Cisco UBR-MC8X8 line card.
CSCth77470	Error messages are displayed in the debug log when the “debug cable hqf” command is turned on.
CSCti09242	The "input error" counter under cable interface increases rapidly.
CSCth95931	The Cisco CMTS may crash after a MAXHOST error message when cable modem max-cpe is configured, or when the cable modem <IP> max-hosts command is executed for a cable modem.
CSCti61284	dsgIfClassIncludeInDCD always displays the value as true(1) which is incorrect.

Open Caveats—Cisco IOS Release 12.2(33)SCD4

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco CMTS router.
CSCs150133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsz36328	Cable modems remain in online (pk) and expired states after cable privacy mandatory command is executed.

Bug ID	Description
CSCta16724	Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP) operation on a router running Cisco IOS Release 12.4(24)T.
CSCtb46194	A Cisco router may report memory leaks on the active RP when cable igmp static-group command is executed during OIR of the cable line card on a Cisco uBR7200 series router.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc58334	The output of the show cable qos enforce-rule command displays only the first nine characters of the service class names.
CSCtc63102	When IPv6 CPE gets dual-stack online and the CPE network interface is disabled and enabled frequently, the show CPE command on the CMTS for the CPE may not show the IPv4 portion of the dual-stack CPE.
CSCtc97468	The multicast service flow (SF) is not generated for static multicast sessions on a Cisco UBR-MC20X20V cable interface line card when the shutdown and no shutdown commands are executed on the cable interface of the card without a delay.
CSCtd04983	The Network Processing Engine (NPE) crashes at <code>cmts_bundle_find_mcast_mac</code> when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.
CSCtd15349	The show cable subscriber-usage command information is not displayed for a cable modem when it is moved to another interface through load balancing.
CSCtd48609	The ccm ipv6_address rcs-counts command clears all the rcs-counts of all the cable modems instead of clearing the <code>ipv6_address</code> specified for the cable modem rcs-counts.
CSCtd57276	The rcs-status of the cable modem is not updated when IGMP triggers Dynamic Bonding Channel (DBC).
CSCtd69497	Static groups and sessions are not created when static multicast groups and source addresses exist in a cable modem configuration file.
CSCtd71335	Memory leak is observed on a Cisco uBR10012 and a Cisco uBR7200 series router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd77944	Legacy (non-DOCSIS 3.0) cable modems may fail to get online on the CMTS if the MAC Domain Descriptor (MDD) Ip-Init Type Length Value (TLV) is configured for IPv6 or dual-stack mode.
CSCtd90685	Modems cannot move out of penalty using the Subscriber Traffic Management (STM) enforce rule when the parameters configured in the modem configuration file override the reg service class of the STM.
CSCtd90790	The line card crashes when a cable modem configuration file with the <code>Nominal-GrantInterval</code> value is set to less than 1000.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).
CSCtc09146	PRC_CONFIG_CHANGE is returned instead of PRC_CONFIG_NO_CHANGE when the cable admission-control ds-bandwidth and cable admission-control us-bandwidth commands are executed.

Bug ID	Description
CSCte10266	The fiber node upstream frequency status remains unchanged when the upstream connector is either configured or unconfigured.
CSCte11273	Incomplete CCN messages are displayed on a Cisco uBR7200 series router for the integrated cable interface on the Cisco UBR-MC88V cable interface line card, and the bundle interface on the Cisco MC28U line card in configure mode.
CSCte36746	The "ARP-3-STCKYARPOVR: Attempt to overwrite Sticky ARP entry" is logged at a higher severity level of ERROR instead of LOG_NOTICE.
CSCte37300	Spurious memory access and tracebacks are observed when clear cable modem all reset command is executed.
CSCte37779	The multicast-sessions are not created for a bundle interface.
CSCte42924	When the show tech command is executed, the line card is powered off if the Onboard Failure Logging (OBFL) feature is disabled.
CSCte49359	When two multicast traffic are sent with the same session range in two group configuration (GC) but without the TOS in both GCs, the show interface wide-band-cable service flow counter command displays incorrect output.
CSCte51580	The CMTS forwards traffic when static mulitcast is provisioned via a modem configuration.
CSCte71997	When call volume is high, and numerous stop records are being generated by CMTS, it is observed that an invalid XML file gets generated occasionally.
CSCte79637	The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers, when a cable modem configuration file contains both the IPv4 fields and the IPv6 fields in one DOCSIS QoS classifier.
CSCtf29062	When a new IPv4 multicast host is created on the CMTS, the error cleanup is not performed properly.
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf56634	Sporadic unreliability was observed in the CMTS client database for IPv6.
CSCtf57509	The license modify priority command does not enable the evaluation license.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf68413	The downstream service flow counter is cleared when a modem drops offline even if the Cisco CMTS is configured with the cable primary-sflow-qos11 keep all command.

Bug ID	Description
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01063	Static ARP entries not displayed in the running configuration of the Cisco uBR7246XR router.
CSCtg10082	TFTP fails for a dual-stacked cable modem when the Dynamic Message Integrity Check (DMIC) feature is enabled on the CMTS with the lock option.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
CSCtg37017	Unexpected end of configuration file message is seen during bootup or reset of line card on the Cisco uBR10012 and the Cisco uBR7200 router.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg52567	The show running-config command displays the penalty-period 10080 command when the default value of 10080 is configured.
CSCtg60350	The IPv6 entries for the client is not deleted when a modem or CPE is deleted from the CMTS.
CSCtg71590	Traceroute does not include differentiated services code point (DSCP)/TOS precedence bits in all routing configurations.
CSCtg79921	InterProcess Communication (IPC) sending fails when IP security is configured.
CSCtg80103	High memory consumption by IPDR_EXP_PROC process when Internet Protocol Data Records (IPDR) is configured and an unknown collector tries to connect.
CSCtg83868	Modular interface on a DOCSIS load balance group is not added or removed by the docsLoadBalChannelStatus MIB when the rf-channel number is greater than 7.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD4

Bug ID	Description
CSCth95931	The Cisco CMTS may crash after a MAXHOST error message when cable modem max-cpe is configured, or when the cable modem <IP> max-hosts command is executed for a cable modem.

Open Caveats—Cisco IOS Release 12.2(33)SCD3

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco CMTS router.
CSCsI50133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCsz36328	Cable modems remain in online (pk) and expired states after cable privacy mandatory command is executed.
CSCta16724	Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP) operation on a router running Cisco IOS Release 12.4(24)T.
CSCta77009	A Cisco router may report memory leaks with 319 dual-stack CPE devices, each running the FTP GET and FTP PUT requests.
CSCtb46194	A Cisco router may report memory leaks on the active RP when cable igmp static-group command is executed during OIR of the cable line card on a Cisco uBR7200 series router.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc58334	The output of the show cable qos enforce-rule command displays only the first nine characters of the service class names.
CSCtc63102	When IPv6 CPE gets dual-stack online and the CPE network interface is disabled and enabled frequently, the show CPE command on the CMTS for the CPE may not show the IPv4 portion of the dual-stack CPE.
CSCtc97468	The multicast service flow (SF) is not generated for static multicast sessions on a Cisco UBR-MC20X20V cable interface line card when the shutdown and no shutdown commands are executed on the cable interface of the card without a delay.
CSCtd04983	The Network Processing Engine (NPE) crashes at <code>cmts_bundle_find_mcst_mac</code> when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.
CSCtd15349	The show cable subscriber-usage command information is not displayed for a cable modem when it is moved to another interface through load balancing.
CSCtd48609	The ccm ipv6_address rcs-counts command clears all the rcs-counts of all the cable modems instead of clearing the <code>ipv6_address</code> specified for the cable modem rcs-counts.
CSCtd57276	The rcs-status of the cable modem is not updated when IGMP triggers Dynamic Bonding Channel (DBC).
CSCtd58868	CPUHOG and traceback are observed with multicast traffic on a Cisco uBR7200 series router.
CSCtd62264	The cable modem is not reset and remains in w-online state When all non-primary DS channels are inactive and an RF channel is removed from the bonding group.
CSCtd69497	Static groups and sessions are not created when static multicast groups and source addresses exist in a cable modem configuration file.

Bug ID	Description
CSCtd71335	Memory leak is observed on a Cisco uBR10012 and a Cisco uBR7200 series router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd75934	The Service Independent Intercept (SII) MAC intercepts include management packets on the Cisco uBR7200 series router.
CSCtd77944	Legacy (non-DOCSIS 3.0) cable modems may fail to get online on the CMTS if the MAC Domain Descriptor (MDD) Ip-Init Type Length Value (TLV) is configured for IPv6 or dual-stack mode.
CSCtd86909	After Dynamic Channel Change (DCC) is performed to change the upstream channel of a cable modem, the output of the show cable modem rcs-status command does not display the entry for a cable modem that is w-online.
CSCtd90685	Modems cannot move out of penalty using the Subscriber Traffic Management (STM) enforce rule when the parameters configured in the modem configuration file override the reg service class of the STM.
CSCtd90790	The line card crashes when a cable modem configuration file with the Nominal-GrantInterval value is set to less than 1000.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).
CSCte09146	PRC_CONFIG_CHANGE is returned instead of PRC_CONFIG_NO_CHANGE when the cable admission-control ds-bandwidth and cable admission-control us-bandwidth commands are executed.
CSCte10266	The fiber node upstream frequency status remains unchanged when the upstream connector is either configured or unconfigured.
CSCte11273	Incomplete CCN messages are displayed on a Cisco uBR7200 series router for the integrated cable interface on the Cisco UBR-MC88V cable interface line card, and the bundle interface on the Cisco MC28U line card in configure mode.
CSCte36746	The "ARP-3-STCKYARPOVR: Attempt to overwrite Sticky ARP entry" is logged at a higher severity level of ERROR instead of LOG_NOTICE.
CSCte37300	Spurious memory access and tracebacks are observed when clear cable modem all reset command is executed.
CSCte37779	The multicast-sessions are not created for a bundle interface.
CSCte42924	When the show tech command is executed, the line card is powered off if the Onboard Failure Logging (OBFL) feature is disabled.
CSCte49359	When two multicast traffic are sent with the same session range in two group configuration (GC) but without the TOS in both GCs, the show interface wide-band-cable service flow counter command displays incorrect output.
CSCte51580	The CMTS forwards traffic when static multicast is provisioned via a modem configuration.
CSCte52394	When multicast service flow admission control fails on an integrated-cable (IC) interface, the IC admission control reject counter is not updated on Cisco uBR7200 series and Cisco uBR10012 routers running Cisco IOS Release 12.2(33)SCC.
CSCte71997	When call volume is high, and numerous stop records are being generated by CMTS, it is observed that an invalid XML file gets generated occasionally.

Bug ID	Description
CSCte79637	The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers, when a cable modem configuration file contains both the IPv4 fields and the IPv6 fields in one DOCSIS QoS classifier.
CSCtf29062	When a new IPv4 multicast host is created on the CMTS, the error cleanup is not performed properly.
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf56634	Sporadic unreliability was observed in the CMTS client database for IPv6.
CSCtf57509	The license modify priority command does not enable the evaluation license.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf68413	The downstream service flow counter is cleared when a modem drops offline even if the Cisco CMTS is configured with the cable primary-sflow-qos11 keep all command.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf85427	Memory leak is observed when more than 21 profiles are configured in a policy map.
CSCtf89462	Though SNMP walk or get commands function correctly for the docsIfCmtsCm-StatusEntry parent MIB object, the following error message is displayed: No Such instance.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01063	Static ARP entries not displayed in the running configuration of the Cisco uBR7246XR router.
CSCtg10082	TFTP fails for a dual-stacked cable modem when the Dynamic Message Integrity Check (DMIC) feature is enabled on the CMTS with the lock option.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
CSCtg31445	A mismatch between the sequence number in blaze memory and the route processor packet count.

Bug ID	Description
CSCtg37017	Unexpected end of configuration file message is seen during bootup or reset of line card on the Cisco uBR10012 and the Cisco uBR7200 router.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg52567	The show running-config command displays the penalty-period 10080 command when the default value of 10080 is configured.
CSCtg60350	The IPv6 entries for the client is not deleted when a modem or CPE is deleted from the CMTS.
CSCtg71590	Traceroute does not include differentiated services code point (DSCP)/TOS precedence bits in all routing configurations.
CSCtg79921	InterProcess Communication (IPC) sending fails when IP security is configured.
CSCtg80103	High memory consumption by IPDR_EXP_PROC process when Internet Protocol Data Records (IPDR) is configured and an unknown collector tries to connect.
CSCtg83868	Modular interface on a DOCSIS load balance group is not added or removed by the docsLoadBalChannelStatus MIB when the rf-channel number is greater than 7.
CSCth12562	The cable metering data is not exported properly by the CMTS and hence the Collector receives either incomplete or incorrectly formatted data.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD3

Bug ID	Description
CSCsr96042	Router crashes when the VPN Routing and Forwarding (VRF) configuration is changed.
CSCta49529	An unusual "ALIGN-3-SPURIOUS" error message is displayed when the CMTS is reloaded after running the write erase command.
CSCtb73450	Start-Control-Connection-Request (SCCRQ) packets may cause tunnel to reset after digest failure.
CSCtc04113	The Signal Noise (SN) ratio is always displayed as 0.0 for a Cisco DPC3000 modem as it does not support the current SNMP OID docsIfSigQSignalNoise to query the SN ratio.
CSCtc73759	The H.323 implementation in Cisco IOS Software contains two vulnerabilities that may be exploited remotely to cause a denial of service (DoS) condition on a device that is running a vulnerable version of Cisco IOS Software.
CSCtd12628	The multicast QoS (MQoS) service flows are not created with subinterface configuration when the service class associated with the DOCSIS Set-Top Gateway (DSG) tunnel and subinterface configuration are used.
CSCtd86472	The Cisco IOS Software Network Address Translation functionality contains three denial of service (DoS) vulnerabilities. The first vulnerability is in the translation of Session Initiation Protocol (SIP) packets, the second vulnerability in the translation of H.323 packets and the third vulnerability is in the translation of H.225.0 call signaling for H.323 packets.

Bug ID	Description
CSCtd91634	The number of customer premises equipment (CPEs) displayed in the show cable modem command output is incorrect when IPv6 is enabled on the CPE.
CSCte09545	Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels when the MAC address of the tunnel is changed after the service class name is associated with a tunnel and the service flows are created in all the interfaces.
CSCte09546	Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels when either the status DSG tunnel or the DSG configuration is disabled, and then enabled.
CSCte17479	All cable modems under a single upstream unexpectedly move to expire (pt) state on the Cisco CMTS router.
CSCte20061	An IPv4 packet is classified as an IPv6 service flow when a cable modem has both IPv4 and IPv6 classifiers.
CSCte97922	The hardware version, software version and serial number are not displayed for UBR10-FAN-ASSY, UBR10-PWR-DC and UBR10-PWR-AC modules.
CSCtf14490	The docsIf3CmtsSpectrumAnalysisMeasEntry data is not updated on a Cisco uBR7200 series router or Cisco uBR10012 router.
CSCtf21117	A cpe start ipdr record is generated when only the device-class is updated for a CPE entry.
CSCtf39293	A traceback was observed on the Cisco uBR7200 router when the cable modem failed to register.
CSCtf49834	Inconsistent MIB values were observed in SAMIS records for DOCSIS1.0 and DOCSIS2.0 modems.
CSCtf49848	The serviceOctecPassed value does not match with docsIfCmtsServiceInOctets when clear cable modem xxx reset command is executed or when dynamical service flows are observed.
CSCtf74537	There are alignment issues in the envmib_temperature_trap().
CSCtf77798	Output of show cable modem <interface> offline command does not display information about the cable modems.
CSCtf95986	The Internet Protocol Detail Record (IPDR) topology schema does not work correctly.
CSCtf96525	The cable filter group for the multimedia terminal adapter (MTA) does not match with the device class after an RP switchover.
CSCtg07854	Packets are assigned to wrong queues when the policy-map configuration is modified.
CSCtg16637	SAMIS and IPDR generate duplicate records for each deleted multicast service flow.
CSCtg26495	The Dynamic Channel Change (DCC) and the Dynamic Bonding Channel (DBC) statistics counter of docsQos(3)DynamicServiceStatsTable get reset after executing the "clear counter" command.
CSCtg32833	Incorrect classification of Business Services over DOCSIS (BSoD) traffic was observed in the downstream service flows, based on the dot1q encapsulation.
CSCtg34604	The Cisco UBR-MC20X20V cable interface line cards in multiple slots allow only 50 per cent of traffic load.

Bug ID	Description
CSCtg37467	The docsLoadbal3GrpStatusChgOverSuccess counters cannot be increased in DOCSIS 3.0 General Load Balancing Group (GLBG).
CSCtg39286	Cable line card crashes because of IP header (IPH) length error check.
CSCtg46662	Alignment traceback is seen when the show cable fiber association command is executed.
CSCtg61243	The PacketCable Multimedia (PCMM) voice calls may fail intermittently with error message DSX_MSG_ERROR and error code 0 after 16K+ calls.
CSCtg61986	Traceback is observed during the Cisco uBR7246VXR router bootstrap.
CSCtg67108	The show license commands fail to execute on the Route Processor.
CSCtg80187	The cable modem failed to switch to non-mtc mode, when the tx power on the reference channel is at the peak level and has a ranging power greater than 2dBmV.

Open Caveats—Cisco IOS Release 12.2(33)SCD2

Bug ID	Description
CSCeh33888	A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
CSCs150133	The Cisco uBR7246VXR router with UBR7200-NPE-G1 reloads.
CSCta16724	Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP) operation on a router running Cisco IOS Release 12.4(24)T.
CSCta72172	Overlapping frequency is observed in a fiber-node when spectrum-group and fiber-node are configured across multiple line cards.
CSCta77009	A Cisco router may report memory leaks with 319 dual-stack CPE devices, each running the FTP GET and FTP PUT requests.
CSCtc04113	The Signal Noise (SN) ratio is always displayed as 0.0 for a Cisco DPC3000 modem as it does not support the current SNMP OID docsIfSigQSignalNoise to query the SN ratio.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc58334	The output of the show cable qos enforce-rule command displays only the first nine characters of the service class names.
CSCtc63102	When IPv6 CPE gets dual-stack online and the CPE network interface is disabled and enabled frequently, the show CPE command on the CMTS for the CPE may not show the IPv4 portion of the dual-stack CPE.
CSCtc97468	The multicast service flow (SF) is not generated for static multicast sessions on a Cisco UBR-MC20X20V cable interface line card when the shutdown and no shutdown commands are executed on the cable interface of the card without a delay.
CSCtd04983	The Network Processing Engine (NPE) crashes at cmts_bundle_find_mcast_mac when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.

CSCtd12628	The multicast QoS (MQoS) service flows are not created with subinterface configuration when the service class associated with the DOCSIS Set-Top Gateway (DSG) tunnel and subinterface configuration are used.
CSCtd15349	The show cable subscriber-usage command information is not displayed for a cable modem when it is moved to another interface through load balancing.
CSCtd48609	The ccm ipv6_address rcs-counts command clears all the rcs-counts of all the cable modems instead of clearing the ipv6_address specified for the cable modem rcs-counts.
CSCtd54315	The number of the customer premises equipment (CPE) displayed in the show cable modem and show cable modem registered command output do not match with the number of CPEs displayed in the show cable modem cpe and show cable modem ipv6 cpe command output.
CSCtd57263	Spurious error messages are observed on the CMTS console from IPv6 software.
CSCtd57276	The rcs-status of the cable modem is not updated when IGMP triggers Dynamic Bonding Channel (DBC).
CSCtd58868	CPUHOG and traceback are observed with multicast traffic on a Cisco uBR7200 series router.
CSCtd62264	The cable modem is not reset and remains in w-online state When all non-primary DS channels are inactive and an RF channel is removed from the bonding group.
CSCtd69497	Static groups and sessions are not created when static multicast groups and source addresses exist in a cable modem configuration file.
CSCtd71335	Memory leak is observed on a Cisco uBR10012 and a Cisco uBR7200 series router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd75934	The Service Independent Intercept (SII) MAC intercepts include management packets on the Cisco uBR7200 series router.
CSCtd77944	Legacy (non-DOCSIS 3.0) cable modems may fail to get online on the CMTS if the MAC Domain Descriptor (MDD) Ip-Init Type Length Value (TLV) is configured for IPv6 or dual-stack mode.
CSCtd84099	New cable modem resource is not assigned. When both the upstream and downstream are congested, and the Load Balancer (LB) tries to move a modem by using DCC init technique 1 to 4, an error message is displayed either on the Network Processing Engine (NPE) or Route Processor (RP).
CSCtd86909	After Dynamic Channel Change (DCC) is performed to change the upstream channel of a cable modem, the output of the show cable modem rcs-status command does not display the entry for a cable modem that is w-online.
CSCtd90685	Modems cannot move out of penalty using the Subscriber Traffic Management (STM) enforce rule when the parameters configured in the modem configuration file override the reg service class of the STM.
CSCtd90790	The line card crashes when a cable modem configuration file with the Nominal-GrantInterval value is set to less than 1000.
CSCtd91634	The number of customer premises equipment (CPEs) displayed in the show cable modem command output is incorrect when IPv6 is enabled on the CPE.
CSCtd97055	Tracebacks occur while toggling IPv6 on and off on the customer premises equipment (CPE).

CSCte09146	PRC_CONFIG_CHANGE is returned instead of PRC_CONFIG_NO_CHANGE when the cable admission-control ds-bandwidth and cable admission-control us-bandwidth commands are executed.
CSCte09156	The clear cable modem reset command removes an existing CPE in ip-init APM mode on Cisco uBR7200 series routers.
CSCte09545	Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels when the MAC address of the tunnel is changed after the service class name is associated with a tunnel and the service flows are created in all the interfaces.
CSCte09546	Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels when either the status DSG tunnel or the DSG configuration is disabled, and then enabled.
CSCte10266	The fiber node upstream frequency status remains unchanged when the upstream connector is either configured or unconfigured.
CSCte10684	The status of the integrated cable interface or the cable interface changes to "Down" when the status of the relative bundle interface is set to "Down" and the CMTS is reloaded.
CSCte11273	Incomplete CCN messages are displayed on a Cisco uBR7200 series router for the integrated cable interface on the Cisco UBR-MC88V cable interface line card, and the bundle interface on the Cisco MC28U line card in configure mode.
CSCte17479	All cable modems under a single upstream unexpectedly move to expire (pt) state on the Cisco CMTS router.
CSCte20061	An IPv4 packet is classified as an IPv6 service flow when a cable modem has both IPv4 and IPv6 classifiers.
CSCte36746	The "ARP-3-STCKYARPOVR: Attempt to overwrite Sticky ARP entry" is logged at a higher severity level of ERROR instead of LOG_NOTICE.
CSCte37300	Spurious memory access and tracebacks are observed when clear cable modem all reset command is executed.
CSCte37779	The multicast-sessions are not created for a bundle interface.
CSCte42924	When the show tech command is executed, the line card is powered off if the Onboard Failure Logging (OBFL) feature is disabled.
CSCte49359	When two multicast traffic are sent with the same session range in two group configuration (GC) but without the TOS in both GCs, the show interface wide-band-cable service flow counter command displays incorrect output.
CSCte51580	The CMTS forwards traffic when static mulitcast is provisioned via a modem configuration.
CSCte52394	When multicast service flow admission control fails on an integrated-cable (IC) interface, the IC admission control reject counter is not updated on Cisco uBR7200 series and Cisco uBR10012 routers running Cisco IOS Release 12.2(33)SCC.
CSCte79637	The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers, when a cable modem configuration file contains both the IPv4 fields and the IPv6 fields in one DOCSIS QoS classifier.
CSCtf14490	The docsIf3CmtsSpectrumAnalysisMeasEntry data is not updated on a Cisco uBR7200 series router or Cisco uBR10012 router.
CSCtf21117	A cpe start ipdr record is generated when only the device-class is updated for a CPE entry.

CSCtf29062	When a new IPv4 multicast host is created on the CMTS, the error cleanup is not performed properly.
CSCtf29066	The CMTS will not perform the cleanup operation effectively during an HA or DHCPv4 Lease Query host verification operation when the MAXHOST error is encountered during the creation of a new host.
CSCtf37762	The CM does not receive multicast encryption traffic since the Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS.
CSCtf37919	A Dynamic Bonding Channel (DBC) request is rejected by the cable modem.
CSCtf39293	A traceback was observed on the Cisco uBR7200 router when the cable modem failed to register.
CSCtf49834	Inconsistent MIB values were observed in SAMIS records for DOCSIS1.0 and DOCSIS2.0 modems.
CSCtf49848	The serviceOctecPassed value does not match with docsIfCmtsServiceInOctets when clear cable modem xxx reset command is executed or when dynamical service flows are observed.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf55375	Video was not displayed when the VDOC broadcast feature was enabled on the CMTS.
CSCtf56634	Sporadic unreliability was observed in the CMTS client database for IPv6.
CSCtf59785	The output of the show interface sid counter verbose command does not display the correct status (reset) of the codeword counter while the output of the show cable modem verbose command displays that the codeword counter is reset.
CSCtf68413	The downstream service flow counter is cleared when a modem drops offline even if the Cisco CMTS is configured with the cable primary-sflow-qos11 keep all command.
CSCtf77798	Output of show cable modem <interface> offline command does not display information about the cable modems.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf84662	The debug cable ucd command displays only the upstream channel descriptors (UCDs) of a single downstream channel, even if you have multiple downstream channels in the MAC domain.
CSCtf89462	Though SNMP walk or get commands function correctly for the docsIfCmtsCm-StatusEntry parent MIB object, the following error message is displayed: No Such instance.
CSCtf95986	The Internet Protocol Detail Record (IPDR) topology schema does not work correctly.
CSCtf96434	The EPC3000 cable modem creates an invalid DHCP unique identification (DUID).
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.

CSCtg14022	The embedded multimedia terminal adapters (eMTAs) are unable to get configuration files from the TFTP server.
CSCtg32833	Incorrect classification of Business Services over DOCSIS (BSoD) traffic was observed in the downstream service flows, based on the dot1q encapsulation.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD2

Bug ID	Description
CSCsr40529	Corrupted output is displayed when the standby disk is formatted during an In-Service Software Upgrade (ISSU) of the CMTS router running Cisco IOS Release 12.2(33)SCB4.
CSCtb99555	IPDR output document may report redundant information if the corresponding fiber node has not been changed.
CSCte89399	The Get ENTITY-MIB object shows wrong PIDs for power supply.
CSCte91760	Simulating an intermediate session routing (ISR) watchdog using a busy-loop delay in an ISR, results in an incorrect traceback. Further, an infinite loop in the ISR results in no ISR watchdog functionality at all.
CSCte91820	The output of the show cable metering command is inconsistent with the output of the show cable metering verbose command.
CSCtf53889	The Cisco uBR7225VXR router was unable to identify the PWR-UBR7225-AC-E power supply through SNMP polling.
CSCtf57391	Loss of records is observed when the Internet Protocol Data Records (IPDR) data amount is large.
CSCtf69260	A cable modem failed to register when upstream traffic congestion was observed.
CSCtf89656	The Cisco CMTS router is unable to complete downstream movement for DOCSIS 1.0 cable modems.

Open Caveats—Cisco IOS Release 12.2(33)SCD1

- [CSCeh33888](#)
Symptoms: A Cisco uBR7246VXR router may reload with the configurations set during the last watchdog reset.
Conditions: This issue occurs on a Cisco uBR7246VXR router having a Cisco uBR7200-NPE-G1 processor board, and running Cisco IOS Release 12.3(9a)BC.
Workaround: There is no workaround.
- [CSCsl50133](#)
Symptoms: The Cisco uBR7246VXR router reloads with the following message:

```
No crashinfo
No tracebacks
Last reload reason: Unknown reason
Last reset from watchdog reset
```

Conditions: This issue occurs on a Cisco uBR7246VXR (UBR7200-NPE-G1) router running Cisco IOS Release 12.3(17b)BC4.

Workaround: There is no workaround.

- CSCta16724

Symptoms: Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP).

Conditions: This issue is observed when a user with a "view" attempts to perform an SCP on a router running Cisco IOS Release 12.4(24)T.

Workaround: Remove the "view".

- CSCta56424

Symptoms: The Network Processing Engine (NPE) crashes while deleting files from a corrupted ATA disk.

Conditions: This issue occurs on a Cisco uBR7200 series router when the ATA disk is corrupted, and the following error message is displayed:

```
cluster chain broken on file
```

Workaround: There is no workaround.

- CSCta77009

Symptoms: A Cisco uBR7200 series router may report memory leaks.

Conditions: This issue occurs when each of the dual-stack CPE devices are running the FTP GET and FTP PUT requests.

Workaround: There is no workaround.

- CSCtc04113

Symptoms: The Signal Noise (SN) ratio is always displayed as 0.0 for a Cisco DPC3000 modem.

Conditions: This issue occurs in a Cisco DPC3000 modem because it does not support the current SNMP OID docsIfSigQSignalNoise to query the SN ratio.

Workaround: There is no workaround.

- CSCtc27601

Symptoms: Grouping of source specific multicast (SSM) group from any source to one group configuration is not possible. The Cisco CMTS treats the next session-range as any source multicast (ASM).

Conditions: This issue occurs in a multicast group configuration.

Workaround: Configure the correct group range with the valid mask. Map the SSM from any source configures as ASM. For example, session-range 239.50.0.0 255.255.0.0

- CSCtc58334

Symptoms: The output of the **show cable qos enforce-rule** command displays only the first nine characters of the service class names.

Conditions: This issue occurs when a service class name is configured with more than nine characters. If two separate service class names are configured with the same first nine characters, the **show cable qos enforce-rule** command displays the same name for both the service class names.

Workaround: If two separate service class names are being configured, configure the service class names such that the first nine characters are not same.

- CSCtd04983
Symptoms: The Cisco uBR7200 VXR series router crashes when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.
Conditions: This issue occurs when there are many multicast CPEs.
Workaround: There is no workaround.
- CSCtd12628
Symptoms: MQoS service flows are not created with subinterface configuration.
Conditions: This issue is observed when the service class associated with the DOCSIS Set-Top Gateway (DSG) tunnel and subinterface configuration is used.
Workaround: There is no workaround.
- CSCtd15349
Symptoms: The **show cable subscriber-usage** command information is not displayed for a CM.
Conditions: This issue occurs when a CM is moved to another interface through load balancing.
Workaround: Use the **dec init-tec** command.
- CSCtd48609
Symptoms: The **ccm ipv6_address rcs-counts** command clears all the rcs-counts of all the CMs instead of clearing the ipv6_address specified for the CM's rcs-counts.
Conditions: This issue occurs on execution of the **ccm ipv6_address rcs-counts** command.
Workaround: Use the **ccm mac_address rcs-counts** command.
- CSCtd54315
Symptoms: The CPE number displayed in the **show cable modem** and **show cable modem registered** commands output does not match with the CPE number displayed in the **show cable modem cpe** and **show cable modem ipv6 cpe** command outputs.
Conditions: This issue occurs on a Cisco DPC3000 modem with a general IPv6 configuration.
Workaround: There is no workaround.
- CSCtd56821
Symptoms: The Cisco uBR7225VXR router may crash after the **show packetcable gate summary** command is run.
Conditions: This issue occurs when a PacketCable gate is created on slot 1/0 on a Cisco uBR7225VXR router.
Workaround: There is no workaround.
- CSCtd57263
Symptoms: Spurious error messages are observed on the CMTS console from IPv6 software.
Conditions: This issue occurs because of excessive start/stop of an IPv6 traffic generator acting as an IPv6 CPE.
Workaround: There is no workaround.
- CSCtd57276
Symptoms: The output of the **show cable modem wideband rcs-status** command is not updated when IGMP triggers Dynamic Bonding Channel (DBC) for Video over DOCSIS (VDOC).
Conditions: This issue occurs on a Cisco uBR7200 series router.

- Workaround: There is no workaround.
- CSCtd58868

Symptoms: CPUHOG and traceback are observed with multicast traffic.

Conditions: This issue occurs on a Cisco uBR7200 series router.

Workaround: There is no workaround.
 - CSCtd62264

Symptoms: Cable modem (CM) remains w-online when it should have been reset.

Conditions: This issue occurs when a CM experiences a DS RF impairment. In this case it is possible that the CM will have its primary DS service flow moved to its primary DS channel. If one or more of the RF channels that are being used by the CM are removed from a wideband interface, the CM is not reset.

Workaround: The CMs showing an RCC-ID of zero should be reset manually.
 - CSCtd69497

Symptoms: Static groups and sessions are not created.

Conditions: This issue occurs when a static multicast group and source address are specified in the CM configuration file. When one group is configured with matching SSM configurations, and if a matching profile configuration exists in the CMTS, the multicast DB and multicast DSID are created after modem is registered. However, static groups and sessions are not created.

Workaround: There is no workaround.
 - CSCtd71335

Symptoms: Memory leak is observed on a Cisco uBR7200 series router.

Conditions: This issue occurs when a cable modem is reset after a reservation is created using RSVP.

Workaround: There is no workaround.
 - CSCtd75934

Symptoms: The Service Independent Intercept (SII) MAC intercepts include management packets on the Cisco uBR7200 platform.

Conditions: This issue occurs on the Cisco uBR7200 series routers when SII MAC intercepts are configured.

Workaround: There is no workaround.
 - CSCtd77944

Symptoms: Legacy (non-DOCSIS 3.0) cable modems may fail to get online on the CMTS if the MAC Domain Descriptor (MDD) Ip-Init Type Length Value (TLV) is configured for IPv6 or dual-stack mode.

Conditions: This issue occurs during a normal CMTS operation, with the CMTS downstream configured for DOCSIS 3.0.

Workaround: Reload the CMTS.
 - CSCtd84099

Symptoms: The following error message is displayed either on the NPE or the RP when the Load Balancer (LB) fails to move the modem:

```
Failed to assign new CM resource
```

Conditions: This issue is observed when both the upstream and downstream are congested, and the LB tries to move a modem by using DCC init technique 1 to 4.

Workaround: There is no workaround.

- CSCtd86909

Symptoms: The output of the **show cable modem rcs-status** command does not display the entry for a CM that is w-online.

Conditions: This issue is observed when Dynamic Channel Change (DCC) is performed to change a CM's upstream channel. During this transition, the rcs-status information for the CM is inadvertently lost.

Workaround: There is no workaround.

- CSCtd90685

Symptoms: Modems cannot move out of penalty using the STM enforce rule.

Conditions: This issue occurs when the parameters configured in the modem configuration file override the reg service class of the STM. As a result, the reg static service class QoS template is not a subset of the admitted QoS template.

Workaround: Do not override the reg service class in the configuration file.

- CSCtd90790

Symptoms: The line card crashes when a cable modem configuration file with the NominalGrantInterval value set to 100 is activated.

Conditions: This issue occurs on a Cisco DPC3000 modem with the NominalGrantInterval value set to less than 1000.

Workaround: Set the NominalGrantInterval to a larger valid value.

- CSCtd91634

Symptoms: The number of CPEs displayed in the **show cable modem** command output is incorrect.

Conditions: This issue occurs on an IPv6-enabled CPE.

Workaround: There is no workaround.

- CSCtd97055

Symptoms: Tracebacks are seen while toggling IPv6 on and off on a CPE.

Conditions: This issue occurs on a Cisco DPC3000 modem.

Workaround: There is no workaround.

- CSCte09146

Symptoms: Incorrect PRC_CONFIG_CHANGE is returned instead of PRC_CONFIG_NO_CHANGE.

Conditions: This issue occurs when the **cable admission-control ds-bandwidth** and **cable admission-control us-bandwidth** commands are run twice in either the global or the interface configuration mode.

Workaround: There is no workaround.

- CSCte09156

Symptoms: The CLI command **clear cable modem reset** removes an existing CPE in ip-init APM mode.

Conditions: This issue is observed on Cisco uBR7200 series routers.

- Workaround: There is no workaround.
- CSCte09545

Symptoms: Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels.

Conditions: This issue is observed when the MAC address of the tunnel is changed.

Workaround: Do not make any changes to the DSG configuration after the service class name is associated with a tunnel and service flows are created in all the interfaces. Any change in the tunnel MAC address will cause issues with the service flows.
 - CSCte09546

Symptoms: Multicast service flows are not created for DOCSIS Set-Top Gateway (DSG) tunnels.

Conditions: This issue is observed when either of the status DSG tunnel or the DSG configuration is disabled, and then enabled.

Workaround: Do not make any changes to the DSG configuration after the service class name is associated with the tunnel, and the service flows are created in all the interfaces. Any change in the corresponding tunnel's status, or removing and then adding the service class name will cause issues with the service flows.
 - CSCte10266

Symptoms: When the upstream connector is either configured or unconfigured, the fiber node upstream frequency status remains unchanged.

Conditions: This issue is observed when the upstream connector is configured under the cable interface.

Workaround: There is no workaround.
 - CSCte10684

Symptoms: The Cisco CMTS reloads after the status of the integrated cable and the cable interface is changed to down when the relative bundle interface is set to down.

Conditions: This issue occurs on a Cisco uBR7200 series router.

Workaround: Shut down the interface using the **shutdown** command, and then use the **no shutdown** command.
 - CSCte11273

Symptoms: Incomplete CCN messages are displayed for the integrated cable interface on the Cisco UBR-MC88V, or bundle interface on the Cisco MC28U in configure mode.

Conditions: This issue occurs on a Cisco uBR7200 series router.

Workaround: There is no workaround.
 - CSCte17479

Symptoms: After performing an upgrade on a Cisco CMTS router to Cisco IOS 12.2(33)SCB3, CMs under a single upstream go in the expire (pt) state. The output of the **show interface cable mac-scheduler | i lch_state** command displays the upstream channel in the POST_UCDMAP_WAIT state.

Conditions: This issue occurs on Cisco uBR10012 and Cisco uBR7200 series routers.

Workaround: A change in any of the UCDS, such as modulation, minislot size, channel width, in the corresponding upstream channel can enable a channel recover.
 - CSCte20061

Symptoms: An IPv4 packet is classified as an IPv6 service flow.

Conditions: This issue occurs when a CM has both IPv4 and IPv6 classifiers.

Workaround: There is no workaround.

- CSCte26014

Symptoms: A crash was observed on the line card at `cmts_crane_read_key`.

Conditions: This issue occurs when multicast Service Identifiers (SIDs) are configured on the line card. This is seen while executing the **show interface cable key** command.

Workaround: Do not configure multicast SIDs on the line card.

- CSCte36746

Symptoms: The following error message is logged at high severity level:

```
Attempt to overwrite Sticky ARP entry
```

Conditions: This issue is observed when an attempt is made to overwrite a sticky ARP entry.

Workaround: There is no workaround.

- CSCte37300

Symptoms: Spurious memory access and tracebacks are observed when **clear cable modem all reset** command is executed.

Conditions: This issue occurs when CMs are continuously reset under multicast traffic.

Workaround: There is no workaround.

- CSCte42924

Symptoms: When the **show tech** command is issued the line card is powered off.

Conditions: This issue occurs when the Onboard Failure Logging (OBFL) feature is disabled.

Workaround: Do not disable the OBFL feature.

- CSCte45430, CSCte51580

Symptoms: The CMTS forwards traffic even when all the CMs are deleted.

Conditions: This issue occurs when static mulitcast is provisioned via a modem configuration file. The CMTS forwards the multicast traffic even when all the modems are deleted.

Workaround: There is no workaround.

- CSCte48051

Symptoms: Legacy Set-Top Boxes (STB) with IOS releases prior to 12.2 fail to work with IOS Release 12.2. IOS releases prior to 12.2 used OpenCable2.0 for STB Virtual Channel Identifier (VCI). In Release 12.2, IOS changed STB VCI to OpenCable2.0 to follow OpenCable's standard. This results in compatibility issues with legacy STBs.

Conditions: This issue occurs in legacy STBs that are still using VCI OpenCable2.0.

Workaround: There is no workaround.

- CSCte49359

Symptoms: The **show interface wideband-cable service flow counter** command displays an incorrect output.

Conditions: This issue occurs when the following procedure is performed:

1. Two group configuration (GC) are configured with the same session range, but different TOS and GQC; one as aggregate type GQC and the other as single type GQC.

2. Two multicast traffic is sent with the session range in both the GCs but without the TOS in both GCs.

All the traffic is expected to pass through the default service flow.

Workaround: The traffic passes through the correct service flow. The **show** command output is incorrect. There is no workaround.

- CSCte52393

Symptoms: The rf-channel stacking sub CLI of integrated-controller is shown in the output of the **show run** command with the default value set to 4.

Conditions: This issue occurs when the rfchannel stacking is set to 4, and the **show run** command is executed.

Workaround: There is no workaround.

- CSCte52394

Symptoms: When multicast service flow admission control fails on an IC interface, the IC admission control reject counter is not updated.

Conditions: This issue occurs on Cisco uBR7200 series and Cisco uBR10012 routers running Cisco IOS Release 12.2(33)SCC.

Workaround: There is no workaround.

- CSCte74898

Symptoms: The DOCSIS MAC Infrastructure upstream_channel_id safety net performs some false checks. It should be turned off.

Conditions: There are no known conditions for this issue to occur.

Workaround: There is no workaround.

- CSCte79637

Symptoms: The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers.

Conditions: This issue occurs when a CM configuration file contains both the IPv4 fields (other than the TCP or UDP source or destination ports) and the IPv6 fields in one DOCSIS QoS classifier.

Workaround: There is no workaround.

- CSCte89399

Symptoms: The Get ENTITY-MIB object shows wrong PIDs for power supply on a Cisco uBR7246VXR router.

Conditions: There are no known conditions for this issue to occur.

Workaround: There is no workaround.

- CSCtf29062

Symptoms: During an IPv4 multicast operation, if failure is encountered, the cleanup is not performed properly.

Conditions: This issue occurs when an error is encountered during a new IPv4 multicast host creation on the CMTS.

Workaround: There is no workaround.

- CSCtf29066

Symptoms: During an HA or DHCPv4 Lease Query host verification operation of the CMTS, if the MAXHOST error is encountered during the creation of a new host, the CMTS will not perform the cleanup operation properly.

Conditions: This issue is observed on a Cisco uBR7200 series router.

Workaround: There is no workaround.
- CSCtf37762

Symptoms: A Dynamic Bonding Channel (DBC) request for a multicast encryption session from a CM is rejected by the CMTS. As a result, the CM cannot receive encryption multicast traffic.

Conditions: This issue occurs when a CM supports MDF, and VDOC broadcast is configured on the CMTS.

Workaround: There is no workaround.
- CSCtf37919

Symptoms: The following error message is displayed when the **debug cable dbc** command is executed for a CM:

```
CST: DBC-RSP Reject: 001e.6bfb.304a, Code: 41 .
```

Conditions: This issue occurs when all the following conditions are true:

 - The bundle interface IGMP version is v3 and there are at least two w-online MDF-enabled CMs.
 - Two separate IGMP v3 clients are translated into IGMPv2 behind these CMs.
 - Both these clients join the same multicast group.
 - The IGMPv2 client sends the IGMP leave message to the CMTS.

Workaround: There is no workaround.
- CSCtf39293

Symptoms: A traceback was observed on the Cisco uBR7200 router.

Conditions: This issue occurs when the CM fails registration and the **clear cable modem all delete** command is executed.

Workaround: There is no workaround.
- CSCtf53889

Symptoms: The Cisco uBR7225 platform cannot identify the power supply PWR-UBR7225-AC-E through SNMP polling. A new MIB object has been added to support this.

Conditions: There are no known conditions for this issue to occur.

Workaround: There is no workaround.
- CSCtf56634

Symptoms: Sporadic unreliability in the CMTS client database for IPv6.

Conditions: This issue occurs during the Dynamic Channel Change (DCC) operation.

Workaround: There is no workaround.
- CSCtf57391

Symptoms: Loss of records is observed when the Internet Protocol Data Records (IPDR) data amount is large.

Conditions: This issue occurs when multiple IPDR sessions are configured, with one session sending data and another trying to select a collector before session starts. The collector selection operation resets the shared TCP connection to the selected collector and frees the send buffer, as a result the sending data session loses all the unsent messages. And it also possible that the sending data session may continue sending the data, because of which the frame structure might get distorted.

Workaround: There is no workaround.

- CSCtf59785

Symptoms: After the UCC is enabled, the output of the **show cable modem verbose** command displays that the codeword counter is reset. However, the output of the **show interface sid counter verbose** command does not display the correct status (reset) of the codeword counter.

Conditions: This issue occurs when the UCC is enabled.

Workaround: There is no workaround.

- CSCtf68413

Symptoms: A downstream service flow counter is cleared when a modem drops offline even if the CMTS is configured with the **cable primary-sflow-qos11 keep all** command.

Conditions: This issue is observed with the Cisco uBR10-MC88V and Cisco UBR-MC20X20V line cards running Cisco IOS Release 12.2(33)SCD.

Workaround: There is no workaround.

- CSCtf69260

Symptoms: A CM gets stuck in the init (rc) state, and does not proceed further with the initialization.

Conditions: This issue is observed when a CM gets reset while it still has a pending bandwidth request. In this case the Upstream Service Flow (UP-SF) is not properly reinitialized causing the CM to get stuck.

Workaround: Delete the modem using the **clear cable modem delete** command.

- CSCtf81039

Symptoms: The CPE entries are not removed when the modem is disconnected.

Conditions: This issue occurs when the following procedure is performed:

1. The modem and the PC(CPE) are connected.
2. The output of either the **show cable modem cpe** or the **show interface modem** command displays the PC MAC address behind the modem.
3. The modem and the PC(CPE) are disconnected.
4. After a few minutes, the modem is reconnected without the PC(CPE).
5. The output of either the **show cable modem cpe** or the **show interface modem** command still shows the PC behind the modem, along with the PC's ARP entry. Wait until the PC's ARP entry disappears.
6. The output of either the **show cable modem cpe** or the **show interface modem** command still reports the CPE entry behind the modem.

Workaround: Delete the modem using the **clear cable modem mac address delete** command.

- CSCtf89462

Symptoms: SNMP **walk** or **get** commands work for the parent MIB object docsIfCmtsCmStatusEntry. However, the following error message is displayed:

No Such instance.

Conditions: This issue occurs on the CMTS running IOS Release 12.3(21a)BC6.

Workaround: Use the SNMP **walk** or **get** commands to traverse the parent tree instead of the individual objects.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD1

- CSCsx33622

Symptoms: Flapping BGP sessions occur in a network when a Cisco IOS application sends full-length segments with TCP options.

Conditions: This issue is seen when a Cisco IOS device that is configured to send TCP options sends its initial Maximum Segment Size (MSS) during the three-way handshake. In this case, the router incorrectly accounts for 20 bytes of TCP options when it sends this initial MSS.

This issue occurs when a fixed IOS communicates with a nonfixed IOS.



Note

The nonfixed behavior is to subtract the 20 TCP option bytes when the MSS values are initially exchanged.

The fixed behavior is to not subtract the 20 TCP option bytes when the MSS values are initially exchanged.

Workaround: Set the MSS value on a nonfixed router to be the MSS value received from a fixed router minus the TCP options (20 bytes). Use the global **ip tcp mss** command to adjust the MSS value that the router will use.

- CSCtb99555

Symptoms: IPDR output may report redundant information if the corresponding fiber node has not been changed.

Conditions: This issue is observed when the IPDR topology schema is being configured using the **configure ipdr template TOPOLOGY** command, and the session type is event.

Workaround: There is no workaround.

- CSCtd57007

Symptoms: The CNR value goes down with added noise. Even if the noise is removed the value continues to remain the same.

Conditions: This issue occurs when the noise is removed and 75% of the traffic is utilized on a robust modulation profile.

Workaround: Reduce the traffic.

- CSCtd83463

Symptoms: The DOCIS 3.0 cable modem goes offline after a test cable dynamic channel change (DCC) with ranging technique 1.

Conditions: There are no specific conditions for this issue to occur.

Workaround: There is no workaround.

- CSCtd94571

Symptoms: The IPv6 input process has high CPU utilization.

Conditions: This issue occurs because the Cisco uBR7200 series and Cisco uBR10012 routers allow the IPv6 CEF process to be disabled, causing the IPv6 input process to consume more CPU cycles.

Workaround: There is no workaround.

- CSCte05596

Symptoms: When CPU utilization is very high (around 99%), a false alarm is generated with the following error message:

```
CLONED_CM_DETECTED
```

Conditions: This issue occurs when hundreds of Cisco EPC3000s CMs are connected to the Cisco uBR-MC88V LC, and half of these CMs are flapping. When the **show memory debug leak chunk** command is executed on LC, high CPU utilization is indicated with the following error message being displayed on the console multiple times:

```
CLONED_CM_DETECTED
```

Workaround: There is no workaround.

- CSCte07576

Symptoms: After the AAA server and the Record Keeping Server (RKS) server are configured, the PacketCable QoS reserve and QoS commit event are not sent out.

Conditions: This issue occurs when an event handler sends out events before NPE or RP have created voice service flows.

Workaround: There is no workaround.

- CSCte12235

Symptoms: Rollback check fails for **cable metering ipdr-d3 session type**

Conditions: This occurs when the following procedure is performed:

1. The **cable metering ipdr-d3 session type** command is executed.
2. The **no cable metering ipdr-d3 session type** command is executed
3. Step 1 is repeated.

Workaround: After executing the **no cable metering ipdr-d3 session type** command, configure the CLI with either a different session or type ID.

- CSCte14940

Symptoms: Invalid nominator while walking the docsQoSServiceFlowStatsTable.

Conditions: This issue occurs while walking the docsisIf3Mib and docsQoS3Mib on the legacy card. The CMTS console displays the following warning message:

```
*Jan 4 17:10:14.726 CST: %UBR7200-4-CACHE_ENGINE_WARNING: Warning: Received buffer with invalid nominator - 3
```

Workaround: There is no workaround.

- CSCte20181

Symptoms: The NPE crashes while polling the MIB object cefFESelectionEntry after configuring the IP address and the other parameters for the bundle interface.

Conditions: This issue occurs when a removed bundle is reused.

Workaround: Configure a new bundle with a different bundle index instead of reusing the removed bundle.

- CSCte34179

Symptoms: Some service flows cannot be retrieved using SNMP tools.

Conditions: This issue occurs when the cable modem configuration file includes the service class name.

Workaround: Disable the SNMP background synchronization.
- CSCte34527

Symptom: For the cable modems in UB w-online state, the output of the **show cable modem verbose** command displays both Upstream Power (dBmV) and Reported Transmit Power (dBmV), which is redundant and confusing. Also, the output of the **show cable modem phy** command displays USPwr of all upstreams as 0.0 even if remote query is not enabled.

Conditions: This issue occurs when either the **show cable modem verbose** or the **show cable modem phy** command is executed for cable modems in UB w-online state.

Workaround: There is no workaround.
- CSCte36979

Symptoms: MDF-enabled modems do not receive multicast traffic when the **clear ip mroute** command is executed.

Conditions: This occurs when the following procedure is performed:

 1. Registered modems should be online and MDF enabled.
 2. There should be a IGMP join from the CPE behind modems and encrypted multicast traffic should be passing through them.
 3. Execute one of the following commands:
 - a. **clear ip mroute ***.
 - b. Execute the **no ip multicast-routing** command and after 10 seconds execute **ip multicast-routing** command.
 - c. Shutdown the cable bundle interface which is the multicast output interface and after 10 seconds start the cable bundle interface.
 - d. Execute the **ip pim spare-modem** command on cable bundle interface and after 10 seconds configure **ip pim spare-modem** command on cable bundle interface.

Workaround: Restart the IGMP protocol from the CPE behind the modems.
- CSCte42955

Symptoms: The SNMP query on the cefAdjEntry table is trapped into a dead loop.

Conditions: This issue occurs when the CMTS is configured with the Lex interface.

Workaround: Do not configure the Lex interface when querying the cefAdjEntry table using SNMP.
- CSCte53032

Symptoms: The modulation profile preamble length for internal usage code (IUC) types, station, and initial becomes very large.

Conditions: This issue occurs on the Cisco uBR10012 routers with Cisco uBR10-MC5X20H-D and UBR-MC20X20V line cards running Cisco IOS Release 12.2(33)SCC and 12.3(23)BC. This may be observed with the Cisco uBR-MC88V cable interface line card.

Workaround: Use a different modulation profile.
- CSCte58329

Symptoms: Layer 2 VPN configuration with BPI configuration fails on the Cisco CMTS router.

Conditions: This issue occurs when both Layer 2 VPN and BPI are configured.

Workaround: There is no workaround.

- CSCte60712

Symptoms: The CMTS sends out the wrong Type Value in the diaglog data records when the Cisco DPC3000 modem is w-online, and is rebooted from the CMTS console. As per DOCSIS 3.0, the Type Value should be 8 for dhcpv6complete.

Conditions: This issue occurs when **diag log-event ipdr** command is configured.

Workaround: There is no workaround.

- CSCte61597

Symptoms: CPEs in the same IGMPv3 group do not receive multicast.

Conditions: This issue occurs on a Cisco uBR7200 series universal broadband router with the Cisco uBR-MC88V cable interface line card running Cisco IOS Release 12.2(33)SCD. When CPEs from different CMs join the same IGMPv3 group, and a CPE leaves the group, the IGMP group and the DSID are deleted from the CMTS. As a result, until the next general query, the other CPEs in the IGMP group do not receive multicast.

Workaround: Configure the static multicast on the CMTS or use IGMPv2 for the CPEs.

- CSCte83897

Symptoms: The output of the MIB object docsDiag is not complete when the number of CMs in error state is greater than 30.

Conditions: This issue occurs when diaglog is configured

Workaround: There is no workaround.

- CSCte89797

Symptoms: The SAMIS or IPDR record displays junk value for the field CMTSupIfName for the multicast service flow.

Conditions: This issue occurs when a multicast service flow exists, and SAMIS or IPDR is enabled.

Workaround: There is no workaround.

- CSCte92761

Symptoms: SAMIS or IPDR does not export a deleted multicast service-flow.

Conditions: This issue occurs when a deleted multicast service flow exists, and SAMIS or IPDR is enabled.

Workaround: There is no workaround.

- CSCte94013

Symptoms: Some of a CM's records are not obtained by an SNMP query command such as **snmpwalk docsDiagMib**.

Conditions: This issue occurs when the diagnostic log feature is active (configured with the **cable diaglog active** command) and the CMs are flapping.

Workaround: Use command **clear cable modem all delete** to delete all CMs.

- CSCtf17357

Symptoms: The Cisco uBR7200 router may hang after the cable Upstream privilege configuration CLI is executed.

Conditions: This issue occurs when privilege cable upstream CLI is executed on the CMTS.

Workaround: There is no workaround.

- CSCtf21795

Symptoms: The CMTS does not send an override message if the MAC domain port number is not 0.

Conditions: This issue occurs when the Downstream Frequency Override (DFO) RF topology is set up on the Cisco UBR-MC20X20V cable interface line card.

Workaround: There is no workaround.

- CSCtf26531

Symptoms: The DS-UTIL data record collected by the IPDR collector always has two counters, DsUtilTotalBytes and DsUtilUsedBytes, set to zero.

Conditions: This issue is observed with uBR-MC20X20V and uBR-MC88V line cards running Cisco IOS Release 12.2(33)SCD.

Workaround: There is no workaround.

- CSCtf26777

Symptoms: The **RecType** field is set to a wrong value when the template is DIAGLOG-DETAIL, and the session type is event.

Conditions: This issue occurs when the configured IPDR session type is event set using the **configure ipdr type event** command, and the IPDR schema is DIAGLOG-DETAIL, which is set using the **configure ipdr template DIAGLOG-DETAIL** command.

Workaround: There is no workaround.

- CSCtf31850

Symptoms: On a Cisco uBR-MC20X20V LC, Downstream Frequency Overriding (DFO) debug messages are not shown in the log, even though the RF topology is configured for DFO.

Conditions: Because the MD-DS-SG ID is generated based on MAC Domain, there may be different MD-DS-SG IDs for two MAC Domains if the same downstream RF channel set is configured under two fiber-nodes. If a CM sends the ranging request to the wrong downstream, the CMTS tells the CM to abort ranging. Because no DFO processing takes place, no logs are displayed.

Workaround: Remove the two fiber-nodes configuration and configure them again.

- CSCtf32861

Symptoms: The **cable metering ipdr session** command does not configure successfully if usage-based billing and streaming of billing records to an external server is already configured.

Conditions: This occurs when the following procedure is performed:

1. The **cable metering destination nonsecure** command is configured on the CMTS.
2. The **cable metering ipdr session** command is configured with the same time interval and session ID.

Workaround: Execute the **no cable metering destination nonsecure** command first.

Open Caveats—Cisco IOS Release 12.2(33)SCD

- CSCeh33888

Symptoms: A Cisco uBR7246VXR router may reload with configurations set during the last watchdog reset.

Conditions: This issue occurs on a Cisco uBR7246VXR router having a Cisco uBR7200-NPE-G1 processor board and is running Cisco IOS Release 12.3(9a)BC.

Workaround: There is no workaround.

- CSCsl50133

Symptoms: The Cisco uBR7246VXR router reloads with following message:

```
No crashinfo
No tracebacks
Last reload reason: Unknown reason
Last reset from watchdog reset
```

Conditions: This issue was first observed on a Cisco uBR7246VXR (UBR7200-NPE-G1) router running Cisco IOS Release 12.3(17b)BC4.

Workaround: There is no workaround.

- CSCta03480

Symptoms: The configurations on the NPE-G1 processor and a line card do not synchronize.

Conditions: This issue occurs when there is an excess load between the line card and the Cisco uBR7200-NPE-G1 processor board. The modem remains in reject(m) state.

Workaround: Execute the **cable dynamic-secret exclude oui** command.

- CSCta16724

Symptoms: Users with level 15 privilege and a "view" cannot perform Secure Copy (SCP).

Conditions: This issue is observed when a user with a "view" attempts to do an SCP on a router running Cisco IOS Release 12.4(24)T.

Workaround: Remove the "view".

- CSCtc04113

Symptoms: Signal Noise (SN) ratio always shows 0.0 for a Cisco DPC3000 modem.

Conditions: This issue occurs in a Cisco DPC3000 modem as it does not support the current SNMP OID **docsIfSigQSignalNoise** to query the SN ratio.

Workaround: There is no workaround.

- CSCtc27601

Symptoms: The grouping of SSM multicast groups from any source to one group configuration is not possible. The Cisco CMTS treats the following session-range as ASM.

Conditions: This issue occurs in a multicast group configuration.

Workaround: Configure the correct group range with a valid mask. Map the SSM from any source configured as ASM. For example, session-range 239.50.0.0 255.255.0.0.

- CSCtd04983

Symptoms: The Cisco uBR7200 VXR series router crashes when a large number of IPv4 CPE clients rapidly join and leave the multicast groups.

Conditions: This issue is observed only when there are many multicast CPEs.

Workaround: There is no workaround.

- CSCtd15349

Symptoms: The **show cable subscriber-usage** command information is not displayed for a cable modem.

Conditions: This issue occurs when the cable modem is moved to another interface by load balancing.

Workaround: Use **dcc init-tec** command.

- CSCtd48609

Symptoms: The **ccm ipv6_address rcs-counts** command clears all the rcs-counts of all the CMs instead of clearing the ipv6_address specified for the cable modem rcs-counts.

Conditions: This issue occurs on execution of the **ccm ipv6_address rcs-counts** command.

Workaround: Use the **ccm mac_address rcs-counts** command.

- CSCtd54315

Symptoms: The CPE number displayed in the **show cable modem** and **show cable modem registered** commands do not match with the CPE number displayed in the **show cable modem cpe** and **show cable modem ipv6 cpe** command outputs.

Conditions: This issue is observed on the Cisco DPC3000 modem with a general IPv6 configuration.

Workaround: There is no workaround.

- CSCtd57007

Symptoms: The CNR value goes low with added noise and the value continues to remain the same even when the noise is removed.

The CNR value goes low with added noise, and when noise is removed, the CNR value remains same when 75% of the traffic is utilized on robust modulation profile.

Conditions: This issue occurs when the noise is removed and 75% of the traffic is utilized on a robust modulation profile.

Workaround: Reduce the traffic.

- CSCtd57263

Symptoms: Spurious error messages are observed on the CMTS console from IPv6 software.

Conditions: This issue occurs due to excessive start/stop of an IPv6 traffic generator acting as an IPv6 CPE.

Workaround: There is no workaround.

- CSCtd58868

Symptoms: CPUHOG and traceback is observed with multicast traffic.

Conditions: This issue is seen on multicast traffic.

Workaround: There is no workaround.

- CSCtd71335

Symptoms: Memory leak is observed on a Cisco uBR7200 series router.

Conditions: This issue occurs when a cable modem is reset after a reservation is created using RSVP.

Workaround: There is no workaround.

- CSCtd78225

Symptoms: High CPU usage seen after adding **privilege interface** commands.

Conditions: This issue was observed on a Cisco CMTS router running

Cisco IOS Release 12.2(33)SCB5. After adding **privilege interface** commands, the CPU usage peaks. When the configuration is saved, the CPU takes a while to reload.

- Workaround: Do not use **privilege** commands.
- CSCtd90685

Symptoms: Modems cannot move out of penalty using the STM enforce rule.

Conditions: This issue occurs when the parameters configured in the modem configuration file override the reg service class of the STM. As a result, the reg static service class qos template is not a subset of the admitted qos template.

Workaround: Do not override the reg service class in the configuration file.
 - CSCtd90790

Symptoms: The line card crashes when a cable modem configuration file with the NominalGrantInterval value set to 100 is activated.

Conditions: This issue occurs on a Cisco DPC3000 modem with the NominalGrantInterval value set to less than 1000.

Workaround: Set the NominalGrantInterval with a larger valid value.
 - CSCtd91634

Symptoms: The number of CPEs displayed in the **show cable modem** command output is incorrect.

Conditions: This issue is observed on a IPv6 enabled CPE.

Workaround: There is no workaround.
 - CSCtd97055

Symptoms: Tracebacks are seen while toggling IPv6 on and off on the CPE.

Conditions: This issue was observed on a Cisco DPC3000 modem.

Workaround: There is no workaround.
 - CSCte09146

Symptoms: Incorrect “PRC_CONFIG_CHANGE” is returned instead of “PRC_CONFIG_NO_CHANGE”.

Conditions: This issue occurs when the **cable admission-control ds-bandwidth** and **cable admission-control us-bandwidth** commands are run twice in global or interface configuration mode.

Workaround: There is no workaround.
 - CSCte10684

Symptoms: The Cisco CMTS reloads after the status of the integrated cable and cable interface is changed to down when the relative bundle interface is set to down.

Conditions: This issue occurs on a Cisco uBR7200 series router.

Workaround: Shut down the interface using the **shutdown** command and then use the **no shutdown** command.
 - CSCte11273

Symptoms: Incomplete CCN messages are displayed for the integrated cable interface on the Cisco UBR-MC88V, or bundle interface on the Cisco MC28U in configure mode.

Conditions: This issue occurs on a Cisco uBR7200 series router.

Workaround: There is no workaround.

- CSCte14940

Symptoms: Invalid nominator while walking docsQosServiceFlowStatsTable.

Conditions: This issue occurs while walking docsisIf3Mib and docsQos3Mib on the legacy card. The CMTS console displays the following warning message:

```
*Jan 4 17:10:14.726 CST: %UBR7200-4-CACHE_ENGINE_WARNING: Warning: Received buffer with invalid nominator - 3
```

Workaround: There is no workaround.
- CSCte20061

Symptoms: An IPv4 packet is classified as an IPv6 service flow.

Conditions: This issue occurs when a cable modem has both IPv4 and IPv6 classifiers.

Workaround: There is no workaround.
- CSCte20181

Symptoms: The NPE crashes while polling the MIB object **ceffESelectionEntry** after configuring the IP address and the other parameters for the bundle interface.

Conditions: This issue occurs when a removed bundle is reused.

Workaround: Configure a new bundle with a different bundle index instead of reusing the removed bundle.
- CSCte34179

Symptoms: Some service flows can not be retrieved from SNMP tools.

Conditions: This issue occurs when the cable modem configuration file includes service class name.

Workaround: Disable SNMP background synchronization.
- CSCte49359

Symptoms: The **show interface wideband-cable service flow counter** command shows an incorrect output.

Conditions: This issue occurs after the following steps:

 1. Configure two group configuration (GC) with the same session-range but different tos and GQC; one aggregate type GQC and the other as single type GQC.
 2. Send two multicast traffic with session-range in both GC but without the tos in both GC.

All traffic is expected to pass through the default service flow.

Workaround: The traffic passes through the correct service flow. The **show** command output is incorrect. There is no workaround.
- CSCte53032

Symptoms: The modulation profile preamble length for internal usage code (IUC) types, station, and initial becomes very large.

Conditions: This issue is observed on the Cisco uBR10012 routers with Cisco uBR10-MC5X20H-D and UBR-MC20X20V line cards running Cisco IOS Release 12.2(33)SCC and 12.3(23)BC. This may be observed with the Cisco uBR-MC88V cable interface line card.

Workaround: Use a different modulation profile.
- CSCte61597

Symptoms: CPEs in the same IGMPv3 group do not receive multicast.

Conditions: This issue occurs on a Cisco uBR7200 series universal broadband router with the Cisco uBR-MC88V cable interface line card and running Cisco IOS Release 12.2(33)SCD. When CPE from different CMs join the same IGMPv3 group, and a CPE leaves the group, the IGMP group and the DSID are deleted on the CMTS. As a result, until the next general query, the other CPEs in the IGMP group do not receive multicast.

Workaround: Configure static multicast on the CMTS or use IGMPv2 for the CPE.

- CSCte79637

Symptoms: The CMTS may not reject the REG-REQ, which includes invalid DOCSIS QoS classifiers.

Conditions: This issue occurs when the CM configuration file contains both IPv4 fields (other than TCP/UDP source/destination ports) and IPv6 fields in one DOCSIS QoS classifier.

Workaround: There is no workaround.

Resolved Caveats—Cisco IOS Release 12.2(33)SCD

- CSCsz45567

A device running Cisco IOS Software, Cisco IOS XE Software, or Cisco IOS XR Software is vulnerable to a remote denial of service condition if it is configured for Multiprotocol Label Switching (MPLS) and has support for Label Distribution Protocol (LDP).

A crafted LDP UDP packet can cause an affected device running Cisco IOS Software or Cisco IOS XE Software to reload. On devices running affected versions of Cisco IOS XR Software, such packets can cause the device to restart the mpls_ldp process.

A system is vulnerable if configured with either LDP or Tag Distribution Protocol (TDP).

Cisco has released free software updates that address this vulnerability.

Workarounds that mitigate this vulnerability are available.

This advisory is posted at:

<http://www.cisco.com/warp/public/707/cisco-sa-20100324-ldp.shtml>

- CSCta56424

Symptoms: The NPE crashes while deleting files from a corrupted ATA disk.

Conditions: This issue occurs on a Cisco uBR7200 series router when the ATA disk is corrupted and the “cluster chain broken on file” message is displayed.

Workaround: There is no workaround.

- CSCtd56821

Symptoms: The Cisco uBR7225VXR router may crash after running the **show packetcable gate summary** command.

Conditions: This issue was observed with a PacketCable gate created on slot 1/0 on a Cisco uBR7225VXR router.

Workaround: There is no workaround.

