



CHAPTER 2

Caveat List for Cisco IOS Release 12.2(33)SCC

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.



Note

From Cisco IOS Release 12.2(33)SCC4 and later, the Caveats section only 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)SCC7

Bug ID	Description
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco uBR10012 router.
CSCsz23786	Crash observed with simultaneous access to standby nvram and switchover.
CSCsz36328	Cable modems remain in online(pk) and expired states after cable privacy mandatory command is executed.
CSCsz77977	Online Insertion and Removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE.
CSCsz98503	A time delay of a few minutes occurs when multiple cable modems go off on a random upstream.

Bug ID	Description
CSCta05835	Entries in the docsBpi2CmtsMulticastObjects MIB are duplicated after a line card revertback.
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.
CSCtb63955	Adding line card table entries to ccsFlapEntry and ccsCmFlapEntry is taking longer time.
CSCtb67535	The %GENERAL-2-CRITEVENT: error message and tracebacks are observed on a Cisco uBR10000 series router.
CSCtb74904	The service flow counter displays wrong values on the Cisco uBR10012 router after a PRE module switchover.
CSCtb79237	No system log or SNMP trap gets generated when COPS process, that is used for packetcable, fails.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc62096	Dynamic multicast service flow and reserved bandwidth exist even after the removal of the multicast QoS (MQoS) configuration from the second bonding group.
CSCtc98952	Error message is displayed while booting the Cisco uBR-MC20X20V line card with 0 downstream and 20 upstream.
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
CSCtd24347	The Generic Routing Encapsulation (GRE) tunnel does not forward traffic.
CSCtd48609	The ccm ipv6_address rcs-counts command clears the receive channel sets (RCS) for all cable modems instead of a specified cable modem.
CSCtd67202	The secondary port does not become active on the Cisco uBR10012 router when Downstream External PHY Interface (DEPI) control plane is configured.
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 router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
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.
CSCte05596	A false alarm is generated when the CPU utilization is very high.
CSCte07582	The upstream-service-group is removed from the MAC domain after the line card and PRE module switchover.
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.
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.

Bug ID	Description
CSCte15686	Cable modem registration rate for a PRE4 at CMTS bootup is less than the registration rate of a PRE2.
CSCte19017	The CPU utilization of the IGMP Input Process is very high while running simulation test patterns.
CSCte29016	Cable modem drops offline during an In-Service Software Upgrade (ISSU) procedure for line card upgrade.
CSCte36746	An error message was flagged when the Cisco uBR10012 router tried to overwrite the ARP entry.
CSCte36983	The DOCSIS 3.0 General Load Balancing Group (GLBG) exists on the protect line card after a revertback.
CSCte42876	The CMTS may stop forwarding traffic when it receives a broadcast packet or a IP packet with multicast VPN (MVPN) multicast distribution tree (MDT) options set.
CSCte43004	Modems with a shaping rate configured cannot share the bandwidth according to their weights.
CSCte43870	The admission control bucket array overflows and may corrupt the memory adjacent to the admission control array.
CSCte49359	The output of the show interface service flow counter command displays an incorrect result when two group configurations (GCs) are configured with the same session range, but with a different type of service (ToS) and group QoS configuration (GQC).
CSCte55906	Some downstream channels may come up as rf-shutdown when a Cisco uBR-MC20X20V line card should be replaced or Return Material Authorization (RMA) is required.
CSCte57944	Output of the verify /md5 command returns inconsistent results when the image is saved on an external flash disk.
CSCte62448	DOT 1Q Layer 2 VPN traffic counters do not increment when Layer 2 VPN traffic flows through the Cisco CMTS.
CSCte63132	When any service class configuration is changed, a CPU spike on the Route Processor (RP) is observed.
CSCte64393	The ESR-PRE2 card crashes after the Cisco uBR10-MC5X20H/X module crashes.
CSCte72062	The IP address of the RF switch is not refreshed after executing the ip host rfs-1 ip address command.
CSCte74898	The DOCSIS MAC Infrastructure upstream_channel_id safety net performs some false checks.
CSCte75410	The ping command fails for a wideband modem hosted on Cisco uBR-MC20X20V line card after repeated switchover of the PRE module.
CSCte77114	The wideband CM number shown in the show cable mac-domain Cx/y/z rcc command output is incorrect.
CSCte77268	The downstream local upstream command for the Cisco uBR10-MC5X20 line card is missing from the Cisco IOS image.
CSCte79637	The Cisco CMTS may not reject the registration request (REG-REQ) when the cable modem configuration file contains both IPv4 fields (other than TCP or UDP source or destination ports) and IPv6 fields in one DOCSIS QoS classifier.

Bug ID	Description
CSCte80520	Modems cannot go to the online (w-online) state after all the cable line cards are reset when more than two working line cards are configured in a Hot Standby Connection-to-Connection Protocol (HCCP) group.
CSCte84191	There is a mismatch of the BPI index between the line card and the remote SPA when a redundancy is not configured on the line card and the guardian line card is rebooted.
CSCte85016	Rollback fails for the cable admission-control us-bandwidth bucket-no minor major exclusive command.
CSCte90166	The show cable modulation-profiles command displays the modulation profiles for the for the Cisco uBR10-MC5X20H line card.
CSCte91857	Ping fails after the MIB TekReset and line card HA.
CSCte97814	Memory leak is observed on the Cisco CMTS during bootup. This is observed on the Border Gateway Protocol table.
CSCte99379	The cable admission-control ds-bandwidth/us-bandwidth command results in spurious memory access traceback.
CSCtf02278	The SCDMA US "Code per minislot" is set to 4 after configuring the "Spreading Interval frame" to 1.
CSCtf09375	The MAC domain cable interface is configured to shutdown after the card has been powered off with the hw-module <subslot> command. However, when the card is powered on by the no hw-module <subslot> command, the shutdown configuration is missing when the interface comes up.
CSCtf19518	The output of docsIFCMtsModulationTable MIB and the show cable modulation-profile verbose command is inconsistent.
CSCtf20370	When the line card is reverted from the protect mode to the working mode, it crashes the PRE and the working line card.
CSCtf22188	QoS group configurations accepts a ToS value of 256 through SNMP even though the valid range is 0 to 255.
CSCtf26326	When configuring the Cisco CMTS with ISIS, the internal IPC Ethernet address 127.x.x.x is advertised even when no service internal is configured. Also, in this case, the IPC interface cannot be configured by the end user.
CSCtf28287	Continuous "Nickel10G" error is logged on the PRE console of the Cisco CMTS.
CSCtf49834	CMRegStatusValue is not consistent with the RecType2 record for DOCSIS 1.0 and DOCSIS 1.1 cable modems.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf54880	Invalid memory action (malloc) is observed on the Cisco CMTS console when the Cisco CMTS has been idle for an extended period of time.
CSCtf57372	The "IPv6 lookup addr in host has host pointing to freed memory" error message is displayed on the Cisco CMTS.
CSCtf59126	The upstream-service-group gets removed from the CMTS when the Cisco UBR-MC20X20V cable interface line card switchover occurs more than three times, or when the Cisco UBR-MC20X20V cable interface line card switchover occurs, followed by the RP switchover.

Bug ID	Description
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.
CSCtf73047	The show pxf cpu statistics security interface command displays the same information for every interface.
CSCtf76282	If a dual-stack is CPE online, the clear cable host x.x.x command causes the corresponding line card to crash.
CSCtf76524	An IPv6 modem moved into a new MAC Domain that is configured with the cable ip-init ipv4 command, still stays online.
CSCtf77370	The SNMP tool returns an incorrect error message when trying to set the value of the ccqmEnfRuleViolateNotifEnable MIB object.
CSCtf79314	There are duplicate DSID entries allocated to the same session on the same interface.
CSCtf79419	The service Identifier (SID) displays "zero" for multicast Baseline Privacy (BPI) sessions after a line card switchover.
CSCtf82934	The wideband cable modems that are online cannot go w-online after a hardware reset.
CSCtf84980	Overlapping downstream channel IDs in a MAC domain cause conflict in the configuration, thus causing some downstream channels to become unusable.
CSCtf85427	Memory leak occurs when more than 21 profiles are configured in a policy map.
CSCtf85500	The cable modem on the logical channel goes offline after a line card switchover.
CSCtf85532	The Cisco DPC3000 cable modem rejects dynamic bonding change request (DBC-REQ).
CSCtf88832	Traceback occurs when a cable modem is reset.
CSCtf90283	The show depi command returns a traceback error on the Cisco uBR10012 router.
CSCtf93373	Excessive collisions and high CPU usage observed on the Cisco uBR10012 router.
CSCtf95826	An aggregate-address nvgens (nonvolatile generation) the wrong mask for a non-contiguous or an incorrect mask.
CSCtf95877	Traceback occurs when performing an In-Service Software Upgrade (ISSU).
CSCtf98939	The show cable modem ipv6 command does not display the IPv6 stack address.
CSCtf99414	The show controller command shall display BPI information for UBR10-MC20X20 line cards.
CSCtg00424	DHCPv6 SOLICIT messages are dropped by the Cisco CMTS when a static IPv4 CPE attempts to get a dual-stack IP address.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01386	The Cisco CMTS does not drop invalid IPv6 packets with loopback source address.
CSCtg03087	The "spectrum-mgr" assigns frequency to an upstream interface in shutdown state. The show cable spectrum-group displays incorrect results.

Bug ID	Description
CSCtg09730	The show inventory command does not list all compact flash cards.
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.
CSCtg13158	Bundle 1 does not function.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg18963	Error messages are displayed when the dual-stack CPE IPv6 modem tries to come online.
CSCtg21941	DSG tunnel-group cable dsg tg configuration command can not be configured on the bundle subinterfaces.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
CSCtg27367	The test cable dsa command does not work properly for IPv6 Customer Premise Equipment (CPE)
CSCtg33421	The output of show cable modem ipv6 cpe command displays many global IPv6 addresses.
CSCtg46412	The output of the show cable modem x.x.x cpe command does not display the static IPv4 address of the cable modem.
CSCtg46479	The message "REQGRP-6-UNKLCREQ: Received unknown IPC request (50)" is seen on uBR10012 router log periodically. This message is seen when encrypted multicast traffic is used along with a Cisco UBR-MC20X20V cable line card in slot 5, and a remote SPA as a downstream channel.
CSCtg48985	DOCSIS Set-Top Gateway (DSG) multicast static joins are not created in the bundle interface.
CSCtg48989	Inconsistent IPv6 CPE data is displayed in the output of the show running-config command.
CSCtg49064	Hot Standby Connection-to-Connection Protocol (HCCP) group configuration cannot be removed when the working line card is locked.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg49184	The output of the show hccp event-history command displays incorrect error information.
CSCtg49784	Traceback is observed after the cable modem is shifted from the Cisco uBR10-MC5X20 line card to the guardian Cisco UBR-MC20X20V line card.
CSCtg52567	The show running-config command displays the "penalty-period 10080" command when the default value of 10080 is configured.
CSCtg54998	Incorrect decode of the interrupt stack for saved registers is displayed in the crashinfo file.
CSCtg55865	The PRE4 module continuously logs ironbus fault messages when the line card is reboots after a line card crash.
CSCtg61170	Multicast may select the forwarding interface which does not match to the req-attribute mask.

Bug ID	Description
CSCtg65851	An unscheduled reload of the router occurs when the Cisco SIP- 600 SIP is installed to a slot provisioned for the Cisco Wideband SIP.
CSCtg66491	Error message "%IPCGRP-3-ERROR: outgoing IPC bypass failed" is observed when active PRE and standby PRE are loaded with different images and standby PRE goes into RPR mode triggering PRE switchover.
CSCtg67080	Error message "%Error: The LC 5/1 is Protect. Forbid to add its US into FN 5" is observed after Cisco CMTS boots up.
CSCtg67108	The show license commands fail to execute on the Route Processor.
CSCtg68924	"Encountered TBD2 code in cmts_bundle_ipv6_addr" message is observed on the Cisco CMTS console when IPv6 is provisioned on a bundle sub-interface.
CSCtg71590	Traceroute does not include differentiated services code point (DSCP)/TOS precedence bits in all routing configurations.
CSCtg72675	The CMTS ignores the static multicast cable modem interface mask settings in cable modem configuration file.
CSCtg73720	A high CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCtg76834	Error message "... %UBR10000-3-NOMAC: Cannot allocate MAC address for interface ..." is observed after the shutdown and no shutdown of the cable interface on the Cisco uBR10012 router with Cisco UBR-MC20X20V line card.
CSCtg77372	Error message "HCCP_CFG_FAIL: hccp_parse_config" is seen on the Cisco CMTS when the cable upstream minislot-size command is executed.
CSCtg81535	The debug code needs to be enhanced in order to capture the cause for bad timing offset. It does not have any impact on the functionality.
CSCtg83241	Cable modems(CM) configured with Early Authentication and Encryption (EAE) cannot be pinged even if they are in UB online (pt) state.
CSCtg83560	"Invalid Upstream Channel ID" traceback is observed on Cisco CMTS.
CSCtg85867	The CPEs cannot process encrypted multicast traffic when a dynamic multicast session is created on a DPC-300 modem.
CSCtg89197	System and IO Memory Leak may cause fragmentation warning after repeated configuration change of the cable upstream upstream-index max-logical-chans or cable upstream max-ports num-ports commands.
CSCtg89719	BADTXOFFSET error message is displayed on the Cisco CMTS console.
CSCtg90766	Cisco UBR-MC20X20 cable interface line card interrupt line may get stuck in the active state causing the cable modems to remain offline.
CSCtg90865	A non-primary Multicast (MC) interface is selected for multicast forwarding.
CSCtg93115	Tracebacks are seen when the show pxf cable feature-table bundle x command is executed.
CSCtg94564	CMTS crash may be observed due to memory corruption.
CSCtg95289	CMTS may fail to ping IPv6 cable modems.
CSCtg95319	Error message "cable slot/subslot/port is in a fiber node so Bundle cannot be changed" is observed when the bundle number on a Cable MAC domain interface is changed (or removed) using the cable bundle number command.
CSCtg96250	CMTS performs packet filtering even if it is not configured on the CMTS.

Bug ID	Description
CSCtg99640	Cable modems in the reject (epk) and reject (ept) do not get reset when the clear cable modem reject reset command is executed.
CSCth00131	CMTS crashes when the clear cable modem all delete command is executed.
CSCth01285	Multicast traffic is not forwarded across DOCSIS Set-Top Gateway (DSG) tunnels on modular and legacy downstreams.
CSCth01799	The following error may be sometimes displayed on PRE4 log: "PXF_NICKEL-3-FTS_ERROR: FTS SEQUENCE Error: 1 in nicket0/port1"
CSCth02741	High CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCth09854	Cable modem may reject DBC-REQ due to incorrect ranging dynamic window.
CSCth16375	IPv4 classifiers are not synced correctly during Dynamic Channel Change (DCC) operation.
CSCth16981	The CMTS crashes after executing reload command.
CSCth18889	Multicast traffic is not received by the cable modem.
CSCth18973	When there are many downstream TCP sessions active at the same time, Cisco uBR10012 PRE2 may experience packet drops.
CSCth19658	Dynamic Host Configuration Protocol (DHCP) packets are dropped when using L2TPoIPsec.
CSCth22076	Dynamic Bonding Change (DBC) operation fails after the line card switchover.
CSCth29995	A DOCSIS 3.0 Cable modem after coming online, may not respond to the ping command when it is provisioned as DOCSIS 1.0 cable modem and is forced to do Early Authentication and Encryption (EAE).
CSCth30415	PROC_WATCHDOG does not work with the standby PRE on Cisco uBR10012 router.
CSCth30476	TCP-flags does not work as expected in packet filtering when the tcp_mask masks off all the bits in configured tcp_flags.
CSCth32726	When a cable modem (CM) is repeatedly forced reset, the CM certificate is not always revoked although the CM certificate is revoked on the OCSP responder.
CSCth35421	A HTTP fail configuration error is observed when line card high availability member slots are added to a SCDMA configured CMTS.
CSCth37447	The CMTS logs a out of range card slot index error message during a SNMP query of the docsMcstCmtsReplSessEntry MIB object.
CSCth37607	The Cisco UBR-MC8X8V line card CPU utilization is high and admission control fail messages are repeatedly displayed.
CSCth39702	The cable multicast-qos group does not synchronize correctly after a line card switchover.
CSCth45908	The IPv6 cable modems are unreachable when Dynamic Channel Change (DCC) initialization techniques 1-4 are used within a line card on the downstream channel.
CSCth47008	The show cable registered command output has alignment issues at the online status and timing offset statistics.

Bug ID	Description
CSCth50596	The show cable modem IPv6 cpe command output for IPv6 cable modems takes a long time to display.
CSCth56105	The PRE switchover voice dropout is larger than 1 second.
CSCth59049	Downstream service flow statistics display zeroes after an In-Service software upgrade (ISSU) PRE module switchover.
CSCth59215	HCCP-3-CFG_FAIL error messages are observed on the active and standby PRE console. The static multicast packets have different service flows after a line card switchover.
CSCth59322	The guardian line card does not display all the Baseline Privacy Index (BPI) values while executing the show interfaces cable command.
CSCth59516	The low latency service flow is incorrectly created after the 16th downstream service flow is created.
CSCth60315	Multicast sessions are not created after a revertback to the working line card. The default downstream service identifier is not created and security association identifier (SAID) is changed after the switchover.
CSCth61850	Memory leak is observed on the Cisco uBR10012 router with multicast service flows configured.
CSCth63696	After PRE switchover, the JIB TIB ring gets full and no MAP/UCDs is sent to the toaster and as a result the TIB ring of the second JIB is stuck and there is a delay in the cable modem coming online.
CSCth63714	The secondary static service flow is getting stuck when BPI+ is enabled.
CSCth64363	Inconsistent synchronization PRE error messages are displayed when the standby PRE module boots up.
CSCth64941	L2TP daemon error messages and high CPU utilization seen on Cisco CMTS.
CSCth66150	Blaze HM testcase failed error messages are displayed in the log of a Cisco uBR10012 router.
CSCth66177	The standby PRE crash triggers an active PRE crash.
CSCth66444	Cisco uBR10000 series router may experience packet drops during a line card switchover when the cable source-verify command is enabled.
CSCth71339	The %CMTS_LIC-3-INVALID_LIC_INFO error message is erroneously displayed for a line card after the PRE switchover.
CSCth71637	SNMP query on empty docsQosPktClassEntry/docsQos3PktClassEntry/docsLetfQosPktClassEntry takes a long time to return results.
CSCth74132	The protect line card state is not correct after removing the working line card from the high availability group.
CSCth75895	The US LICENSE_REQUEST_FAIL message is displayed while installing evaluation license.
CSCth77566	The CPU HOG error message is displayed when the Cisco CMTS boots up.
CSCth78573	Packet loss is seen on the Cisco CMTS. The packets are intermittently encapsulated and sent to the Cisco Wideband SPA.
CSCth79635	The following message is displayed: %SYS-3-INVMEMINT: Invalid memory action (free) at interrupt level.

Bug ID	Description
CSCth84097	The PRE console hangs.
CSCth84596	The single step ISSU is stuck in 'line card change version all' when all line cards are already shutdown.
CSCth87649	Unable to block specific CPE MAC addresses on the Cisco CMTS. In some cases this can be exploited for DoS attacks.
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.
CSCth90490	The CMTS upstream LED display indicates wrong information whenever the upstream configuration has changed.
CSCth92926	Traceback is observed after changing the modular-host configuration to a different slot.
CSCth93671	Memory leak is observed due to IPDR_EXP_PROC (ipdr_ios_platform_process) on a Cisco uBR10012 router with PRE4.
CSCth96329	The cable modems in Subscriber Traffic Management (STM) is not getting out of penalty after the PRE or line card switchover.
CSCth97868	Dynamic upstream service flows fail on the Cisco UBR-MC20X20V and Cisco uBR-MC88V line cards when Baseline Privacy Interface (BPI) and Service ID (SID) clusters are configured.
CSCti03220	The high availability (HA) cable modems that are voice-enabled are not moved after the PCMM multicast traffic is stopped.
CSCti04149	The line card is not doing a revertback after executing the issu abortversion command.
CSCti06649	The no card command is not accepted even though the line card is not in a redundancy group.
CSCti08817	The default cable filter is not enforced in the hardware on PRE2 and PRE4.
CSCti09242	The "input error" counter under cable interface increases rapidly.
CSCti09825	The show cable multicast dsid command output contains entries with Duplicate Stat Indexes.
CSCti12590	Querying "getnext" with ipCidrRouteDest returns an OID that is not lexicographically larger than the queried OID.
CSCti15168	Packet flow increases after PRE switch or bootup, though the multicast service flow throughput shows a value of zero.
CSCti15835	Traceback is seen on the CMTS console with spurious memory access while reading an offset of 0x24.
CSCti18105	IPC-5-WATERMARK error message is observed on a Cisco uBR10012 router when a given number of IPC messages are sent from the Cisco uBR10-MC5X20 or Cisco UBR-MC20X20V cable line card.
CSCti22081	The (*,G) entry is generated while configuring Source Specific Multicast (SSM) mapping, if the CMTS authorization is deny (S,G).
CSCti23212	Modems using SPA downstreams online(pt) cannot pass layer 3 traffic; IPC channel between Cisco uBR-MC520 and SIP is down.
CSCti23603	The modem does not come online when a protect line card has a lower license.

Bug ID	Description
CSCti27231	The Internet Protocol Detail Record (IPDR) xml file is not using the MAC address of the source interface.
CSCti28695	The ipv6ScopeZoneIndexTable shows null interface.
CSCti30196	CMTS may crash when a SNMP query or any other event makes the CMTS to go through the list of ALL service-flows.
CSCti31148	The RF channel is suspended from unaffected bonding groups.
CSCti31282	A guardian index leak may be observed after reloading the cable line card when it is part of hccp but the protect line card is not configured or is not available.
CSCti31624	After a line card failover, the modem is no longer layer 3 pingable after Authorization Rekey.
CSCti32086	Memory leak is observed on the protect card. The memory is used for packetcable gate database and gate bin.
CSCti32814	Standby CMTS crashes and tracebacks are observed.
CSCti39497	Setting cable filters using SNMP results in incorrect values for tcp-flag.
CSCti41121	Traceback is observed at ipc_issu_session_process.
CSCti41459	The docsQos3PktClassTable is not showing IPv6 classifiers.
CSCti41652	The docsQos3ServiceFlowParamSetTypeStatus is returning wrong values.
CSCti45878	The BPI+ policy fails in PRE4. Traffic is not getting blocked using the default per-device ACL.
CSCti47190	Memory leak is detected after resetting SIP-600.
CSCti48560	The CMTS shows BADTXOFFSET error message.
CSCti48572	The l2tp-class can be deleted while being used by depi-tunnel.
CSCti48676	Minor multicast packet loss on a line card that is part of an Hot Connection to Connection Protocol (HCCP) group.
CSCti48887	The key-index associated with the wideband interfaces for multicast-sessions changes after line card switchover.
CSCti61148	The IPDR doc ID is not consistent with the MAC address of the source interface.
CSCti61284	The DSG MIB, dsgIfClassIncludeInDCD always displays the value as true(1) which is incorrect.
CSCti68035	A CPUHOG message is seen when the microcode reload pxf command is executed.
CSCti70647	HCCP-3-CFG_FAIL error messages are displayed on the standby PRE.
CSCti71234	The ISSU single step operation is not working with non-redundant line cards.
CSCti73720	The multicast service flow counters are incorrect after a PRE switchover when active guardian is different from the configured guardian.
CSCti75368	Static CPE DB entries are incorrectly deleted from the CMTS CPE database.
CSCti77011	Memory leaks are observed on Cisco uBR10-MC5X20H line cards at CMTS root certification.
CSCti77209	CPUHOG messages may be seen when SNMP polling is performed with load balancing enabled.

Bug ID	Description
CSCti79822	Unacknowledged records are being marked as lost records while running the show ipdr session command.
CSCti82203	Some cable modems take a longer time to register with the CMTS running Cisco IOS Release 12.2(33)SCB8 with PRE2 and with more than twenty thousand CMs connected to it.
CSCti86226	An intermediate session routing (ISR) watchdog timeout error is observed on the PRE forcing it to crash consequently.
CSCti86790	There is an SFID mismatch in values in the multicast-session QoS information.
CSCti87411	The active PRE crashes when the CMTS is reloaded during ISSU commitversion.
CSCti91421	An unexpected string name is printed when checking the memory allocating process.
CSCti91689	The wideband CMs in the Partial mode running the line card fails to connect after PRE switchover.
CSCti92961	There is an alignment issue in the display of the show interface Wideband-Cable summary command output.
CSCti96353	It is observed that EPC-3000 modems that use SPA DS as primary may be assigned with AES keys instead of 56DES.
CSCti96732	It is observed that the Received Power shown in the show cable modem x.x.x verbose command would always incorrectly report 0.00 for every upstream in the bonding group when testing upstream performance characteristics by introducing upstream attenuation.
CSCti97605	On a Cisco uBR10012 router running Cisco IOS 12.2(33)SCC5, the input bytes counter from show interface CableX/X/X command decreases, while packet input counter increases and the 30 second input is consistent.
CSCti97626	HA chkpt entity error is observed after a PRE switchover or a line card switchover.
CSCtj01079	The DS-SG is lost when the wideband CM goes offline and comes back NB-online after a PRE switchover.
CSCtj07368	A very high CPU usage is observed when there are many interfaces in the bundle.
CSCtj07700	Cable modems are down when changing the DOCSIS mode from ATDMA to SCDMA and vice versa.
CSCtj13485	Cable modems cannot come w-online on the wideband interface after a downstream license upgrade.
CSCtj16535	A CPUHOG message is observed in PIM process during PRE switchover.
CSCtj17350	Traceback occurs when show depi tunnel command is configured without DEPI Control Plane.
CSCtj17588	The default duration 360 avg-rate 400000 sample-interval 15 up command is not present in the show running-config all command output.
CSCtj23797	Sometimes, cable modems come online reject(pk) initially.
CSCtj25815	Multicast service flow counters fluctuate after a remote Guaridan N+1 switchover.
CSCtj29547	Many new multicast service flows are wrongly created on different downstreams when the Multicast QoS configuration is modified while a multicast session exists on an interface.

Bug ID	Description
CSCtj38571	The downstream resiliency feature does not remove the impaired non-primary RF from the bonding-group with cross-controller configuration.
CSCtj39177	The output of the show interface Wideband-Cable1/1/0:0 service-flow <sfid> counters command fluctuates. The multicast service flow statistics, displayed in the output do not give accurate meaningful flow data.
CSCtj39203	The active PRE crashes on execution of the show cable mutlicast db command.
CSCtj43383	DOCSIS load balance CM list is lost upon line card switchover and revertback.
CSCtj43578	Legacy load balancing group (LBG) should not coexist with DOCSIS LBG on the same MAC domain.
CSCtj51639	Unable to telnet or attach from within Embedded Event Manager (EEM) script.
CSCtj58426	External SNMP scripts take longer to complete when compared to Cisco UBR10-MC5X20H line cards.
CSCtj69254	CPU HOG and traceback occur during a line card switchover.
CSCtj73433	The customer premise equipment (CPE) does not receive dynamic multicast traffic.
CSCtj78901	Wideband cable modems that are downstream frequency override (DFO) by the Cisco load-balance fail to come online with the following error: UBR10000-4-REG_REQ_DS_SELECTION_FAIL: DS Selection failed for Cable Modem.
CSCtj86115	IOS mroute entry may not be deleted even when the last CPE member “left”.
CSCtj87333	The non-default cable load-balance d30-ggrp-default xxxxx configuration is not reapplied to DOCSIS 3.0 General Load Balancing Group (GLBG), if the fiber node is removed and then reapplied.
CSCtj87847	Phy static-mcast should be configured on fwd_intf for static-mcast TLV.
CSCtj88593	The Cisco CMTS router continuously sends LEASEQUERIES for the IP addresses of the customer premises equipment (CPE), when the CPE is behind an offline cable modem.
CSCtj90957	Sending echo requests via ping multiprotocol label switching (MPLS) pseudowire fails on a Cisco uBR10012 router.
CSCtj95258	If TLV 56 is specified in the CM config file, the test cable dbc command is unable to add new channels after CM becomes online in MTC-Mode.
CSCtj99642	Error messages “ALIGN-3-SPURIOUS” or “ALIGN-3-TRACE” are observed when the debug cr10k-rp pkt conditional command is enabled on PRE.
CSCtk04949	A Customer Premise Equipment (CPE), behind DOCSIS 2.0 or MDF-0 cable modem, does not received any traffic.
CSCtk15093	CPE, in one multicast VPN, incorrectly receives traffic destined to a CPE in another multicast VPN.
CSCtk36030	In certain cases, the forwarding rates on the show interface <cable-interface> command are not consistent with the actual multicast traffic forwarding data rate.
CSCtk53548	When severe attenuation is applied, CM remains online however L3 is not pingable.
CSCtk54576	PRE crashes when QoS enforce-rule is unconfigured.

Bug ID	Description
CSCtk65147	DOCSIS 3.0 general load balancing group (GLBG) disappears after line card revert switchover.
CSCtk66954	SPA channels are not included in the DOCSIS3.0 GLBG that is generated by the CMTS based on fiber node configuration.
CSCtk68678	UB modems are unable to recover all upstream channels.
CSCtk69748	When two (at least) fiber nodes (FN) are configured with a mix of modular and integrated CMs, the CMTS sends the MDD of the second FN to the CM's first FN. As a result, CMs cannot lock on to any of the MDDs and come online in iso w-online state.
CSCtk75171	Traceback is observed when the clear packetcable rks all command is executed.
CSCtk75460	After load balancing, when the cable modem (DPC2100) has moved from cable line card x/y/z to SPA card 1/0/0, the cable modem becomes layer 3 non-pingable.
CSCtk80299	The docsLoadbal3GrpStatusTable disappears after PRE switchover.
CSCtk83757	Load balance modem list should not list priority for excluded modems.
CSCtk94751	Default mcast sf MIR is not working as per the specified multicast QoS parameters when the default mqos is un-configured and reconfigured.
CSCtk97694	DCID conflict is observed between primary and secondary channels in a MAC Domain.
CSCtl01672	Multicast authorization fails after line card switchover since CPE cannot receive traffic.
CSCtl03026	DSG tunnel statistics are displayed when the Cisco uBR10-MC5X20 line card downstream interface is in rf-shutdown state.
CSCtl06149	Wrong protect tunnel configuration cannot be directly overwritten by correct configuration. The correct configuration is accepted and the running config is changed, however it does not take into effect.
CSCtl06275	Some of the call home events are not triggered properly during SPA online insertion and removal (OIR).
CSCtl08489	Transient Error Message "%NICKEL10G-3-N10GERREVT: TBB - ERR EVENT MSOP, port 0' is observed on Cisco UBR-MC20X20V line card during PRE switchover.
CSCtl09709	The cable load-balance docsis-group command fails HotICE before & after test.
CSCtl11293	Multicast traffic with MQoS applied may not adhere to the MQoS configuration.
CSCtl24460	Traceback was seen on standby PRE during PRE switchover.
CSCtl42030	Using the show cable modem <ip> qos command can result in inaccurate downstream service flow throughput rate display.
CSCtl46180	The show pxf cable multicast-echo command output for physical/logical static-mcast is empty after Cisco CMTS bootup.
CSCtl47107	After ISSU runversion if the ISSU abortversion is performed, some line cards do not revert back.
CSCtl50000	The show issu comp-matrix negotiated/xml output is inconsistent and confusing.
CSCtl50170	During stress testing, CPUHOG is observed during Subscriber Account Management Interface Specification (SAMIS) operations which eventually causes PRE crash.

Bug ID	Description
CSCt151338	Cisco CMTS crash is observed after ISSU process is performed twice, and issu abortversion and other show commands are executed.
CSCt154475	Cisco CMTS does not recognize TLV64.
CSCt156558	Tracebacks are observed when SFP is inserted in Cisco uBR-MC3GX60V line card, which is currently in standby state.
CSCt157332	Throughput values for multicast service flows on Cisco uBR-MC3GX60V wideband interfaces remains non-zero after the traffic stops.
CSCt160284	The Cisco UBR-MC20X20V line card crashes while operating the cable modem flap list.
CSCt171778	After the wideband SPA crashes, the PXF routes traffic to the wrong wideband SPA. This results the wideband modems, using the WB SPA, to become layer 3 un-pingable.
CSCt172835	Few wideband cable modems intermittently come online in Partial-mode.
CSCt172896	The SPA device's software version is not correctly displayed after an ISSU process.
CSCt183284	CM cannot be moved from w-online to online state.
CSCt185467	An HCCP synchronization error is observed after executing the issu abortversion command.
CSCt187156	CMTS returns an ICMP NA response for an IPv6 enabled branch router during duplicate address detection (DAD), causing branch router to deny the address assignment.
CSCt192608	The show cable dsg tunnel statistics command does not display SF or drop counter information.
CSCt195449	When the whole chassis is reloaded, the downstream RF power is reset to 52 dBmV irrespective of what is configured under the controller. Downstream PHY error messages are also seen in the syslog.
CSCt197410	All line cards crash when the reload of the chassis is performed.
CSCtn01028	The nRTPS traffic is not getting the desired bandwidth after the total min-reserved-rate is configured on the CM.
CSCtn08001	Cable modems that are online but have dropped out of the DS load-balancing group over time are not correctly counted in that group when the show cable modem summery total command is executed.
CSCtn12087	Ping fails to wideband or single channel US BG cable modems.
CSCtn15220	The cable interface is wrongly displayed as "Integrated-Cable" instead of "Modular-Cable" in the show cable modem primary-channel summary cable x/y/z total command output for Cisco uBR-MC3GX60V line card.
CSCtn17888	The Cisco uBR-MC5X20H line card in a Cisco UBR10012 router may crash due to memory corruption.
CSCtn24012	CPE may fail to receive IGMP query after series of LCHA and PRE-HA.
CSCtn25775	The cfg-fail issue may occur during revertback when unloading the RF channel's configuration.
CSCtn26296	The show controller cable command output wrongly reports no modem as online when there are modems up and running.

Bug ID	Description
CSCtn30853	Wideband multicast forwarding may not work on Cisco uBR-3GX60 line card after the CMTS boots up.
CSCtn30971	Downstreams from other MAC domains are wrongly included in the DOCSIS 3.0 General Load Balancing Group (GLBG).
CSCtn35561	The Cisco SIP-600 card does not load FPD correctly and gets stuck in a loop with the the following error message: Error Message SPA TSM Error: WAIT_PSM_READY_TIMEOUT
CSCtn38097	Many SNMP MIBs such as cdxCmCpeTable and CMTS commands such as show cable device access-group may not display the IPv6 cable modems or hosts in their output.
CSCtn42882	There is a drop in the link when the Cisco SFP and the RF gateway uses other vendor's SFPs.
CSCtn45552	Tracebacks and IPC failure is observed on the PRE console.
CSCtn45567	Chunk memory leak observed when static multicast is configured on both Cisco UBR-MC20X20V line cards and SPA cards.
CSCtn57973	Various show cable commands and SNMP MIB outputs may not return all CPEs known to a UBR CMTS.
CSCtn64461	The CPE may not receive multicast traffic when the MQoS is configured.
CSCtn77814	The Cisco MC5x20H line card may crash when disabling the IF output while executing the no cable downstream if-output command.
CSCtn83905	The show cable modem remote-query command does not display values for SNR, US Power, DS Power or Tx Time Offset for IPV6 cable modems.
CSCtn84514	The number of unregistered modems and total modems that are displayed in the output of show cable modem summary total command can be inaccurate with Cisco IOS Release 12.2(33)SCE1.
CSCtn84873	When revertive is configured for the redundancy line card group, the group is displayed as being NON-revertive in the output while executing the show redundancy linecard group all command.
CSCtn84967	CNiR measurements are not consistent across cable line cards and platforms.
CSCtn85759	The Cisco uBR10012 router has crashed when DHCPv6 RENEW is executed against deactivated prefix.
CSCtn86863	DSG TG tunnels are not added to the line card cable interface. The following error message is displayed. "Won't be able to enable the rule. There is a non-DSG static join."
CSCtn87204	A Cisco uBR10012 router running 12.2(33)SCC5 and configured for "SEA" (System Event Archive Health Monitoring) may crash due to memory corruption while executing the show logging system command.
CSCtn88378	The primary PRE crashes while creating the MQoS service flow (SF).
CSCtn88423	The cable modem does not come online and displays the "No Space in RP srv flow table" error.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC7

Bug ID	Description
CSCsg92743	Cisco CMTS router crashes when the show buffers usage command is executed repeatedly.
CSCso99283	A Cisco router or switch may experience a crash when running commands with large output through a Command Scheduler (KRON) policy job.
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.
CSCtc49858	Users with lower privilege levels than enable access may not be able to execute some show cable command options.
CSCtg09261	After a line card switchover, the wideband cable modem may lose Layer 3 connectivity.
CSCtg25471	Memory leaks are observed on Cisco UBR-MC20X20V protect line card although, line card switchover was not performed.
CSCth16715	Standby performance routing engine (PRE) may crash when UBR10K RP-CLC ISSU PROXY RF client fails to complete the RF_PROG_ISSU_NEGOTIATION progression.
CSCth25634	Password is prompted for twice for authentication when login authentication has the line password as fallback and RADIUS as primary.
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 .
CSCth86397	Rate-limiting on the upstream channel is activated before the peak rate is reached leading to bandwidth requests being dropped prematurely on the Cisco UBR10-MC20X20 line card.
CSCth87831	The show cable calls command displays the interface with upstream channel bonding even if there are no voice call associated with that particular interface.
CSCti01378	The show cable modem x.y.z qos or show cable modem x.y.z service-flow [verbose] command displays very high throughput values for a short time when traffic rates are much lower than reported.
CSCti09257	The DOCSIS 3.0 PC call stops working after the media terminal adapter (MTA) goes into a partial mode of one downstream.
CSCti12998	The cable modem might lose IP connectivity. The cable modem stays connected to the Cisco CMTS, but no data frames go through the upstream.
CSCti15767	UBR10K-6-CM_INCONSISTENCY message is observed on new active PRE after a PRE switchover and after the standby PRE boots, some UBR10000-3-DOCSIS_SYNC_SF messages are printed.

Bug ID	Description
CSCti25339	Cisco IOS device may experience a device reload when the Cisco IOS device is configured for SNMP and receives certain SNMP packets from an authenticated user.
CSCti33334	CPE is not receiving multicast traffic data packets after the Cisco uBR-MC20X20V cable line card failover.
CSCti40837	Wideband modems do not go wideband online when a MAC domain has multiple MD-DS-SGs.
CSCti53665	Memory leaks in small chunks from the line card.
CSCti54631	Cable modems using SPA downstreams online(pt) cannot pass layer 3 traffic; IPC channel between Cisco uBR-MC520 and SIP is down.
CSCti60624	Line card switchover during voice calls is crashing the protect line card.
CSCti80157	When performing an ISSU line card abortversion during ISSU-MS operations, the system will begin the ISSU process for all upgraded CLCs without regard to the PLC state.
CSCti83235	The standby RP does not retain its original state after the issu abortversion command is executed.
CSCti84300	Wideband and modular statistics are displayed incorrectly as 0 after the issu run-version command is executed and the PRE switches over to the new image.
CSCtj00656	The PRE crashes when the Internet Protocol Data Records (IPDR) session is re-configured and when the IPDR exporter is started or stopped.
CSCtj00711	The cable remote query ignores the configured source IP address as set by the cable modem remote-query src-ip command and wrongly considers the bundle cable IP address as source address.
CSCtj14216	Line card crashes during bootup and machine check exception error is displayed.
CSCtj30579	On a Cisco UBR-MC20X20 LC, cable modems (with BPI enabled) having their primary service flow on a local downstream and a secondary unicast service flow on a SPA, may lose L3 IP connectivity on the secondary service flow.
CSCtj44598	Cable modems are unable to register online.
CSCtj54510	PRE crashed at "docs_cpetype_ipdr_sender" after "hw-module reset" on the line card.
CSCtj56019	Mibwalk dot1dBridge using mst context does not return correct info.
CSCtj60160	The Downstream Channel Descriptor (DCD) counters for DSG do not increment after a line card failover.
CSCtj65972	MRI unlink error is seen on Cisco uBR10012 router.
CSCtj76035	If a cable modem undergoes vacillating attenuation, it gets into a power average enable mode (where the "*" displays in the "show cable modem" next to the power level) and then gets stuck in that mode. Even though the cable modem is at maximum power, it continues to stay in power average enable mode and never falls offline. In most cases, this results in the cable modem losing layer 3 traffic entirely without giving any notification that the modem dropped offline.
CSCtj77440	The test hccp rfs witch relay command fails to execute from the Secure Shell (SSH) mode.
CSCtj90337	Traceback observed on the Cisco UBR-MC20X20V and Cisco uBR-MC3GX60V line cards due to the Command Scheduler (KRON) configuration issue.

Bug ID	Description
CSCtj93145	The downstream packet is dropped instead of being forwarded by primary service flow when the downstream classifier is configured for multiprotocol label switching (MPLS) L2VPN Business Services over DOCSIS (BSoD) cable modem and the downstream packet has exp value 0 but there is no matching classifier.
CSCtk09023	Mismatch in secondary service flow between the route processor and the cable line card causes loss of traffic.
CSCtk11662	Spurious Push Button interrupts are detected by the DTCC card.
CSCtk48167	Cable modem with MDF 2 cannot receive encrypted multicast on Cisco UBR-MC20X20V line card wideband interface.
CSCtk59482	Active PRE crashes when the redundancy force-switchover main-cpu command is executed on standby PRE.
CSCtk61463	Wideband cable modems go offline after line card switchover.
CSCtk75107	Excessive number of "Config update master:Bundle...." console messages, such as ""Config update master:Bundle1, slave:Cable6/0/2"" are being displayed.
CSCtl04405	The CMTS assigns cable modems to Restricted Load Balance Groups (RLBGs) to which the cable modem is not physically connected to.
CSCtl18624	Route Processor (RP) crashes on multicast QoS routine.
CSCtl19597	Changing IGMP query Interval to higher interval causes the mroute to prematurely timeout.
CSCtl46150	The Cisco uBR10K PRE4 crashes when the upstream Cable x/y connector command is executed.
CSCtl60318	Line card, which is not in HCCP group, does not revert back after ISSU abortversion.
CSCtl70740	The US SF database of line card and route processor may be out of sync.
CSCtl81115	Incorrect information in logged in SAMIS log file.
CSCtl89896	Error Messages %UBR10000-4-SERVICE_FLOW_ZERO_BLAZE_INDEX_ERROR and%UBR10000-2-CMTS_INDEX_TABLE_FULL are observed on the CMTS.
CSCtn00931	IPv6 set-top box may not receive IPv6 control packets.

Open Caveats—Cisco IOS Release 12.2(33)SCC6

Bug ID	Description
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco uBR10012 router.
CSCsz36328	Cable modems remain in online(pk) and expired states after cable privacy mandatory command is executed.
CSCsz49382	Cable modems do not respond to Layer 3 pings.
CSCsz77977	Online Insertion and Removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE.

Bug ID	Description
CSCsz98503	A time delay of a few minutes occurs when multiple cable modems go off on a random upstream.
CSCta05835	Entries in the docsBpi2CmtsMulticastObjects MIB are duplicated after a line card revertback.
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.
CSCtb63955	Adding line card table entries to ccsFlapEntry and ccsCmFlapEntry is taking longer time.
CSCtb67535	The %GENERAL-2-CRITEVENT: error message and tracebacks are observed on a Cisco uBR10000 series router.
CSCtb74904	The service flow counter displays wrong values on the Cisco uBR10012 router after a PRE module switchover.
CSCtb79237	No system log or SNMP trap gets generated when COPS process, that is used for packetcable, fails.
CSCtc27601	Unable to set session-range for source specific multicast (SSM) group configuration.
CSCtc62096	Dynamic multicast service flow and reserved bandwidth exist even after the removal of the multicast QoS (MQoS) configuration from the second bonding group.
CSCtc98952	Error message is displayed while booting the Cisco uBR-MC20X20V with 0 downstream and 20 upstream.
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
CSCtd24347	The Generic Routing Encapsulation (GRE) tunnel does not forward traffic.
CSCtd48609	The ccm ipv6_address rcs-counts command clears the receive channel sets (RCS) for all cable modems instead of a specified cable modem.
CSCtd67202	The secondary port does not become active on the Cisco uBR10012 router when Downstream External PHY Interface (DEPI) control plane is configured.
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 router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
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).
CSCte05596	A false alarm is generated when the CPU utilization is very high.
CSCte07582	The upstream-service-group is removed from the MAC domain after the line card and PRE module switchover.

Bug ID	Description
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.
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.
CSCte15686	Cable modem registration rate for a PRE4 at CMTS bootup is less than the registration rate of a PRE2.
CSCte19017	The CPU utilization of the IGMP Input Process is very high while running simulation test patterns.
CSCte29016	Cable modem drops offline during an In-Service Software Upgrade (ISSU) procedure for line card upgrade.
CSCte36746	An error message was flagged when the Cisco uBR10012 router tried to overwrite the ARP entry.
CSCte36983	The DOCSIS 3.0 General Load Balancing Group (GLBG) exists on the protect line card after a revertback.
CSCte42876	The CMTS may stop forwarding traffic when it receives a broadcast packet or a IP packet with multicast VPN (MVPN) multicast distribution tree (MDT) options set.
CSCte43004	Modems with a shaping rate configured cannot share the bandwidth according to their weights.
CSCte43870	The admission control bucket array overflows and may corrupt the memory adjacent to the admission control array.
CSCte49359	The output of the show interface service flow counter command displays an incorrect result when two group configurations (GCs) are configured with the same session range, but with a different type of service (ToS) and group QoS configuration (GQC).
CSCte55906	Some downstream channels may come up as rf-shutdown when a Cisco uBR-MC20X20V line card should be replaced or Return Material Authorization (RMA) is required.
CSCte57944	The results of the command "verify /md5" return inconsistent results when the image is saved on an external flash disk.
CSCte62448	DOT 1Q Layer 2 VPN traffic counters do not increment when Layer 2 VPN traffic flows through the Cisco CMTS.
CSCte63132	When any service class configuration is changed, a CPU spike on the Route Processor (RP) is observed.
CSCte64393	The ESR-PRE2 card crashes after the Cisco uBR10-MC5X20H/X module crashes.
CSCte72062	The IP address of the RF switch is not refreshed after executing the ip host rfsw-1 ip address command.
CSCte74898	The DOCSIS MAC Infrastructure upstream_channel_id safety net performs some false checks.
CSCte75410	The ping command fails for a wideband modem hosted on Cisco uBR-MC20X20V line card after repeated switchover of the PRE module.
CSCte77268	The downstream local upstream command for the Cisco uBR10-MC5X20 line card is missing from the Cisco IOS image.

Bug ID	Description
CSCte79637	The Cisco CMTS may not reject the registration request (REG-REQ) when the cable modem configuration file contains both IPv4 fields (other than TCP or UDP source or destination ports) and IPv6 fields in one DOCSIS QoS classifier.
CSCte80520	Modems cannot go the online (w-online) state after all the cable line cards are reset when more than two working line cards are configured in a Hot Standby Connection-to-Connection Protocol (HCCP) group.
CSCte84191	There is a mismatch of the BPI index between the line card and the remote SPA when a redundancy is not configured on the line card and the guardian line card is rebooted.
CSCte85016	Rollback fails for the cable admission-control us-bandwidth bucket-no minor major exclusive command.
CSCte90166	The show cable modulation-profiles command displays the modulation profiles for the for the Cisco uBR10-MC5X20H line card.
CSCte91857	Ping fails after the MIB TekReset and line card HA.
CSCte97814	Memory leak is observed on the Cisco CMTS during bootup. This is observed on the Border Gateway Protocol table.
CSCte99379	The cable admission-control ds-bandwidth/us-bandwidth command results in spurious memory access traceback.
CSCtf02278	The SCDMA US "Code per minislots" is set to 4 after configuring the "Spreading Interval frame" to 1.
CSCtf06267	An IPv6 CPE cannot communicate with the Cisco CMTS after the ND cache is cleared.
CSCtf09375	The MAC domain cable interface is configured to shutdown after the card has been powered off with the hw-module <subslot> command. However, when the card is powered on by the no hw-module <subslot> command, the shutdown configuration is missing when the interface comes up.
CSCtf19518	The output of docsIFCMtsModulationTable MIB and the show cable modulation-profile verbose command is inconsistent.
CSCtf20370	When the line card is reverted from the protect mode to the working mode, it crashes the PRE and the working line card.
CSCtf22188	QoS group configurations accepts a ToS value of 256 through SNMP even though the valid range is 0 to 255.
CSCtf26326	When configuring the Cisco CMTS with ISIS, the internal IPC Ethernet address 127.x.x.x is advertised even when no service internal is configured. Also, in this case, the IPC interface cannot be configured by the end user.
CSCtf28287	Continuous "Nickel10G" error is logged on the PRE console of the Cisco CMTS.
CSCtf49834	CMRegStatusValue is not consistent with the RecType2 record for DOCSIS 1.0 and DOCSIS 1.1 cable modems.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf54880	Invalid memory action (malloc) is observed on the Cisco CMTS console when the Cisco CMTS has been idle for an extended period of time.
CSCtf57372	The "IPv6 lookup addr in host has host pointing to freed memory" error message is displayed on the Cisco CMTS.

Bug ID	Description
CSCtf59126	The upstream-service-group gets removed from the CMTS when the Cisco UBR-MC20X20V cable interface line card switchover occurs more than three times, or when the Cisco UBR-MC20X20V cable interface line card switchover occurs, followed by the RP switchover.
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.
CSCtf73047	The show pxf cpu statistics security interface command displays the same information for every interface.
CSCtf76282	If a dual-stack is CPE online, the clear cable host x.x.x command causes the corresponding line card to crash.
CSCtf76524	An IPv6 modem moved into a new MAC Domain that is configured with the cable ip-init ipv4 command, still stays online.
CSCtf77370	The SNMP tool returns an incorrect error message when trying to set the value of the ccqmEnfRuleViolateNotifEnable MIB object.
CSCtf79314	There are duplicate DSID entries allocated to the same session on the same interface.
CSCtf79419	The service Identifier (SID) displays "zero" for multicast Baseline Privacy (BPI) sessions after a line card switchover.
CSCtf82934	The wideband cable modems that are online cannot go w-online after a hardware reset.
CSCtf84980	Overlapping downstream channel IDs in a MAC domain cause conflict in the configuration, thus causing some downstream channels to become unusable.
CSCtf85427	Memory leak occurs when more than 21 profiles are configured in a policy map.
CSCtf85500	The cable modem on the logical channel goes offline after a line card switchover.
CSCtf85532	The Cisco DPC3000 cable modem rejects dynamic bonding change request (DBC-REQ).
CSCtf88832	Traceback occurs when a cable modem is reset.
CSCtf90283	The show depi command returns a traceback error on the Cisco uBR10012 router.
CSCtf90859	Memory allocation failure is observed on the Cisco router after fast channel change with dynamic multicast.
CSCtf93373	Excessive collisions and high CPU usage observed on the Cisco uBR10012 router.
CSCtf95826	An aggregate-address nvgens (nonvolatile generation) the wrong mask for a non-contiguous or an incorrect mask.
CSCtf95877	Traceback occurs when performing an In-Service Software Upgrade (ISSU).
CSCtf98939	The show cable modem ipv6 command does not display the IPv6 stack address.
CSCtf99414	The show controller command shall display BPI information for UBR10-MC20X20 line cards.
CSCtg00424	DHCPv6 SOLICIT messages are dropped by the Cisco CMTS when a static IPv4 CPE attempts to get a dual-stack IP address.

Bug ID	Description
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01386	The Cisco CMTS does not drop invalid IPv6 packets with loopback source address.
CSCtg03087	The "spectrum-mgr" assigns frequency to an upstream interface in shutdown state. The show cable spectrum-group displays incorrect results.
CSCtg09261	After a line card switchover, the wideband cable modem may lose Layer 3 connectivity.
CSCtg09730	The show inventory command does not list all compact flash cards.
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.
CSCtg13158	Bundle 1 does not function.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg18963	Error messages are displayed when the dual-stack CPE IPv6 modem tries to come online.
CSCtg21941	DSG tunnel-group cable dsgr tg configuration command can not be configured on the bundle subinterfaces.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
CSCtg25471	Memory leaks are observed on Cisco UBR-MC20X20V protect line card although, line card switchover was not performed.
CSCtg27367	The test cable dsa command does not work properly for IPv6 Customer Premise Equipment (CPE)
CSCtg33421	The output of show cable modem ipv6 cpe command displays many global IPv6 addresses.
CSCtg46412	The output of the show cable modem x.x.x cpe command does not display the static IPv4 address of the cable modem.
CSCtg46479	The message "REQGRP-6-UNKLCREQ: Received unknown IPC request (50)" is seen on uBR10012 router log periodically. This message is seen when encrypted multicast traffic is used along with a Cisco UBR-MC20X20V cable line card in slot 5, and a remote SPA as a downstream channel.
CSCtg48985	DOCSIS Set-Top Gateway (DSG) multicast static joins are not created in the bundle interface.
CSCtg48989	Inconsistent IPv6 CPE data is displayed in the output of the show running-config command.
CSCtg49064	Hot Standby Connection-to-Connection Protocol (HCCP) group configuration cannot be removed when the working line card is locked.
CSCtg49121	Tracebacks are seen from the ATOM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg49184	The output of the show hccp event-history command displays incorrect error information.

Bug ID	Description
CSCtg49784	Traceback is observed after the cable modem is shifted from the Cisco uBR10-MC5X20 line card to the guardian Cisco UBR-MC20X20V line card.
CSCtg52567	The show running-config command displays the "penalty-period 10080" command when the default value of 10080 is configured.
CSCtg54998	Incorrect decode of the interrupt stack for saved registers is displayed in the crashinfo file.
CSCtg55865	The PRE4 module continuously logs ironbus fault messages when the line card is reboots after a line card crash.
CSCtg61170	Multicast may select the forwarding interface which does not match to the req-at-tribute mask.
CSCtg65851	An unscheduled reload of the router occurs when the Cisco SIP- 600 SIP is installed to a slot provisioned for a the Cisco Wideband SIP.
CSCtg66491	Error message "%IPCGRP-3-ERROR: outgoing IPC bypass failed" is observed when active PRE and standby PRE are loaded with different images and standby PRE goes into RPR mode triggering PRE switchover.
CSCtg67080	Error message "%Error: The LC 5/1 is Protect. Forbid to add its US into FN 5" is observed after Cisco CMTS boots up.
CSCtg67108	The show license commands fail to execute on the Route Processor.
CSCtg68924	"Encountered TBD2 code in cmts_bundle_ipv6_addr" message is observed on the Cisco CMTS console when IPv6 is provisioned on a bundle sub-interface.
CSCtg72675	The CMTS ignores the static multicast cable modem interface mask settings in cable modem configuration file.
CSCtg73720	A high CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCtg76834	Error message "... %UBR10000-3-NOMAC: Cannot allocate MAC address for interface ..." is observed after the shutdown and no shutdown of the cable interface on the Cisco uBR10012 router with Cisco UBR-MC20X20V line card.
CSCtg77372	Error message "HCCP_CFG_FAIL: hccp_parse_config" is seen on the Cisco CMTS when the cable upstream minislot-size command is executed.
CSCtg81535	The debug code needs to be enhanced in order to capture the cause for bad timing offset. It does not have any impact on the functionality.
CSCtg83241	Cable modems(CM) configured with Early Authentication and Encryption (EAE) cannot be pinged even if they are in UB online (pt) state.
CSCtg83560	"Invalid Upstream Channel ID" traceback is observed on Cisco CMTS.
CSCtg85867	The CPEs cannot process encrypted multicast traffic when a dynamic multicast session is created on a DPC-300 modem.
CSCtg89197	System and IO Memory Leak may cause fragmentation warning after repeated configuration change of the cable upstream upstream-index max-logical-chans or cable upstream max-ports num-ports commands.
CSCtg89719	BADTXOFFSET error message is displayed on the Cisco CMTS console.
CSCtg90766	Cisco uBR-MC20X20 cable interface line card interrupt line may get stuck in the active state causing the cable modems to remain offline.

Bug ID	Description
CSCtg90865	A non-primary Multicast (MC) interface is selected for multicast forwarding.
CSCtg93115	Tracebacks are seen when the show pxf cable feature-table bundle x command is executed.
CSCtg94564	CMTS crash may be observed due to memory corruption.
CSCtg95289	CMTS may fail to ping IPv6 cable modems.
CSCtg95319	Error message "cable <i>slot/subslot/port</i> is in a fiber node so Bundle cannot be changed" is observed when the bundle number on a Cable MAC domain interface is changed (or removed) using the cable bundle number command.
CSCtg96250	CMTS performs packet filtering even if it is not configured on the CMTS.
CSCtg99640	Cable modems in the reject (epk) and reject (ept) do not get reset when the clear cable modem reject reset command is executed.
CSCth00131	CMTS crashes when the clear cable modem all delete command is executed.
CSCth01799	The following error may be sometimes displayed on PRE4 log: "PXF_NICKEL-3-FTS_ERROR: FTS SEQUENCE Error: 1 in nicket0/port1"
CSCth02741	High CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCth09854	Cable modem may reject DBC-REQ due to incorrect ranging dynamic window.
CSCth15663	Subscriber Traffic Management (STM) does not work in both monitoring modes on modular-Cable interface.
CSCth16375	IPv4 classifiers are not synced correctly during Dynamic Channel Change (DCC) operation.
CSCth16981	The CMTS crashes after executing reload command.
CSCth18889	Multicast traffic is not received by the cable modem.
CSCth18973	When there are many downstream TCP sessions active at the same time, Cisco uBR10012 PRE2 may experience packet drops.
CSCth22076	Dynamic Bonding Change (DBC) operation fails after the line card switchover.
CSCth29995	A DOCSIS 3.0 Cable modem after coming online, may not respond to the ping command when it is provisioned as DOCSIS 1.0 cable modem and is forced to do Early Authentication and Encryption (EAE).
CSCth30415	PROC_WATCHDOG does not work with the standby PRE on Cisco uBR10012 router.
CSCth30476	TCP-flags does not work as expected in packet filtering when the tcp_mask masks off all the bits in configured tcp_flags.
CSCth32726	When a cable modem (CM) is repeatedly forced reset, the CM certificate is not always revoked although the CM certificate is revoked on the OCSP responder.
CSCth35421	A HTTP fail configuration error is observed when line card high availability member slots are added to a SCDMA configured CMTS.
CSCth37447	The CMTS logs a out of range card slot index error message during a SNMP query of the docsMcastCmtsReplSessEntry MIB object.
CSCth37607	The Cisco UBR-MC8X8V line card CPU utilization is high and admission control fail messages are repeatedly displayed.

Bug ID	Description
CSCth39702	The cable multicast-qos group does not synchronize correctly after a line card switchover.
CSCth44289	The standby PRE processor module resets when the depi tunnel is removed from the configuration.
CSCth45908	The IPv6 cable modems are unreachable when Dynamic Channel Change (DCC) initialization techniques 1-4 are used within a line card on the downstream channel.
CSCth47008	The show cable registered command output has alignment issues at the online status and timing offset statistics.
CSCth50596	The show cable modem IPv6 cpe command output for IPv6 cable modems takes a long time to display.
CSCth54435	The customer premises equipment (CPE) fails to receive multicast traffic from the Cisco uBR10012 router, when SPA channels are added to a Cisco UBR10-MC2X020 line card with downstream service group configuration.
CSCth56105	The PRE switchover voice dropout is larger than 1 second.
CSCth59049	Downstream service flow statistics display zeroes after an In-Service software upgrade (ISSU) PRE module switchover.
CSCth59215	HCCP-3-CFG_FAIL error messages are observed on the active and standby PRE console. The static multicast packets have different service flows after a line card switchover.
CSCth59322	The guardian line card does not display all the Baseline Privacy Index (BPI) values while executing the show interfaces cable command.
CSCth59516	The low latency service flow is incorrectly created after the 16th downstream service flow is created.
CSCth60315	Multicast sessions are not created after a revertback to the working line card. The default downstream service identifier is not created and security association identifier (SAID) is changed after the switchover.
CSCth61850	Memory leak is observed on the Cisco uBR10012 router with multicast service flows configured.
CSCth63696	After PRE switchover, the JIB TIB ring gets full and no MAP/UCDs is sent to the toaster and as a result the TIB ring of the second JIB is stuck and there is a delay in the cable modem coming online.
CSCth63714	The secondary static service flow is getting stuck when BPI+ is enabled.
CSCth64363	Inconsistent synchronization PRE error messages are displayed when the standby PRE module boots up.
CSCth64941	L2TP daemon error messages and high CPU utilization seen on Cisco CMTS.
CSCth66150	Blaze HM testcase failed error messages are displayed in the log of a Cisco uBR10012 router.
CSCth66177	The standby PRE crash triggers an active PRE crash.
CSCth66444	Cisco uBR10000 series router may experience packet drops during a line card switchover when the cable source-verify command is enabled.
CSCth71339	The %CMTS_LIC-3-INVALID_LIC_INFO error message is erroneously displayed for a line card after the PRE switchover.

Bug ID	Description
CSCth71637	SNMP query on empty docsQosPktClassEntry/docsQos3PktClassEntry/docsLet-fQosPktClassEntry takes a long time to return results.
CSCth72064	The wideband cable modems connected to the downstream bonding channel group with non-primary channel impairment are unreachable. The packet count does not increase in the PRE module.
CSCth74132	The protect line card state is not correct after removing the working line card from the high availability group.
CSCth75895	The US LICENSE_REQUEST_FAIL message is displayed while installing evaluation license.
CSCth77566	The CPU HOG error message is displayed when the Cisco CMTS boots up.
CSCth78573	Packet loss is seen on the Cisco CMTS. The packets are intermittently encapsulated and sent to the Cisco Wideband SPA.
CSCth79635	The following message is displayed: %SYS-3-INVMEMINT: Invalid memory action (free) at interrupt level.
CSCth84097	The PRE console hangs.
CSCth84596	The single step ISSU is stuck in 'line card change version all' when all line cards are already shutdown.
CSCth86397	Rate-limiting on the upstream channel is activated before the peak rate is reached leading to bandwidth requests being dropped prematurely on the Cisco UBR10-MC20X20 line card.
CSCth87649	Unable to block specific CPE MAC addresses on the Cisco CMTS. In some cases this can be exploited for DoS attacks.
CSCth87831	The show cable calls command displays the interface with upstream channel bonding even if there are no voice call associated with that particular 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.
CSCth90490	The CMTS upstream LED display indicates wrong information whenever the upstream configuration has changed.
CSCth92926	Traceback is observed after changing the modular-host configuration to a different slot.
CSCth92967	The Cisco uBR10-MC5X20 line card crashes after changing the TEK lifetime to 180 seconds.
CSCth93671	Memory leak is observed due to IPDR_EXP_PROC (ipdr_ios_platform_process) on a Cisco uBR10012 router with PRE4.
CSCth96329	The cable modems in Subscriber Traffic Management (STM) is not getting out of penalty after the PRE or line card switchover.
CSCth97868	Dynamic upstream service flows fail on the Cisco UBR-MC20X20V and Cisco uBR-MC88V line cards when Baseline Privacy Interface (BPI) and Service ID (SID) clusters are configured.
CSCti01378	The show cable modem x.y.z qos or show cable modem x.y.z service-flow [verbose] command displays very high throughput values for a short time when traffic rates are much lower than reported.

Bug ID	Description
CSCti03220	The high availability (HA) cable modems that are voice-enabled are not moved after the PCMM multicast traffic is stopped.
CSCti04149	The line card is not doing a revertback after executing the issu abortversion command.
CSCti06649	The no card command is not accepted even though the line card is not in a redundancy group.
CSCti08817	The default cable filter is not enforced in the hardware on PRE2 and PRE4.
CSCti09242	The "input error" counter under cable interface increases rapidly.
CSCti09257	The DOCSIS 3.0 PC call stops working after the media terminal adapter (MTA) goes into a partial mode of one downstream.
CSCti09825	The show cable multicast dsid command output contains entries with Duplicate Stat Indexes.
CSCti12590	Querying "getnext" with ipCidrRouteDest returns an OID that is not lexicographically larger than the queried OID.
CSCti12998	The cable modem might lose IP connectivity. The cable modem stays connected to the Cisco CMTS, but no data frames go through the upstream.
CSCti15168	Packet flow increases after PRE switch or bootup, though the multicast service flow throughput shows a value of zero.
CSCti15767	UBR10K-6-CM_INCONSISTENCY message is observed on new active PRE after a PRE switchover and after the standby PRE boots, some UBR10000-3-DOCSIS_SYNC_SF messages are printed.
CSCti15835	Traceback is seen on the CMTS console with spurious memory access while reading an offset of 0x24.
CSCti18105	IPC-5-WATERMARK error message is observed on a Cisco uBR10012 router when a given number of IPC messages are sent from the Cisco uBR10-MC5X20 or Cisco UBR-MC20X20V cable line card.
CSCti22081	The (*,G) entry is generated while configuring Source Specific Multicast (SSM) mapping, if the CMTS authorization is deny (S,G).
CSCti23212	Modems using SPA downstreams online(pt) cannot pass layer 3 traffic; IPC channel between Cisco uBR-MC520 and SIP is down.
CSCti23603	The modem does not come online when a protect line card has a lower license.
CSCti27231	The Internet Protocol Detail Record (IPDR) xml file is not using the MAC address of the source interface.
CSCti28695	The ipv6ScopeZoneIndexTable shows null interface.
CSCti29484	The interface column length of show cable modem cx/y/z docsis version summary needs to be increased.
CSCti30196	CMTS may crash when a SNMP query or any other event makes the CMTS to go through the list of ALL service-flows.
CSCti31148	The RF channel is suspended from unaffected bonding groups.
CSCti31282	A guardian index leak may be observed after reloading the cable line card when it is part of hccp but the protect line card is not configured or is not available.
CSCti31624	After a line card failover, the modem is no longer layer 3 pingable after Authorization Rekey.

Bug ID	Description
CSCti32086	Memory leak is observed on the protect card. The memory is used for packetcable gate database and gate bin.
CSCti32814	Stand-by CMTS crashes and tracebacks are observed.
CSCti32894	The cable modems are getting only IPv6 addresses after configuring dual-stack.
CSCti33334	CPE is not receiving multicast traffic data packets after the Cisco uBR-MC20X20V line card failover.
CSCti39497	Setting cable filters using SNMP results in incorrect values for tcp-flag.
CSCti41121	Traceback is observed at ipc_issu_session_process.
CSCti41459	The docsQos3PktClassTable is not showing IPv6 classifiers.
CSCti41652	The docsQos3ServiceFlowParamSetTypeStatus is returning wrong values.
CSCti41765	The line card runs out of memory when multicast sends dynamic bonding change (DBC) requests too fast and DBC has to queue them all.
CSCti41856	Traceback occurs due to corruption of a previously freed packet buffer.
CSCti45878	The BPI+ policy fails in PRE4. Traffic is not getting blocked using the default per-device ACL.
CSCti47001	The line card stops responding while monitoring the cable modem statistics.
CSCti47190	Memory leak is detected after resetting SIP-600.
CSCti48560	The CMTS shows BADTXOFFSET error message.
CSCti48572	The l2tp-class can be deleted while being used by depi-tunnel.
CSCti48676	Minor multicast packet loss on a line card that is part of an Hot Connection to Connection Protocol (HCCP) group.
CSCti48805	Packet cable calls are getting stuck at 'alloc/commit' state.
CSCti48887	The key-index associated with the wideband interfaces for multicast-sessions changes after line card switchover.
CSCti53665	Memory leaks in small chunks from the line card.
CSCti60624	Line card switchover during voice calls is crashing the protect line card.
CSCti61148	The IPDR doc ID is not consistent with the MAC address of the source interface.
CSCti61284	The DSG MIB, dsgIfClassIncludeInDCD always displays the value as true(1) which is incorrect.
CSCti70647	HCCP-3-CFG_FAIL error messages are displayed on the standby PRE.
CSCti71017	Incorrect QoS parameters are set on PCMM calls for wideband modems.
CSCti71234	The ISSU single step operation is not working with non-redundant line cards.
CSCti73720	The multicast service flow counters are incorrect after a PRE switchover when active guardian is different from the configured guardian.
CSCti75368	Static CPE DB entries are incorrectly deleted from the CMTS CPE database.
CSCti77011	Memory leaks are observed on Cisco uBR10-MC5X20H line cards at CMTS root certification.
CSCti79822	Unacknowledged records are being marked as lost records while running the show ipdr session command.

Bug ID	Description
CSCti80157	When performing an ISSU linecard abortversion during ISSU-MS operations, the system will begin the ISSU process for all upgraded CLCs without regard to the PLC state.
CSCti80827	IPC keep alive timeout issue is observed when running the UBR-MC20X20V line cards.
CSCti82203	Some cable modems take a longer time to register with the CMTS running 12.2(33)SCB8 with PRE2 and with more than twenty thousand CMs connected to it.
CSCti83235	The standby RP does not retain its original state after the issu abortversion command is executed.
CSCti84300	Wideband and Modular Statistics are displayed incorrectly as 0 after the issu runversion command is executed and the PRE switches over to the new image.
CSCti84775	The DTCC card in slot 2/1 does not reload after cable clock dti or no cable clock dti commands are executed.
CSCti86226	An intermediate session routing (ISR) watchdog timeout error is observed on the PRE forcing it to crash consequently.
CSCti86790	There is an SFID mismatch in values in the multicast-session QoS information.
CSCti87411	The active PRE crashes when the CMTS is reloaded during ISSU commitversion.
CSCti88479	The active PRE crashes at the ISSU commitversion state.
CSCti88774	On a Cisco uBR10012 router running Cisco IOS 12.2(33)SCB or later code, it appears that bandwidths are incorrectly getting set to 64QAM modulation bandwidth (26mbps) instead of 256QAM (37.5mbps).
CSCti91421	An unexpected string name is printed when checking the memory allocating process.
CSCti91689	The wideband CMs in the Partial mode running the line card fails to connect after PRE switchover.
CSCti92961	There is an alignment issue in the display of the show interface Wideband-Cable summary command output.
CSCti96127	The DHCP-Relay SOLICIT message from the CMTS to the DHCP server is sourced from the outgoing Gigabit Ethernet IPv6 IP address rather than the bundle IPv6 IP address.
CSCti96353	It is observed that EPC-3000 modems that use SPA DS as primary may be assigned with AES keys instead of 56DES.
CSCti96732	It is observed that the Received Power shown in the show cable modem x.x.x verbose command would always incorrectly report 0.00 for every upstream in the bonding group when testing upstream performance characteristics by introducing upstream attenuation.
CSCti97605	On a Cisco uBR10012 router running Cisco IOS 12.2(33)SCC5, the input bytes counter from show interface CableX/X/X command decreases, while packet input counter increases and the 30 second input is consistent.
CSCti97626	HA chkpt entity error is observed after a PRE switchover or a line card switchover.
CSCti99130	Memory leak is observed when the ISSU PRE is upgraded from Cisco IOS 12.2(33)SCD to Cisco IOS 12.2(33)SCD4.

Bug ID	Description
CSCtj00656	The PRE crashes when the IPDR session is reconfigured and when the IPDR exporter is started or stopped.
CSCtj00711	The cable remote query ignores the configured source IP address as set by the cable modem remote-query src-ip command and wrongly considers the bundle cable IP address as source address.
CSCtj01079	The DS-SG is lost when the wideband CM goes offline and comes back NB-online after a PRE switchover.
CSCtj07368	A very high CPU usage is observed when there are many interfaces in the bundle.
CSCtj07700	Cable modems are down when changing the DOCSIS mode from ATDMA to SCDMA and vice versa.
CSCtj10346	The PCMM multicast service flow re-creates after a line card switchover causing AC failure.
CSCtj11304	Wideband cable modems lose IP connectivity with the Cisco CMTS.
CSCtj11727	When a line card switchover is triggered, alignment tracebacks may occur on the new working line card.
CSCtj13034	Carrier-to-noise ratio (CNR) for advance spectrum management drops when traffic is added to another upstream channel.
CSCtj13148	Some UB cable modems (DPC3010) are assigned 56DES keys instead of AES keys on the line card interfaces even though they are not AES enabled.
CSCtj13485	Cable modems cannot come w-online on the wideband interface after a downstream license upgrade.
CSCtj15176	The standby PRE4 crashes with an "Illegal access to a low address" message.
CSCtj17350	Traceback occurs when show depi tunnel command is configured without DEPI Control Plane.
CSCtj17588	The default duration 360 avg-rate 400000 sample-interval 15 up command is not present in the show running-config all command output.
CSCtj22976	Memory leaks found at the route processor (RP).
CSCtj23797	Sometimes, cable modems come online reject(pk) initially.
CSCtj25815	Multicast service flow counters fluctuate after a remote Guaridan N+1 switchover.
CSCtj32245	Cable modem counts of "show cable mac-domain interface rec" are incorrect.
CSCtj38571	The downstream resiliency feature does not remove the impaired non-primary RF from the bonding-group with cross-controller configuration.
CSCtj39203	The active PRE crashes on execution of the show cable mutlicast db command.
CSCtj43578	Legacy load balancing group (LBG) should not coexist with DOCSIS LBG on the same MAC domain.
CSCtj44598	Cable modems are unable to register online.
CSCtj46384	Disabling debug cable receive and text protection may cause 100% CPU utilization.
CSCtj48852	The HCCP protect member is not found for the Cisco uBR10-MC5x20 line card.
CSCtj50380	CPU utilization reaches 100% during fast channel change.
CSCtj51639	Unable to telnet or attach from within Embedded Event Manager (EEM) script.

Bug ID	Description
CSCtj54510	PRE crashed at "docs_cpetype_ipdr_sender" after "hw-module reset" on the line card.
CSCtj60160	The Downstream Channel Descriptor (DCD) counters for DSG do not increment after a line card failover.
CSCtj61563	During modulation change, the UCD on the upstream stop counting, which causes cable modems to go offline.
CSCtj65972	MRI unlink error is seen on Cisco uBR10012 router.
CSCtj68730	The PCMM service flow is cleared on the Cisco CMTS; however the PS responds as "gate-set-ack" instead of "gate-set-error".

Resolved Caveats—Cisco IOS Release 12.2(33)SCC6

Bug ID	Description
CSCsv21109	IF-MIB HC counters for port-channels are missing.
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.
CSCsw92379	PRE crashes after the online insertion and removal (OIR) of the line card.
CSCsy38998	The CPUHOG error message and traceback may be seen on the protect line card of a Cisco uBR10012 router.
CSCsz74599	Multicast traffic is not forwarded after line card switchover.
CSCta49529	An unusual "ALIGN-3-SPURIOUS" error message is displayed when the CMTS is reloaded after running the write erase command.
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.
CSCtc50579	Modems do not come online on the downstream port.
CSCtd14220	Tracebacks is observed during the automatic upgrade of DOCSIS Timing, Communication, and Control (DTCC) card firmware.
CSCtd25669	When a secondary rf-channel shutdown/no shutdown is performed on a Cisco uBR-MC8X8 cable interface line card, the wideband CM reports primary-channel QAM failure/recovery.
CSCtd26295	The debug output to the terminal is truncated when the logging discriminator is enabled.
CSCtd30002	Configuring the 5X1 Gigabit Ethernet port is not possible after swapping SPAs.
CSCtd37319	The IOS reports the fan tray status first as missing, partial failure or total failure for a brief period and later reports the status as OK.
CSCtd39716	The router crashes after executing the no license agent default authenticate none command.
CSCtd43242	An IPC timeout could lead to a crash on the Cisco uBR10-MC5X20H line card.

Bug ID	Description
CSCtd51642	IPC tracebacks are observed in the system log when the line card crashes.
CSCtd59591	Line card switchover changes the narrowband channel ID association and modular host.
CSCtd60792	The standby PRE2 module may reset automatically because of PEER_INIT_TIMEOUT.
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.
CSCtd70118	The Cisco uBR10012 router with PRE4 pauses indefinitely when the interrupts are disabled for 1000 to 2300 ms.
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.
CSCtd90227	Line card fails to perform a switchover on fatal errors.
CSCtd90278	The Wideband SPA does not perform Address Resolution Protocol (ARP) after the failure of the active port.
CSCte01366	The protect Cisco uBR-MC20X20 line card with a 0X20 license restarted with an error message after removing a member slot in the line card redundancy configuration.
CSCte13340	The PRE4 processor module displays a high rate of IPC errors consistently.
CSCte36453	The System Event Archive (SEA) console feature is enabled on PRE4 processor module.
CSCte44947	The upstream service group (US-SG) disappears after a Route Processor switchover.
CSCte49666	The CMTS crashes due to a bus error when PRE module is out of memory.
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.
CSCte74493	The streaming of traffic does not start on the secondary PRE after a switchover. A new file is not created on the standby PRE module.
CSCte74609	All cable modems go offline when the Wideband line card crashes.
CSCte75276	After PRE switchover on Cisco uBR10012 router, an error message is displayed indicating that the IPC message received has inconsistent header data.
CSCte77042	The cable modems drop offline during switchover and revertback of the Cisco UBR-MC20X20V line card.
CSCte93793	Line card crashes after performing line card switchover and DCC with an IPv6 CPE.
CSCte96459	The Cisco UBR-MC20X20V cable line card on the Cisco CMTS running Cisco IOS Release 12.2(33)SCC3 crashes due to Hot Standby Connection-to-Connection Protocol (HCCP) assert failure.
CSCte97922	The hardware version, software version and serial number are not displayed for UBR10-FAN-ASSY, UBR10-PWR-DC and UBR10-PWR-AC modules.
CSCtf04993	The IPDR/SP CMTS-US-UTIL data reported is out of the specified range

Bug ID	Description
CSCtf14490	The docsIf3CmtsSpectrumAnalysisMeasEntry data is not updated on a Cisco uBR10012 router.
CSCtf26531	IPDR reports two counters in the DS-UTIL counters record as zero.
CSCtf32861	The cable metering ipdr session command does not configure successfully if “usage-based billing” and “streaming of billing records” is already configured to an external server.
CSCtf33251	The show hccp command fails to show any result though HCCP redundancy is configured in the running-configuration.
CSCtf48376	The Cisco CMTS crashes when the show cable modem <ip> service flow verbose command is executed several times.
CSCtf52143	A Cisco UBR-MC20X20V cable line card may experience a silent reload without any crashinfo file.
CSCtf57509	The license modify priority command does not enable the evaluation license.
CSCtf63729	An IPv6 customer premise equipment (CPE) fails to get an IP address when it is connected to an IPv4 cable modem.
CSCtf72353	The SFP Entity MIB entry Removal MIB object is called repeatedly when the SPA is inserted.
CSCtf80198	The protect card automatically becomes active due to the keepalive failure.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf85667	PacketCable calls would first get closed and then set up again during a line card switchover.
CSCtf89823	The SNMP query, ccwbrFChannelMpegPkts, for downstream RF channels does not return any result.
CSCtf93115	After a PRE switchover, the aggregate multicast service flow counter is incorrect on the Cisco uBR10012 router.
CSCtf96525	The cable filter group for the multimedia terminal adapter (MTA) does not match with the device class after a PRE switchover.
CSCtf99712	An error occurs when the line cards are powered on which prevents the cable modems to come online.
CSCtf99823	The show cable modem wideband command does not display a wideband capable cable modem, if the modem is registered as a narrowband modem.
CSCtg07854	Packets are assigned to wrong queues when the policy-map configuration is modified.
CSCtg08584	The show logging onboard command displays a wrong voltage value.
CSCtg12222	The DOCSIS 3.0 cable modems may come online in narrowband mode.
CSCtg12263	Some warning messages related to load balancing need to be listed as error messages.
CSCtg12714	PacketCable Multimedia (PCMM) gate synchronization messages are dropped on the active PRE module after clear cable modem all delete command is executed.
CSCtg16255	Modems using modular interfaces on the Cisco UBR-MC20X20V line card go offline after a line card switchover.

Bug ID	Description
CSCtg16637	SAMIS and IPDR generate duplicate records for each deleted multicast service flow.
CSCtg18934	PRE4 crashes with dual-stack CPE.
CSCtg21793	Maximum Transmission Unit (MTU) size is not inherited by the subinterfaces on the Gigabit Ethernet VLAN.
CSCtg23313	Wideband modems moving from reject (pk) to online (pt) do not complete the Baseline Privacy Interface (BPI) negotiation.
CSCtg23869	IPDR triggers high RP CPU utilization when entries in the service flow log table time-out, and data is written to disk.
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.
CSCtg30528	The Cisco CMTS router takes a long time to complete the addition of extended access control list (ACL) entries.
CSCtg37467	The docsLoadbal3GrpStatusChgOverSuccess counters cannot be increased in DOCSIS 3.0 General Load Balancing Group (GLBG).
CSCtg40023	MAC Rewrite Indices (MRI) are different on the active and standby PRE modules; the standby PRE module has more entries than the active PRE module.
CSCtg46662	Alignment traceback is seen when the show cable fiber association command is executed.
CSCtg48066	Reprogramming the Blaze field-programmable gate array (FPGA) fails on the DOCSIS 24-RF channel SPA.
CSCtg48495	A multicast service flow admission failure occurred on the Cisco UBR10012 router for insufficient bandwidth, although the interface has sufficient bandwidth to admit the service flow.
CSCtg49195	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg52140	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg61717	Dynamic Channel Change (DCC) may now work when enabled in a protect Cisco UBR-MC20X20V and Cisco uBR10-MC5X20 line card setup.
CSCtg61848	The RF channels per controller on the protect Cisco UBR-MC20X20V line card are in no rf-shutdown state after a switchover of the working Cisco uBR10-MC5X20 line card.
CSCtg64597	Active PRE crashes due to bad chunk reference count.
CSCtg65255	The SNMP MIB Object entPhysicalVendorType and entPhysicalModelName display wrong output for Cisco Wideband SPA.
CSCtg73667	The Cisco Wideband SPA and the Cisco SIP-600 SIP crashed due to a watchdog reset and automatically reloaded.
CSCtg78358	The protect line card crashed after performing a manual switchover from working Cisco uBR10-MC5X20H line card to the protect line card.
CSCtg79921	InterProcess Communication (IPC) sending fails when IP security is configured.

Bug ID	Description
CSCtg80103	High memory consumption by IPDR_EXP_PROC process when Internet Protocol Data Records (IPDR) is configured and an unknown collector tries to connect.
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.
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.
CSCtg84288	Line card does not boot successfully after PRE switchover.
CSCtg88052	The following message is seen on the Cisco CMTS after shutting down a Gigabit Ethernet (GE) interface even if the XFP/SFP is not removed:
CSCtg89664	During Cisco CMTS startup the following error message is observed on standby PRE: “%UBR10K_REDUNDANCY-4-RP_HA_STDBY_INCONSISTENT: Standby PRE dropping inconsistent sync messages, Error count 1. 5/1 REMOTE BOARD not inserted.”
CSCtg89795	Spectrum management does not work on the Cisco UBR-MC20X20V line card when the bandwidth is set to EuroDOCSIS frequency range.
CSCtg92199	The Support for IfMIB is added for CMTS bundle IPv6 subinterface.
CSCtg96059	The standby route processor is continuously reset and does not proceed to stateful switchover (SSO).
CSCtg97973	Configuration changes made on the Cisco UBR-MC20X20V cable interface line card are not applied to the protect card.
CSCth01896	Multiprotocol Label Switching (MPLS) CPE cannot be pinged and loses IP connectivity.
CSCth03398	The standby PRE crashes when the issu abortversion reload command is executed.
CSCth09331	Cable Modem goes offline after line card switchover on MAC Domain with SCDMA and spectrum management configured.
CSCth10629	It takes a long time to get SNMP MIB object ccqmCmtsIfBwUtilEntry when CMTS contains many cable interface line cards.
CSCth11377	Cable interface line card is powered off after PRE switchover due to PXF crash.
CSCth12362	Incorrect Time-Length-Value (TLV) length is received on the Route Processor (RP).
CSCth20234	During an ISSU-SS operation when the ISSU ABORTVERSION command is executed, the system rejects the command until a different version is attempted.
CSCth22572	Spectrum MIB is not supported for Multiple Transmit Channel (MTC) cable modem.
CSCth25715	Some Wideband Cable Modems (WCMs) do not get w-online after reloading Cisco CMTS.
CSCth28043	The output of the SNMP MIBs ccacUsRevEntry and ccacDsRevEntry is displayed after a long time.
CSCth31143	The show inventory command on a PRE-2 with a 64MB flashdisk wrongly displays flashdisk size as 128MB.

Bug ID	Description
CSCth31946	A brief multicast packet loss is observed after an IGMPv3 leave command is executed with multiple IGMPv3 hosts in the same multicast group on a Cisco CMTS with the Cisco UBR-MC20X20V cable line card.
CSCth36030	System Event Archive (SEA) process accesses the boot disk even when it is disabled.
CSCth41958	Iron bus faults causes the Cisco uBR10-MC5X20H line card to reset.
CSCth43735	Layer 3 traffic does not flow from an interface of the 5-Port Gigabit Ethernet Shared Port Adapter until a reload of the SPA, SIP, or chassis occurs.
CSCth48083	The Cisco UBR10-MC20X20V line card resets when the show tech-support cmts command is executed.
CSCth52908	The IPC-5- WATERMARK and UBR10K-3-QUEUEFULL messages are repeatedly displayed on the Cisco uBR10012 router.
CSCth54817	The static multicast group configuration on the integrated cable interfaces is not synchronized after a line card switchover.
CSCth61055	The issu linecard loadversion command was rejected while performing a in-service software upgrade (ISSU) step up upgrade.
CSCth62056	The docsIfCmtsDownChnlCtrExtTotalBytes MIB object does not return the expected value for integrated cable interfaces on the Cisco UBR-MC20X20V line card.
CSCth62938	Cisco Service Independent Intercept (SII) tap stops intercepting traffic.
CSCth74900	The cable modem is stuck in reject (pk) state when two certificates of the same manufacturer are loaded on the line card.
CSCth75743	An incorrect upstream packet filter group is set as a media terminal adapter (MTA) when upstream service flows are setup for voice calls.
CSCth79643	PRE crashes with an "IPC-2-INVALIDZONE" error message.
CSCth86975	ARP entries with same bundle MAC are stored in the standby PRE when they are added to the Cisco CMTS.
CSCth90620	Unable to poll individual object identifiers (OID) for the first entry of ciscoEnvMonTemperatureStatusValue MIB object using SNMP requests.
CSCth92861	The show interface wideband-cable slot1/ctrlr:wb chan downstream command displays no information.
CSCti00484	The wrong ARP entry is removed.
CSCti03293	ifSpeed returns actual data instead of raw data on the integrated-cable interface/modular-cable interface.
CSCti05750	The Half-Height Gigabit Ethernet (HHGE) line cards stop functioning after Cisco Wideband SPAs are inserted into the Cisco SIP-600.
CSCti15945	Inbound octets (ifInOctets) return the value 0 for the Wideband SPA Gigabit Interface.
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.
CSCti20114	The Dynamic Secret Background process consumes lots of CPU memory and results in traceback.

Bug ID	Description
CSCti36308	There is a mismatch between interface and service flow.
CSCti44029	The Cisco UBR-MC20X20V and Cisco UBR10-MC5X20 line cards are crashing while issuing the clear cable modem command when the CMTS metering is running.
CSCti48004	Downstream packet loss is observed on the wideband bonding group.
CSCti58738	Cisco uBR10012 router crashes after getting doubly-linked list corruption message.
CSCti59859	The show cable modem maintenance command output is showing wrong timestamp for Exhausted Time.
CSCti61527	Traceback occurs after line card high availability revertback.
CSCti62897	Admission control is not preventing committed information rate (CIR) over-subscription on PCMM multicast bulk calls.
CSCti65302	It is not possible to create more than one wideband interface on a Cisco uBR10012 router.
CSCti69352	Cisco uBR10012 router crashes while executing the show packetcable gate summary command.
CSCti81896	When the ingress cancellation feature is enabled, all modems on an upstream may momentarily go offline and then recover within minutes.
CSCti92174	Cable modems are going offline while executing test cable UCC command.
CSCtj07190	The show pxf cable intercept command output does not display the resource counters.
CSCtj09865	CPE is not responding to pings when CM is moved to a different primary downstream.
CSCtj19188	The downstream BPI index leak occurs when DCC tech 1, 2, 3, or 4 is used on SPA Modular-Cable interfaces.
CSCtj48625	The line card channel ID becomes zero when no downstream modular-cable slot/subslot/bay rf-channel command is issued.
CSCtj66629	The CPE behind a CM loses layer 3 connectivity after the CM is load balanced to a different interface.

Open Caveats—Cisco IOS Release 12.2(33)SCC5

Bug ID	Description
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco uBR10012 router.
CSCsz36328	Cable modems remain in online(pk) and expired states after cable privacy mandatory command is executed.
CSCsz49382	Cable modems do not respond to Layer 3 pings.
CSCsz74599	Multicast traffic is not forwarded after line card switchover.

Bug ID	Description
CSCsz77977	Online Insertion and Removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE.
CSCsz98503	A time delay of a few minutes occurs when multiple cable modems go off on a random upstream.
CSCta05835	Entries in the docsBpi2CmtsMulticastObjects MIB are duplicated after a line card revertback.
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.
CSCta49529	An unusual "ALIGN-3-SPURIOUS" error message is displayed when the CMTS is reloaded after running the write erase command.
CSCtb67535	The %GENERAL-2-CRITEVENT: error message and tracebacks are observed on a Cisco uBR10000 series router.
CSCtb74904	The service flow counter displays wrong values on the Cisco uBR10012 router after a PRE module switchover.
CSCtb79237	No system log or SNMP trap gets generated when COPS process, that is used for packetcable, fails.
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.
CSCtc50579	Modems do not come online on the downstream port.
CSCtc62096	Dynamic multicast service flow and reserved bandwidth exist even after the removal of the multicast QoS (MQoS) configuration from the second bonding group.
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
CSCtd24347	The Generic Routing Encapsulation (GRE) tunnel does not forward traffic.
CSCtd26295	The debug output to the terminal is truncated when the logging discriminator is enabled.
CSCtd30002	Configuring the 5X1 Gigabit Ethernet port is not possible after swapping SPAs
CSCtd37319	The IOS reports the fan tray status first as missing, partial failure or total failure for a brief period and later reports the status as OK.
CSCtd48609	The ccm ipv6_address rcs-counts command clears the receive channel sets (RCS) for all cable modems instead of a specified cable modem.
CSCtd51642	IPC tracebacks are observed in the system log when the line card crashes.
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.
CSCtd67202	The secondary port does not become active on the Cisco uBR10012 router when Downstream External PHY Interface (DEPI) control plane is configured.
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
CSCtd70118	The Cisco uBR10012 router with PRE4 pauses indefinitely when the interrupts are disabled for 1000 to 2300 ms.
CSCtd71335	Memory leak is observed on a Cisco uBR10012 router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd90278	The Wideband SPA does not perform Address Resolution Protocol (ARP) after the failure of the active port.
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).
CSCte05596	A false alarm is generated when the CPU utilization is very high.
CSCte07582	The upstream-service-group is removed from the MAC domain after the line card and PRE module switchover.
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.
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.
CSCte13340	The PRE4 processor module displays a high rate of IPC errors consistently.
CSCte15686	Cable modem registration rate for a PRE4 at CMTS bootup is less than the registration rate of a PRE2.
CSCte19017	The CPU utilization of the IGMP Input Process is very high while running simulation test patterns.
CSCte29016	Cable modem drops offline during an In-Service Software Upgrade (ISSU) procedure for line card upgrade.
CSCte36453	The System Event Archive (SEA) console feature is enabled on PRE4 processor module.
CSCte36746	An error message was flagged when the Cisco uBR10012 router tried to overwrite the ARP entry.
CSCte36983	The DOCSIS 3.0 General Load Balancing Group (GLBG) exists on the protect line card after a revertback.
CSCte42876	The CMTS may stop forwarding traffic when it receives a broadcast packet or a IP packet with multicast VPN (MVPN) multicast distribution tree (MDT) options set.
CSCte43004	Modems with a shaping rate configured cannot share the bandwidth according to their weights.
CSCte43870	The admission control bucket array overflows and may corrupt the memory adjacent to the admission control array.
CSCte44947	The upstream service group (US-SG) disappears after a Route Processor switchover.

Bug ID	Description
CSCte49359	The output of the show interface service flow counter command displays an incorrect result when two group configurations (GCs) are configured with the same session range, but with a different type of service (ToS) and group QoS configuration (GQC).
CSCte49666	The CMTS crashes due to a bus error when PRE module is out of memory.
CSCte55906	Some downstream channels may come up as rf-shutdown when a Cisco UBR-MC20X20V line card should be replaced or Return Material Authorization (RMA) is required.
CSCte57944	The results of the command "verify /md5" return inconsistent results when the image is saved on an external flash disk.
CSCte62448	DOT 1Q Layer 2 VPN traffic counters do not increment when Layer 2 VPN traffic flows through the Cisco CMTS.
CSCte63132	When any service class configuration is changed, a CPU spike on the Route Processor (RP) is observed.
CSCte64393	The ESR-PRE2 card crashes after the Cisco uBR10-MC5X20H-X module crashes.
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.
CSCte72062	The IP address of the RF switch is not refreshed after executing the ip host rfs-w-1 ip address command.
CSCte74493	The streaming of traffic does not start on the secondary PRE after a switchover. A new file is not created on the standby PRE module.
CSCte74609	All cable modems go offline when the Wideband line card crashes.
CSCte74898	The DOCSIS MAC Infrastructure upstream_channel_id safety net performs some false checks.
CSCte75276	After PRE switchover on Cisco uBR10012 router, an error message is displayed indicating that the IPC message received has inconsistent header data.
CSCte75410	The "Ping" command fails for a wideband modem hosted on Cisco UBR-MC20X20V line card after repeated switchover of the PRE module.
CSCte77042	The cable modems drop offline during switchover and revertback of the Cisco UBR-MC20X20V line card.
CSCte77268	The downstream local upstream command for the Cisco uBR10-MC5X20 line card is missing from the Cisco IOS image.
CSCte79637	The Cisco CMTS may not reject the registration request (REG-REQ) when the cable modem configuration file contains both IPv4 fields (other than TCP or UDP source or destination ports) and IPv6 fields in one DOCSIS QoS classifier.
CSCte80520	Modems cannot go the online (w-online) state after all the cable line cards are reset when more than two working line cards are configured in a Hot Standby Connection-to-Connection Protocol (HCCP) group.
CSCte84191	There is a mismatch of the BPI index between the cable line card and the remote SPA when a redundancy is not configured on the line card and the guardian line card is rebooted.
CSCte90166	The show cable modulation-profiles command displays the modulation profiles for the for the Cisco uBR10-MC5X20H line card.
CSCte97814	A small fixed size memory leak is observed during boot up when BGP is enabled.

Bug ID	Description
CSCte85016	Rollback fails for the cable admission-control us-bandwidth bucket-no minor major exclusive command
CSCte97922	The hardware version, software version and serial number are not displayed for UBR10-FAN-ASSY, UBR10-PWR-DC and UBR10-PWR-AC modules.
CSCte99379	The cable admission-control ds-bandwidth/us-bandwidth command results in spurious memory access traceback.
CSCtf02278	The SCDMA US "Code per minislot" is set to 4 after configuring the "Spreading Interval frame" to 1.
CSCtf04993	The IPDR/SP CMTS-US-UTIL data reported is out of the specified range
CSCtf06267	An IPv6 CPE cannot communicate with the Cisco CMTS after the ND cache is cleared.
CSCtf09375	The MAC domain cable interface is configured to shutdown after the card has been powered off with the hw-module subslot command. However, when the card is powered on by the no hw-module subslot command, the shutdown configuration is missing when the interface comes up.
CSCtf14490	The docsIf3CmtsSpectrumAnalysisMeasEntry data is not updated on a Cisco uBR10012 router.
CSCtf19518	The output of docsIFCMTsModulationTable MIB and the show cable modulation-profile verbose command is inconsistent.
CSCtf20370	When the line card is reverted from the protect mode to the working mode, it crashes the PRE and the working line card.
CSCtf22188	QoS group configurations accepts a ToS value of 256 through SNMP even though the valid range is 0 to 255.
CSCtf26326	When configuring the Cisco CMTS with ISIS, the internal IPC Ethernet address 127.x.x.x is advertised even when no service internal is configured. Also, in this case, the IPC interface cannot be configured by the end user.
CSCtf26531	IPDR reports two counters in the DS-UTIL counters record as zero.
CSCtf28287	Continuous "Nickel10G" error is logged on the PRE console of the Cisco CMTS.
CSCtf32861	The cable metering ipdr session command does not configure successfully if "usage-based billing" and "streaming of billing records" is already configured to an external server.
CSCtf48376	The Cisco CMTS crashes when the show cable modem <ip> service flow verbose command is executed several times.
CSCtf49834	CMRegStatusValue is not consistent with the RecType2 record for DOCSIS 1.0 and DOCSIS 1.1 cable modems.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf54880	Invalid memory action (malloc) is observed on the Cisco CMTS console when the Cisco CMTS has been idle for an extended period of time.
CSCtf57372	The "IPv6 lookup addr in host has host pointing to freed memory" error message is displayed on the Cisco CMTS.
CSCtf57509	The license modify priority command does not enable the evaluation license.

Bug ID	Description
CSCtf59126	The upstream-service-group gets removed from the CMTS when the Cisco UBR-MC20X20V cable interface line card switchover occurs more than three times, or when the Cisco UBR-MC20X20V cable interface line card switchover occurs, followed by the RP switchover.
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.
CSCtf63729	An IPv6 customer premise equipment (CPE) fails to get an IP address when it is connected to an IPv4 cable modem.
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.
CSCtf72353	The SFP Entity MIB entry Removal MIB object is called repeatedly when the SPA is inserted.
CSCtf73047	The show pxf cpu statistics security interface command displays the same information for every interface.
CSCtf76282	If a dual-stack is CPE online, the clear cable host x.x.x command causes the corresponding line card to crash.
CSCtf76524	An IPv6 modem moved into a new MAC Domain that is configured with the cable ip-init ipv4 command, still stays online.
CSCtf77370	The SNMP tool returns an incorrect error message when trying to set the value of the ccqmEnfRuleViolateNotifEnable MIB object.
CSCtf79314	There are duplicate DSID entries allocated to the same session on the same interface.
CSCtf79419	The service Identifier (SID) displays "zero" for multicast Baseline Privacy (BPI) sessions after a line card switchover.
CSCtf80198	The protect card automatically becomes active due to the keepalive failure.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf82934	The wideband cable modems that are online cannot go w-online after a hardware reset.
CSCtf84980	Overlapping downstream channel IDs in a MAC domain cause conflict in the configuration, thus causing some downstream channels to become unusable.
CSCtf85427	Memory leak occurs when more than 21 profiles are configured in a policy map.
CSCtf85500	The cable modem on the logical channel goes offline after a line card switchover.
CSCtf85532	The Cisco DPC3000 cable modem rejects dynamic bonding change request (DBC-REQ).
CSCtf85667	PacketCable calls would first get closed and then set up again during a line card switchover.
CSCtf88832	Traceback occurs when a cable modem is reset.
CSCtf89823	The SNMP query, ccwbRFChannelMpegPkts, for downstream RF channels does not return any result.
CSCtf90283	The show depi command returns a traceback error on the Cisco uBR10012 router.

Bug ID	Description
CSCtf90859	Memory allocation failure is observed on a Cisco router after fast channel change with dynamic multicast.
CSCtf93115	After a PRE switchover, the aggregate multicast service flow counter is incorrect on the Cisco uBR10012 router.
CSCtf93373	Excessive collisions and high CPU usage observed on the Cisco uBR10012 router.
CSCtf95826	An aggregate-address nvgens (nonvolatile generation) the wrong mask for a non-contiguous or an incorrect mask.
CSCtf95877	Traceback occurs when performing an In-Service Software Upgrade (ISSU).
CSCtf96525	The cable filter group for the multimedia terminal adapter (MTA) does not match with the device class after a PRE switchover.
CSCtf98939	The show cable modem ipv6 command does not display the IPv6 stack address.
CSCtf99414	The show controller command shall display BPI information for Cisco UBR-MC20X20V line cards.
CSCtf99712	An error occurs when the line cards are powered on which prevents the cable modems to come online.
CSCtf99823	The show cable modem wideband command does not display a wideband capable cable modem, if the modem is registered as a narrowband modem.
CSCtg00424	DHCPv6 SOLICIT messages are dropped by the Cisco CMTS when a static IPv4 CPE attempts to get a dual-stack IP address.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01386	The Cisco CMTS does not drop invalid IPv6 packets with loopback source address.
CSCtg02818	Memory leak is seen after running PacketCable Multimedia (PCMM) calls for more than 12 hours.
CSCtg03087	The "spectrum-mgr" assigns frequency to an upstream interface in shutdown state. The show cable spectrum-group displays incorrect results.
CSCtg07854	Packets are assigned to wrong queues when the policy-map configuration is modified.
CSCtg08584	The show logging onboard command displays a wrong voltage value.
CSCtg09261	After a line card switchover, the wideband cable modem may lose Layer 3 connectivity.
CSCtg09730	The show inventory command does not list all compact flash cards.
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.
CSCtg12222	The DOCSIS 3.0 cable modems may come online in narrowband mode.
CSCtg12263	Some warning messages related to load balancing need to be listed as error messages.
CSCtg12714	PacketCable Multimedia (PCMM) gate synchronization messages are dropped on the active PRE module after clear cable modem all delete command is executed.
CSCtg13158	Bundle 1 does not function.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.

Bug ID	Description
CSCtg16255	Modems using modular interfaces on the Cisco UBR-MC20X20V line card go offline after a line card switchover.
CSCtg16637	SAMIS and IPDR generate duplicate records for each deleted multicast service flow.
CSCtg18963	Error messages are displayed when the dual-stack CPE IPv6 modem tries to come online.
CSCtg21941	DSG tunnel-group cable dsgr tg configuration command can not be configured on the bundle subinterfaces.
CSCtg23313	Wideband modems moving from reject (pk) to online (pt) do not complete the Baseline Privacy Interface (BPI) negotiation.
CSCtg23869	IPDR triggers high RP CPU utilization when entries in the service flow log table time-out, and data is written to disk.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
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.
CSCtg27367	The test cable dsa command does not work properly for IPv6 Customer Premise Equipment (CPE)
CSCtg30528	The Cisco CMTS router takes a long time to complete the addition of extended access control list (ACL) entries.
CSCtg33421	The output of show cable modem ipv6 cpe command displays many global IPv6 addresses.
CSCtg37467	The docsLoadbal3GrpStatusChgOverSuccess counters cannot be increased in DOCSIS 3.0 General Load Balancing Group (GLBG).
CSCtg40023	MAC Rewrite Indices (MRI) are different on the active and standby PRE modules; the standby PRE module has more entries than the active PRE module.
CSCtg46412	The output of the show cable modem x.x.x cpe command does not display the static IPv4 address of the cable modem.
CSCtg46479	The message "REQGRP-6-UNKLCREQ: Received unknown IPC request (50)" is seen on uBR10012 router log periodically. This message is seen when encrypted multicast traffic is used along with a Cisco UBR-MC20X20V cable line card in slot 5, and a remote SPA as a downstream channel.
CSCtg46662	Alignment traceback is seen when the show cable fiber association command is executed.
CSCtg48066	Reprogramming the Blaze field-programmable gate array (FPGA) fails on the DOCSIS 24-RF channel SPA.
CSCtg48495	A multicast service flow admission failure occurred on the Cisco UBR10012 router for insufficient bandwidth, although the interface has sufficient bandwidth to admit the service flow.
CSCtg48985	DOCSIS Set-Top Gateway (DSG) multicast static joins are not created in the bundle interface.
CSCtg48989	Inconsistent IPv6 CPE data is displayed in the output of the show running-config command.

Bug ID	Description
CSCtg49064	Hot Standby Connection-to-Connection Protocol (HCCP) group configuration cannot be removed when the working line card is locked.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg49184	The output of the show hccp event-history command displays incorrect error information.
CSCtg49195	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg49784	Traceback is observed after the cable modem is shifted from the Cisco uBR10-MC5X20 line card to the guardian Cisco UBR-MC20X20V line card.
CSCtg50212	CPU spike are observed on the Route Processor during FPD image upgrade.
CSCtg52140	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg52567	The show running-config command displays the "penalty-period 10080" command when the default value of 10080 is configured.
CSCtg54998	Incorrect decode of the interrupt stack for saved registers is displayed in the crashinfo file.
CSCtg55865	The PRE4 module continuously logs ironbus fault messages when the line card is reboots after a line card crash.
CSCtg61170	Multicast may select the forwarding interface which does not match to the req-attribute mask.
CSCtg61717	Dynamic Channel Change (DCC) may now work when enabled in a protect Cisco UBR-MC20X20V and Cisco uBR10-MC5X20 line card setup.
CSCtg61848	The RF channels per controller on the protect Cisco UBR-MC20X20V line card are in no rf-shutdown state after a switchover of the working Cisco uBR10-MC5X20 line card.
CSCtg64597	Active PRE crashes due to bad chunk reference count.
CSCtg65255	The SNMP MIB Object entPhysicalVendorType and entPhysicalModelName display wrong output for Cisco Wideband SPA.
CSCtg65851	An unscheduled reload of the router occurs when the Cisco SIP- 600 SIP is installed to a slot provisioned for a the Cisco Wideband SIP.
CSCtg66491	"Error message ""%IPCGRP-3-ERROR: outgoing IPC bypass failed" is observed when active PRE and standby PRE are loaded with different images and standby PRE goes into RPR mode triggering PRE switchover."
CSCtg67080	Error message "%Error: The LC 5/1 is Protect. Forbid to add its US into FN 5" is observed after Cisco CMTS boots up.
CSCtg67108	The show license commands fail to execute on the Route Processor.
CSCtg68924	"Encountered TBD2 code in cmts_bundle_ipv6_addr" message is observed on the Cisco CMTS console when IPv6 is provisioned on a bundle sub-interface.
CSCtg72650	When a CPE has multiple IP addresses configured to a single MAC address, all except one of the IP addresses become unreachable after two PRE module switchovers.

Bug ID	Description
CSCtg72675	The CMTS ignores the static multicast cable modem interface mask settings in cable modem configuration file.
CSCtg73720	A high CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCtg76834	Error message "... %UBR10000-3-NOMAC: Cannot allocate MAC address for interface ..." is observed after the "shutdown" and "no shutdown" of the cable interface on the Cisco uBR10012 router with Cisco UBR-MC20X20V line card.
CSCtg77372	Error message "HCCP_CFG_FAIL: hccp_parse_config" is seen on the Cisco CMTS when the cable upstream minislot-size command is executed.
CSCtg78358	The protect line card crashed after performing a manual switchover from working Cisco uBR10-MC5x20H line card to the protect line card.
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.
CSCtg81535	The debug code needs to be enhanced in order to capture the cause for bad timing offset. It does not have any impact on the functionality.
CSCtg83241	Cable modems(CM) configured with Early Authentication and Encryption (EAE) cannot be pinged even if they are in UB online (pt) state.
CSCtg83560	"Invalid Upstream Channel ID" traceback is observed on Cisco CMTS.
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.
CSCtg84288	Line card does not boot successfully after PRE switchover.
CSCtg84729	Working cable line card (CLC) crashes after Route Processor Redundancy (RPR) switchover when more number of multicast sessions are in progress.
CSCtg85867	The CPEs cannot process encrypted multicast traffic when a dynamic multicast session is created on a DPC-300 modem.
CSCtg88052	The following message is seen on the Cisco CMTS after shutting down a Gigabit Ethernet (GE) interface even if the XFP/SFP is not removed:
CSCtg89197	System and IO Memory Leak may cause fragmentation warning after repeated configuration change of the cable upstream upstream-index max-logical-chans or cable upstream max-ports num-ports commands.
CSCtg89664	During Cisco CMTS startup the following error message is observed on standby PRE: <pre>“%UBR10K_REDUNDANCY-4-RP_HA_STDBY_INCONSISTENT: Standby PRE dropping inconsistent sync messages, Error count 1. 5/1 REMOTE BOARD not inserted.”</pre>
CSCtg89719	BADTXOFFSET error message is displayed on the Cisco CMTS console.
CSCtg89795	Spectrum management does not work on the Cisco UBR-MC20X20V line card when the bandwidth is set to EuroDOCSIS frequency range.
CSCtg90766	Cisco UBR-MC20X20V cable interface line card interrupt line may get stuck in the active state causing the cable modems to remain offline.
CSCtg90865	A non-primary Multicast (MC) interface is selected for multicast forwarding.
CSCtg92199	The Support for IfMIB is added for CMTS bundle IPv6 subinterface.

Bug ID	Description
CSCtg93115	Tracebacks are seen when the show pxf cable feature-table bundle x command is executed.
CSCtg94564	CMTS crash may be observed due to memory corruption.
CSCtg95289	CMTS may fail to ping IPv6 cable modems.
CSCtg95319	Error message “cable <i>slot/subslot/port</i> is in a fiber node so Bundle cannot be changed” is observed when the bundle number on a Cable MAC domain interface is changed (or removed) using the cable bundle number command.
CSCtg96250	CMTS performs packet filtering even if it is not configured on the CMTS.
CSCtg99640	Cable modems in the reject (epk) and reject (ept) do not get reset when the clear cable modem reject reset command is executed.
CSCth00131	CMTS crashes when the clear cable modem all delete command is executed.
CSCth01799	The following error may be sometimes displayed on PRE4 log: "PXF_NICKEL-3-FTS_ERROR: FTS SEQUENCE Error: 1 in nickel0/port1"
CSCth01896	Multiprotocol Label Switching (MPLS) CPE cannot be pinged and loses IP connectivity.
CSCth02741	High CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCth03398	The standby PRE crashes when the issu abortversion reload command is executed.
CSCth09331	Cable Modem goes offline after line card switchover on MAC Domain with SCDMA and spectrum management configured.
CSCth09854	Cable modem may reject DBC-REQ due to incorrect ranging dynamic window.
CSCth10629	It takes a long time to get SNMP MIB object <code>ccqmCmtsIfBwUtilEntry</code> when CMTS contains many cable interface line cards.
CSCth11377	Cable interface line card is powered off after PRE switchover due to PXF crash
CSCth12362	Incorrect Time-Length-Value(TLV) length is received on the Route Processor (RP).
CSCth15663	Subscriber Traffic Management (STM) does not work in both monitoring modes on modular-Cable interface.
CSCth16375	IPv4 classifiers are not synced correctly during Dynamic Channel Change (DCC) operation.
CSCth18889	Multicast traffic is not received by the cable modem.
CSCth18973	When there are many downstream TCP sessions active at the same time, Cisco uBR10012 PRE2 may experience packet drops
CSCth20234	During an ISSU-SS operation when the ISSU ABORTVERSION command is executed, the system rejects the command until a different version is attempted.
CSCth22076	Dynamic Bonding Change (DBC) operation fails after the line card switchover.
CSCth22572	Spectrum MIB is not supported for Multiple Transmit Channel (MTC) cable modem.
CSCth24251	Cisco CMTS reports exhaustion of application IDs.
CSCth25114	Downstream External PHY Interface (DEPI) control plane sessions drop after the ISSU runversion command is executed, and fails to re-establish.

Bug ID	Description
CSCth25715	Some Wideband Cable Modems (WCMs) do not get w-online after reloading Cisco CMTS.
CSCth28043	The output of the SNMP MIBs ccaacUsRevEntry and ccaacDsRevEntry is displayed after a long time.
CSCth29344	Cable Modems may fail to come online or remain online due to lack of SPA resources.
CSCth29995	A DOCSIS 3.0 Cable modem after coming online, may not respond to the ping command when it is provisioned as DOCSIS 1.0 cable modem and is forced to do Early Authentication and Encryption (EAE).
CSCth30050	The Baseline Privacy Interface plus (BPI+) policy feature does not explicitly take care of the static IP addresses.
CSCth30415	PROC_WATCHDOG does not work with the standby PRE on Cisco uBR10012 router.
CSCth30476	TCP-flags does not work as expected in packet filtering when the tcp_mask masks off all the bits in configured tcp_flags.
CSCth31143	The show inventory command on a PRE-2 with a 64MB flashdisk wrongly displays flashdisk size as 128MB.
CSCth32726	When a cable modem (CM) is repeatedly forced reset, the CM certificate is not always revoked although the CM certificate is revoked on the OCSP responder.
CSCth35421	An HTTP fail configuration error is observed when line card high availability member slots are added to a SCDMA configured CMTS.
CSCth36030	System Event Archive (SEA) process accesses the boot disk even when it is disabled.
CSCth37447	The CMTS logs a out of range card slot index error message during a SNMP query of the docsMcastCmtsReplSessEntry MIB object.
CSCth37607	The Cisco UBR-MC8X8V line card CPU utilization is high and admission control fail messages are repeatedly displayed.
CSCth39702	The cable multicast-qos group does not synchronize correctly after a line card switchover.
CSCth41958	Iron bus faults causes the Cisco uBR10-MC5X20H line card to reset.
CSCth43735	Layer 3 traffic does not flow from an interface of the 5-Port Gigabit Ethernet Shared Port Adapter until a reload of the SPA, SIP, or chassis occurs.
CSCth44289	The standby PRE processor module resets when the depi tunnel is removed from the configuration.
CSCth45908	The IPv6 cable modems are unreachable when Dynamic Channel Change (DCC) initialization techniques 1-4 are used within a line card on the downstream channel.
CSCth47008	The show cable registered command output has alignment issues at the online status and timing offset statistics.
CSCth48083	The Cisco UBR-MC20X20V line card resets when the show tech-support cmts command is executed.
CSCth49224	The default interface service flow for multicast Qos is not created after a line card switchover.

Bug ID	Description
CSCth50596	The show cable modem IPv6 cpe command output for IPv6 cable modems takes a long time to display.
CSCth51943	The cable dynamic-flow vrf command does not map the DSx flow to the specified VRF.
CSCth52908	IPC-5- WATERMARK, UBR10K-3-QUEUEFULL messages are repeatedly displayed on the Cisco uBR10012 router.
CSCth54435	The customer premises equipment (CPE) fails to receive multicast traffic from the Cisco uBR10012 router, when SPA channels are added to a Cisco UBR10-MC2X020 line card with downstream service group configuration.
CSCth54817	The static multicast group configuration on the integrated-cable interfaces are not synchronized after a line card switchover.
CSCth59049	Downstream service flow statistics display zeroes after an In-Service software upgrade (ISSU) PRE module switchover.
CSCth59215	HCCP-3-CFG_FAIL error messages are observed on the active and standby PRE console. The static multicast packets have different service flows after a line card switchover.
CSCth59322	The guardian line card does not display all the Baseline Privacy Index (BPI) values while executing the show interfaces cable command.
CSCth59516	The low latency service flow is incorrectly created after the 16th downstream service flow is created.
CSCth60315	Multicast sessions are not created after a revertback to the working line card. The default downstream service identifier is not created and security association identifier (SAID) is changed after the switchover.
CSCth61055	The issu linecard loadversion command was rejected while performing a in-service software upgrade (ISSU) step up upgrade
CSCth61850	Memory leak is observed on the Cisco uBR10012 router with multicast service flows configured.
CSCth62056	The docsIfCmtsDownChnlCtrExtTotalBytes MIB object does not return the expected value for integrated-cable interfaces on Cisco UBR-MC20X20V line card.
CSCth63696	After PRE switchover, the JIB TIB ring gets full and no MAP/UCDs is sent to the toaster and as a result the TIB ring of the second JIB is stuck and there is a delay in the cable modem coming online.
CSCth64363	Inconsistent synchronization PRE error messages are displayed when the standby PRE module boots up.
CSCth64941	L2TP daemon error messages and high CPU utilization seen on Cisco CMTS.
CSCth66150	"Blaze HM testcase failed" error messages are displayed in the log of a Cisco uBR10012 router.
CSCth66444	Cisco uBR10000 series router may experience packet drops during a line card switchover when the cable source-verify command is enabled.
CSCth71339	The %CMTS_LIC-3-INVALID_LIC_INFO error message is erroneously displayed for a line card after the PRE switchover.
CSCth71637	SNMP query on empty docsQosPktClassEntry/docsQos3PktClassEntry/docsLetfQosPktClassEntry takes a long time to return results.

Bug ID	Description
CSCth72064	The wideband cable modems connected to the downstream bonding channel group with non-primary channel impairment are unreachable. The packet count does not increase in the PRE module.
CSCth74132	The protect line card state is not correct after removing the working line card from the high availability group.
CSCth74900	The cable modem is stuck in reject (pk) state when two certificates of the same manufacturer are loaded on the line card.
CSCth75743	An incorrect upstream packet filter group is set as a media terminal adapter (MTA) when upstream service flows are setup for voice calls.
CSCth77566	The CPU HOG error message is displayed when the Cisco CMTS boots up.
CSCth78573	Packet loss is seen on the Cisco CMTS. The packets are intermittently encapsulated and sent to the Cisco Wideband SPA.
CSCth79635	The following message is displayed: %SYS-3-INVMEMINT: Invalid memory action (free) at interrupt level.
CSCth79643	PRE crashes with an "IPC-2-INVALIDZONE" error message.
CSCth84097	The PRE console hangs.
CSCth84542	The Packet Cable call dropout time is more than 1600ms during the line card revertback
CSCth85067	High CPU utilization is seen on the Cisco CMTS when the IGMP input processes several thousands of IGMP reports every query-interval.
CSCth86397	Rate-limiting on the upstream channel is activated before the peak rate is reached leading to bandwidth requests being dropped prematurely on the Cisco UBR-MC20X20V line card.
CSCth86475	The Cisco uBR-MC88V cable line card does not use optimal preamble and guardtime lengths when the modulation profile assigned is in 4x/14x/24x range.
CSCth87649	Unable to block specific CPE MAC addresses on the Cisco CMTS. In some cases this can be exploited for DoS attacks.
CSCth87831	The show cable calls command displays the interface with upstream channel bonding even if there are no voice call associated with that particular 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.
CSCth90490	The CMTS upstream LED display indicates wrong information whenever the upstream configuration has changed.
CSCth90620	Unable to poll individual object identifiers (OID) for the first entry of ciscoEnvMonTemperatureStatusValue MIB object using SNMP requests.
CSCth92861	The show interface wideband-cable slot/1/ctrlr:wb chan downstream command displays no information.
CSCth92926	Traceback is observed after changing the modular-host configuration to a different slot.
CSCth93671	Memory leak is observed due to IPDR_EXP_PROC (ipdr_ios_platform_process) on a Cisco uBR10012 router with PRE4.

Bug ID	Description
CSCth96035	Spurious memory access traceback is observed when the show cable modem service-flow command is used with the verbose keyword.
CSCth96153	The port number is wrongly displayed in the output of show interface service flow command for multicast service flows.
CSCth97868	Dynamic upstream service flows fail on the Cisco UBR-MC20X20V and Cisco uBR-MC88V line cards when Baseline Privacy Interface (BPI) and Service ID (SID) clusters are configured.
CSCth98917	All cable modems on one or two upstream go offline after line card revertback.
CSCti00484	Wrong ARP entry is removed.
CSCti01378	The show cable modem x.y.z qos or show cable modem x.y.z service-flow [verbose] command displays very high throughput values for a short time when traffic rates are much lower than reported.
CSCti01795	Incorrect SID in mac-rewrite string is seen in CPE IP adjacency entry.
CSCti03293	ifSpeed returns actual data instead of raw data on the integrated-cable interface/modular-cable interface.
CSCti05750	The Half-Height Gigabit Ethernet (HHGE) line cards stop functioning after Cisco Wideband SPAs are inserted into the Cisco SIP-600.
CSCti06649	The no card command is not accepted even though the line card is not in a redundancy group.
CSCti07013	Upstream speed down and Cyclic Redundancy Check (CRC) error increases in a Cisco uBR0012 router with Cisco MC5x20U cable line card.
CSCti08817	The default cable filter is not enforced in the hardware on PRE2 and PRE4.
CSCti09242	The "input error" counter under cable interface increases rapidly.
CSCti09825	The show cable multicast dsid command output contains entries with Duplicate Stat Indexes.
CSCti12590	Querying "getnext" with ipCidrRouteDest returns an OID that is not lexicographically larger than the queried OID.
CSCti12600	Querying "getnext" with cefFESelectionSpecial returns an OID that is lexicographically smaller than the queried OID.
CSCti12998	The cable modem might lose IP connectivity. The cable modem stays connected to the Cisco CMTS, but no data frames go through the upstream.
CSCti15166	Static multicast service flows disappear after N+1 switchover.
CSCti15767	UBR10K-6-CM_INCONSISTENCY message is observed on new active PRE after a PRE switchover and after the standby PRE boots, some UBR10000-3-DOC-SIS_SYNC_SF messages are printed.
CSCti15835	Traceback is seen on the CMTS console with spurious memory access while reading an offset of 0x24.
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.
CSCti18105	IPC-5-WATERMARK error message is observed on a Cisco uBR10012 router when a given number of IPC messages are sent from the Cisco uBR10-MC5X20 or Cisco UBR-MC20X20V cable line card.

Bug ID	Description
CSCti18395	The Cisco uBR10-MC5X20H line card crashes with show interface cable x/y/z sid key 0 command on a Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCB.
CSCti18591	Traceback is observed when the show cable modem modem_ip service-flow verbose command is executed multiple times and the cable modem is deleted from the bootnet interface in the middle of an execution.
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.
CSCti20114	The Dynamic Secret Background process consumes lots of CPU memory and results in traceback.
CSCti23212	Modems using SPA downstreams online(pt) cannot pass layer 3 traffic; IPC channel between Cisco uBR-MC520 and SIP is down.
CSCti23603	The modem does not come online when a protect line card has a lower license.
CSCti30196	CMTS may crash when a SNMP query or any other event makes the CMTS to go through the list of ALL service-flows.
CSCti31148	The RF channel is suspended from unaffected bonding groups.
CSCti31169	The DPC3010 modems remain in partial service and report non-primary RF failure.
CSCti31282	A guardian index leak may be observed after reloading the cable line card when it is part of hccp but the protect line card is not configured or is not available.
CSCti31624	After a line card failover, the modem is no longer layer 3 pingable after Authorization Rekey.
CSCti32086	Memory leak is observed on the protect card. The memory is used for packetcable gate database and gate bin.
CSCti41121	Traceback is observed at ipc_issu_session_process.
CSCti44253	The accounting system used by the customer does not account usage for modems that are online only for a short period of time.
CSCti44425	The CMTS does not generate SNMP linkdown or linkup traps when ports on SPA change status.
CSCti47001	The line card stops responding while monitoring the cable modem statistics.
CSCti47281	PRE2 crashes when the no member subslot 5/1 protect config 6/0 command is executed.
CSCti48004	Downstream packet loss is observed on the wideband bonding group.
CSCti53112	When the CMTS is used as a proxy server for the cable modem to download its configuration file, the first valid interface of the cable interface or subinterface is used as the source address.
CSCti53119	Incorrect LinkDown messages are displayed when the Cisco uBR10-MC5X20H line card is replaced with Cisco uBR10-MC5X20S or Cisco uBR10-MC5X20U line card.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC5

Bug ID	Description
CSCtd60792	The standby PRE2 module may reset automatically because of PEER_INIT_TIMEOUT.
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.
CSCte96459	The Cisco UBR-MC20X20V cable line card on the Cisco CMTS running Cisco IOS Release 12.2(33)SCC3 crashes due to Hot Standby Connection-to-Connection Protocol (HCCP) assert failure.
CSCtf52143	A Cisco UBR-MC20X20V cable line card may experience a silent reload without any crashinfo file.
CSCtg73667	The Cisco Wideband SPA and the Cisco SIP-600 SIP crashed due to a watchdog reset and automatically reloaded.
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.
CSCtg96059	The standby route processor is continuously reset and does not proceed to stateful switchover (SSO).
CSCth31946	A brief multicast packet loss is observed after an IGMPv3 leave command is executed with multiple IGMPv3 hosts in the same multicast group on a Cisco CMTS with the Cisco UBR-MC20X20V cable line card.
CSCth86975	ARP entries with same bundle MAC are stored in the standby PRE when they are added to the Cisco CMTS.
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)SCC4

Bug ID	Description
CSCsi75761	Rate-limiting of ICMP unreachable messages is larger than configured when Parallel Express Forwarding (PXF) is configured on the Cisco uBR10012 router.
CSCsz36328	Cable modems remain in online(pk) and expired states after cable privacy mandatory command is executed.
CSCsz49382	Cable modems do not respond to Layer 3 pings.
CSCsz77977	Online Insertion and Removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE.
CSCsz98503	A time delay of a few minutes occurs when multiple cable modems go off on a random upstream.

Bug ID	Description
CSCta05835	Entries in the docsBpi2CmtsMulticastObjects MIB are duplicated after a line card revertback.
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.
CSCta49529	An unusual "ALIGN-3-SPURIOUS" error message is displayed when the CMTS is reloaded after running the write erase command.
CSCtb74904	The service flow counter displays wrong values on the Cisco uBR10012 router after a PRE module switchover.
CSCtb79237	No system log or SNMP trap gets generated when COPS process, that is used for packetcable, fails.
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.
CSCtc62096	Dynamic multicast service flow and reserved bandwidth exist even after the removal of the multicast QoS (MQoS) configuration from the second bonding group.
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
CSCtd24347	The Generic Routing Encapsulation (GRE) tunnel does not forward traffic.
CSCtd26295	The debug output to the terminal is truncated when the logging discriminator is enabled.
CSCtd30002	Configuring the 5X1 Gigabit Ethernet port is not possible after swapping SPAs
CSCtd37319	The IOS reports the fan tray status first as missing, partial failure or total failure for a brief period and later reports the status as OK.
CSCtd48609	The ccm ipv6_address res-counts command clears the receive channel sets (RCS) for all cable modems instead of a specified cable modem.
CSCtd51642	IPC tracebacks are observed in the system log when the line card crashes.
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.
CSCtd67202	The secondary port does not become active on the Cisco uBR10012 router when Downstream External PHY Interface (DEPI) control plane is configured.
CSCtd69497	Static groups and sessions are not created when static multicast groups and source addresses exist in a cable modem configuration file.
CSCtd70118	The Cisco uBR10012 router with PRE4 pauses indefinitely when the interrupts are disabled for 1000 to 2300 ms.
CSCtd71335	Memory leak is observed on a Cisco uBR10012 router when the cable modem is reset after a reservation is created using Resource Reservation Protocol (RSVP).
CSCtd90278	The Wideband SPA does not perform Address Resolution Protocol (ARP) after the failure of the active port.

Bug ID	Description
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).
CSCte05596	A false alarm is generated when the CPU utilization is very high.
CSCte07582	The upstream-service-group is removed from the MAC domain after the line card and PRE module switchover.
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.
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.
CSCte13340	The PRE4 processor module displays a high rate of IPC errors consistently.
CSCte19017	The CPU utilization of the IGMP Input Process is very high while running simulation test patterns.
CSCte29016	Cable modem drops offline during an In-Service Software Upgrade (ISSU) procedure for line card upgrade.
CSCte36453	The System Event Archive (SEA) console feature is enabled on PRE4 processor module.
CSCte36746	An error message was flagged when the Cisco uBR10012 router tried to overwrite the ARP entry.
CSCte36983	The DOCSIS 3.0 General Load Balancing Group (GLBG) exists on the protect line card after a revertback.
CSCte42876	The CMTS may stop forwarding traffic when it receives a broadcast packet or a IP packet with multicast VPN (MVPN) multicast distribution tree (MDT) options set.
CSCte43004	Modems with a shaping rate configured cannot share the bandwidth according to their weights.
CSCte43870	The admission control bucket array overflows and may corrupt the memory adjacent to the admission control array.
CSCte44947	The upstream service group (US-SG) disappears after a Route Processor switchover.
CSCte49359	The output of the show interface service flow counter command displays an incorrect result when two group configurations (GCs) are configured with the same session range, but with a different type of service (ToS) and group QoS configuration (GQC).
CSCte49666	The CMTS crashes due to a bus error when PRE module is out of memory.
CSCte51361	Narrowband cable modems are dropped offline during an In-Service Software Upgrade (ISSU).

Bug ID	Description
CSCte55906	Some downstream channels may come up as rf-shutdown when a Cisco uBR-MC20X20V line card should be replaced or Return Material Authorization (RMA) is required.
CSCte62448	DOT 1Q Layer 2 VPN traffic counters do not increment when Layer 2 VPN traffic flows through the Cisco CMTS.
CSCte63132	When any service class configuration is changed, a CPU spike on the Route Processor (RP) is observed.
CSCte64393	The ESR-PRE2 card crashes after the Cisco uBR10-MC5X20H-X module crashes.
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.
CSCte72062	The IP address of the RF switch is not refreshed after executing the ip host rfsw-1 ip address command.
CSCte73241	Downstream traffic freezes on the cable modem when service flow is installed incorrectly.
CSCte74493	The streaming of traffic does not start on the secondary PRE after a switchover. A new file is not created on the standby PRE module.
CSCte74609	All cable modems go offline when the Wideband line card crashes.
CSCte74898	The DOCSIS MAC Infrastructure upstream_channel_id safety net performs some false checks.
CSCte75276	After PRE switchover on Cisco uBR10012 router, an error message is displayed indicating that the IPC message received has inconsistent header data.
CSCte75410	The ping command fails for a wideband modem hosted on Cisco uBR-MC20X20V line card after repeated switchover of the PRE module.
CSCte77042	The cable modems drop offline during switchover and revertback of the Cisco UBR-MC20X20 line card.
CSCte77268	The downstream local upstream command for the Cisco uBR10-MC5X20 line card is missing from the Cisco IOS image.
CSCte79637	The Cisco CMTS may not reject the registration request (REG-REQ) when the cable modem configuration file contains both IPv4 fields (other than TCP or UDP source or destination ports) and IPv6 fields in one DOCSIS QoS classifier.
CSCte80520	Modems cannot go the online (w-online) state after all the cable line cards are reset when more than two working line cards are configured in a Hot Standby Connection-to-Connection Protocol (HCCP) group.
CSCte84191	There is a mismatch of the BPI index between the cable line card and the remote SPA when a redundancy is not configured on the line card and the guardian line card is rebooted.
CSCte85016	Rollback fails for the cable admission-control us-bandwidth bucket-no minor major exclusive command
CSCte90166	The show cable modulation-profiles command displays the modulation profiles for the for the Cisco uBR10-MC5X20H line card.
CSCte96459	The Cisco UBR-MC20X20V cable line card on the Cisco CMTS running Cisco IOS Release 12.2(33)SCC3 crashes due to Hot Standby Connection-to-Connection Protocol (HCCP) assert failure.
CSCte97814	A small fixed size memory leak is observed during boot up when BGP is enabled.

Bug ID	Description
CSCte97922	The hardware version, software version and serial number are not displayed for UBR10-FAN-ASSY, UBR10-PWR-DC and UBR10-PWR-AC modules.
CSCte99379	The cable admission-control ds-bandwidth/us-bandwidth command results in spurious memory access traceback.
CSCtf02278	The SCDMA US "Code per minislots" is set to 4 after configuring the "Spreading Interval frame" to 1.
CSCtf04993	The IPDR/SP CMTS-US-UTIL data reported is out of the specified range
CSCtf06267	An IPv6 CPE cannot communicate with the Cisco CMTS after the ND cache is cleared.
CSCtf09375	The MAC domain cable interface is configured to shutdown after the card has been powered off with the hw-module <subslot> command. However, when the card is powered on by the no hw-module <subslot> command, the shutdown configuration is missing when the interface comes up.
CSCtf14490	The docsIf3CmtsSpectrumAnalysisMeasEntry data is not updated on a Cisco uBR10012 router.
CSCtf19518	The output of docsIFCmtsModulationTable MIB and the show cable modulation-profile verbose command is inconsistent.
CSCtf20370	When the line card is reverted from the protect mode to the working mode, it crashes the PRE and the working line card.
CSCtf22188	QoS group configurations accepts a ToS value of 256 through SNMP even though the valid range is 0 to 255.
CSCtf24983	Incrementing of Downstream Channel Descriptor (DCD) counters stop for integrated cable interfaces on OIR of the line card.
CSCtf26326	When configuring the Cisco CMTS with ISIS, the internal IPC Ethernet address 127.x.x.x is advertised even when no service internal is configured. Also, in this case, the IPC interface cannot be configured by the end user.
CSCtf26531	IPDR reports two counters in the DS-UTIL counters record as zero.
CSCtf28287	Continuous "Nickel10G" error is logged on the PRE console of the Cisco CMTS.
CSCtf32861	The cable metering ipdr session command does not configure successfully if "usage-based billing" and "streaming of billing records" is already configured to an external server.
CSCtf48376	The Cisco CMTS crashes when the show cable modem <ip> service flow verbose command is executed several times.
CSCtf49834	CMRegStatusValue is not consistent with the RecType2 record for DOCSIS 1.0 and DOCSIS 1.1 cable modems.
CSCtf51515	AES keys are incorrectly read while the hardware and software information is incorrectly displayed.
CSCtf54880	Invalid memory action (malloc) is observed on the Cisco CMTS console when the Cisco CMTS has been idle for an extended period of time.
CSCtf56062	Traceback occurred when the cable interface was shut down.
CSCtf57372	The "IPv6 lookup addr in host has host pointing to freed memory" error message is displayed on the Cisco CMTS.
CSCtf57509	The license modify priority command does not enable the evaluation license.

Bug ID	Description
CSCtf59126	The upstream-service-group gets removed from the CMTS when the Cisco UBR-MC20X20V cable interface line card switchover occurs more than three times, or when the Cisco UBR-MC20X20V cable interface line card switchover occurs, followed by the RP switchover.
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.
CSCtf63729	An IPv6 customer premise equipment (CPE) fails to get an IP address when it is connected to an IPv4 cable modem.
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.
CSCtf72353	The SFP Entity MIB entry Removal MIB object is called repeatedly when the SPA is inserted.
CSCtf73047	The show pxf cpu statistics security interface command displays the same information for every interface.
CSCtf76282	If a dual-stack is CPE online, the clear cable host x.x.x command causes the corresponding line card to crash.
CSCtf76524	An IPv6 modem moved into a new MAC Domain that is configured with the cable ip-init ipv4 command, still stays online.
CSCtf77370	The SNMP tool returns an incorrect error message when trying to set the value of the ccqmEnfRuleViolateNotifEnable MIB object.
CSCtf79314	There are duplicate DSID entries allocated to the same session on the same interface.
CSCtf79419	The service Identifier (SID) displays "zero" for multicast Baseline Privacy (BPI) sessions after a line card switchover.
CSCtf80198	The protect card automatically becomes active due to the keepalive failure.
CSCtf81039	The CPE entries are displayed even after the CPE is disconnected from the cable modem.
CSCtf82934	The wideband cable modems that are online cannot go w-online after a hardware reset.
CSCtf84980	Overlapping downstream channel IDs in a MAC domain cause conflict in the configuration, thus causing some downstream channels to become unusable.
CSCtf85427	Memory leak occurs when more than 21 profiles are configured in a policy map.
CSCtf85500	The cable modem on the logical channel goes offline after a line card switchover.
CSCtf85532	The Cisco DPC3000 cable modem rejects dynamic bonding change request (DBC-REQ).
CSCtf85667	PacketCable calls would first get closed and then set up again during a line card switchover.
CSCtf88832	Traceback occurs when a cable modem is reset.
CSCtf89823	The SNMP query, ccwbRFChannelMpegPkts, for downstream RF channels does not return any result.
CSCtf90283	The show depi command returns a traceback error on the Cisco uBR10012 router.

Bug ID	Description
CSCtf90859	Memory allocation failure is observed on a Cisco router after fast channel change with dynamic multicast.
CSCtf93115	After a PRE switchover, the aggregate multicast service flow counter is incorrect on the Cisco uBR10012 router.
CSCtf93373	Excessive collisions and high CPU usage observed on the Cisco uBR10012 router.
CSCtf95877	Traceback occurs when performing an In-Service Software Upgrade (ISSU).
CSCtf96525	The cable filter group for the multimedia terminal adapter (MTA) does not match with the device class after a PRE switchover.
CSCtf98939	The show cable modem ipv6 command does not display the IPv6 stack address.
CSCtf99414	The show controller command shall display BPI information for UBR10-MC20X20 line cards.
CSCtf99712	An error occurs when the line cards are powered on which prevents the cable modems to come online.
CSCtf99823	The show cable modem wideband command does not display a wideband capable cable modem, if the modem is registered as a narrowband modem.
CSCtg00424	DHCPv6 SOLICIT messages are dropped by the Cisco CMTS when a static IPv4 CPE attempts to get a dual-stack IP address.
CSCtg00460	The cable filter matching behavior is different between the route processor and the toaster.
CSCtg01386	The Cisco CMTS does not drop invalid IPv6 packets with loopback source address.
CSCtg02818	Memory leak is seen after running PacketCable Multimedia (PCMM) calls for more than 12 hours.
CSCtg03087	The "spectrum-mgr" assigns frequency to an upstream interface in shutdown state. The show cable spectrum-group displays incorrect results.
CSCtg07854	Packets are assigned to wrong queues when the policy-map configuration is modified.
CSCtg08584	The show logging onboard command displays a wrong voltage value.
CSCtg09261	After a line card switchover, the wideband cable modem may lose Layer 3 connectivity.
CSCtg09730	The show inventory command does not list all compact flash cards.
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.
CSCtg12222	The DOCSIS 3.0 cable modems may come online in narrowband mode.
CSCtg12263	Some warning messages related to load balancing need to be listed as error messages.
CSCtg12714	PacketCable Multimedia (PCMM) gate synchronization messages are dropped on the active PRE module after clear cable modem all delete command is executed.
CSCtg14992	When a cable modem sends the ICMPv6 echo request with zero hop limit to a cable interface, the ICMPv6 echo reply is returned.
CSCtg16255	Modems using modular interfaces on the Cisco UBR10-MC20X20 line card go offline after a line card switchover.

Bug ID	Description
CSCtg16637	SAMIS and IPDR generate duplicate records for each deleted multicast service flow.
CSCtg18963	Error messages are displayed when the dual-stack CPE IPv6 modem tries to come online.
CSCtg21941	DSG tunnel-group cable dsgr tg configuration command can not be configured on the bundle subinterfaces.
CSCtg23313	Wideband modems moving from reject (pk) to online (pt) do not complete the Baseline Privacy Interface (BPI) negotiation.
CSCtg23869	IPDR triggers high RP CPU utilization when entries in the service flow log table time-out, and data is written to disk.
CSCtg25392	IPv4 TCP/UDP packets matches the downstream classifier that is used for IPv6 TCP/UDP packets.
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.
CSCtg27367	The test cable dsa command does not work properly for IPv6 Customer Premise Equipment (CPE)
CSCtg30528	The Cisco CMTS router takes a long time to complete the addition of extended access control list (ACL) entries.
CSCtg33421	The output of show cable modem ipv6 cpe command displays many global IPv6 addresses.
CSCtg37467	The docsLoadbal3GrpStatusChgOverSuccess counters cannot be increased in DOCSIS 3.0 General Load Balancing Group (GLBG).
CSCtg40023	MAC Rewrite Indices (MRI) are different on the active and standby PRE modules; the standby PRE module has more entries than the active PRE module.
CSCtg43929	Cable modems drop offline when protect and active Cisco uBR-MC20x20 cable interface line cards are powered off
CSCtg46412	The output of the show cable modem x.x.x cpe command does not display the static IPv4 address of the cable modem.
CSCtg46479	The message "REQGRP-6-UNKLCREQ: Received unknown IPC request (50)" is seen on uBR10012 router log periodically. This message is seen when encrypted multicast traffic is used along with a Cisco UBR-MC20X20V cable line card in slot 5, and a remote SPA as a downstream channel.
CSCtg46662	Alignment traceback is seen when the show cable fiber association command is executed.
CSCtg48066	Reprogramming the Blaze field-programmable gate array (FPGA) fails on the DOCSIS 24-RF channel SPA.
CSCtg48495	A multicast service flow admission failure occurred on the Cisco UBR10012 router for insufficient bandwidth, although the interface has sufficient bandwidth to admit the service flow.
CSCtg48985	DOCSIS Set-Top Gateway (DSG) multicast static joins are not created in the bundle interface.
CSCtg48989	Inconsistent IPv6 CPE data is displayed in the output of the show running-config command.

Bug ID	Description
CSCtg49064	Hot Standby Connection-to-Connection Protocol (HCCP) group configuration cannot be removed when the working line card is locked.
CSCtg49121	Tracebacks are seen from the AToM Manager when the clock is set to an earlier time and date while unprovisioning the virtual channel.
CSCtg49184	The output of the show hccp event-history command displays incorrect error information.
CSCtg49195	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg49784	Traceback is observed after the cable modem is shifted from the Cisco uBR10-MC5X20 line card to the guardian Cisco UBR10-MC20X20 line card.
CSCtg50212	CPU spike are observed on the Route Processor during FPD image upgrade.
CSCtg52140	The cable modem database is corrupted and the modems go offline after a switchover as the database is not synchronized between the Route Processor and the line card.
CSCtg52567	The show running-config command displays the "penalty-period 10080" command when the default value of 10080 is configured.
CSCtg54998	Incorrect decode of the interrupt stack for saved registers is displayed in the crashinfo file.
CSCtg55865	The PRE4 module continuously logs ironbus fault messages when the line card is reboots after a line card crash.
CSCtg61170	Multicast may select the forwarding interface which does not match to the req-attribute mask.
CSCtg61717	Dynamic Channel Change (DCC) may now work when enabled in a protect Cisco UBR10-MC20X20 and Cisco uBR10-MC5X20 line card setup.
CSCtg61848	The RF channels per controller on the protect Cisco UBR10-MC20X20 line card are in no rf-shutdown state after a switchover of the working Cisco uBR10-MC5X20 line card.
CSCtg65255	The SNMP MIB Object entPhysicalVendorType and entPhysicalModelName display wrong output for Cisco Wideband SPA.
CSCtg65851	An unscheduled reload of the router occurs when the Cisco SIP- 600 SIP is installed to a slot provisioned for a the Cisco Wideband SIP.
CSCtg66491	"Error message ""%IPCGRP-3-ERROR: outgoing IPC bypass failed"" is observed when active PRE and standby PRE are loaded with different images and standby PRE goes into RPR mode triggering PRE switchover."
CSCtg67080	Error message "%Error: The LC 5/1 is Protect. Forbid to add its US into FN 5" is observed after Cisco CMTS boots up.
CSCtg67108	The show license commands fail to execute on the Route Processor.
CSCtg68924	"Encountered TBD2 code in cmts_bundle_ipv6_addr" message is observed on the Cisco CMTS console when IPv6 is provisioned on a bundle sub-interface.
CSCtg72650	When a CPE has multiple IP addresses configured to a single MAC address, all except one of the IP addresses become unreachable after two PRE module switchovers.

Bug ID	Description
CSCtg72675	The CMTS ignores the static multicast cable modem interface mask settings in cable modem configuration file.
CSCtg73667	The Cisco Wideband SPA and the Cisco SIP-600 SIP crashed due to a watchdog reset and automatically reloaded.
CSCtg73720	A high CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCtg76834	Error message "... %UBR10000-3-NOMAC: Cannot allocate MAC address for interface ..." is observed after the "shutdown" and "no shutdown" of the cable interface on the Cisco uBR10012 router with Cisco UBR-MC20X20V line card.
CSCtg77372	Error message "HCCP_CFG_FAIL: hccp_parse_config" is seen on the Cisco CMTS when the cable upstream minislot-size command is executed.
CSCtg78358	The protect line card crashed after performing a manual switchover from working Cisco uBR10-MC5x20H line card to the protect line card.
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.
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.
CSCtg81535	The debug code needs to be enhanced in order to capture the cause for bad timing offset. It does not have any impact on the functionality.
CSCtg81562	When a cable modem goes offline and immediately comes back online, its timing offset value sometimes has a "!" symbol before it.
CSCtg83241	Cable modems (CM) configured with Early Authentication and Encryption (EAE) cannot be pinged even if they are in UB online (pt) state.
CSCtg83560	"Invalid Upstream Channel ID" traceback is observed on Cisco CMTS.
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.
CSCtg84288	Line card does not boot successfully after PRE switchover.
CSCtg84729	Working cable line card (CLC) crashes after Route Processor Redundancy (RPR) switchover when more number of multicast sessions are in progress.
CSCtg85867	The CPEs cannot process encrypted multicast traffic when a dynamic multicast session is created on a DPC-300 modem.
CSCtg87170	After PRE switchover CPUHOG is observed on active line card with multicast client.
CSCtg88052	The following message is seen on the Cisco CMTS after shutting down a Gigabit Ethernet (GE) interface even if the XFP/SFP is not removed:
CSCtg89197	System and IO Memory Leak may cause fragmentation warning after repeated configuration change of the cable upstream upstream-index max-logical-chans or cable upstream max-ports num-ports commands.

Bug ID	Description
CSCtg89664	During Cisco CMTS startup the following error message is observed on standby PRE: “%UBR10K_REDUNDANCY-4-RP_HA_STDBY_INCONSISTENT: Standby PRE dropping inconsistent sync messages, Error count 1. 5/1 REMOTE BOARD not inserted.”
CSCtg89719	BADTXOFFSET error message is displayed on the Cisco CMTS console.
CSCtg89795	Spectrum management does not work on the Cisco UBR-MC20X20V line card when the bandwidth is set to EuroDOCSIS frequency range.
CSCtg90766	Cisco uBR-MC20X20 cable interface line card interrupt line may get stuck in the active state causing the cable modems to remain offline.
CSCtg90865	A non-primary Multicast (MC) interface is selected for multicast forwarding.
CSCtg93115	Tracebacks are seen when the show pxf cable feature-table bundle x command is executed.
CSCtg94564	CMTS crash may be observed due to memory corruption.
CSCtg95289	CMTS may fail to ping IPv6 cable modems.
CSCtg95319	Error message “cable <i>slot/subslot/port</i> is in a fiber node so Bundle cannot be changed” is observed when the bundle number on a Cable MAC domain interface is changed (or removed) using the cable bundle number command.
CSCtg96250	CMTS performs packet filtering even if it is not configured on the CMTS.
CSCtg96542	High line card CPU utilization is observed for dynamic services with 500 multicast channel changes per second.
CSCtg99640	Cable modems in the reject (epk) and reject (ept) do not get reset when the clear cable modem reject reset command is executed.
CSCth00131	CMTS crashes when the clear cable modem all delete command is executed.
CSCth01285	Multicast traffic is not forwarded across DOCSIS Set-Top Gateway (DSG) tunnels on modular and legacy downstreams.
CSCth01799	The following error may be sometimes displayed on PRE4 log: "PXF_NICKEL-3-FTS_ERROR: FTS SEQUENCE Error: 1 in nickel0/port1"
CSCth01896	Multiprotocol Label Switching (MPLS) CPE cannot be pinged and loses IP connectivity.
CSCth02741	High CPU utilization is observed on Cisco CMTS while running simulation test patterns.
CSCth03398	The standby PRE crashes when the issu abortversion reload command is executed.
CSCth09331	Cable Modem goes offline after line card switchover on MAC Domain with SCDMA and spectrum management configured.
CSCth09854	Cable modem may reject DBC-REQ due to incorrect ranging dynamic window.
CSCth10629	It takes a long time to get SNMP MIB object <code>ccqmCmtsIfBwUtilEntry</code> when CMTS contains many cable interface line cards.
CSCth11377	Cable interface line card is powered off after PRE switchover due to PXF crash
CSCth12362	Incorrect Time-Length-Value(TLV) length is received on the Route Processor (RP).

Bug ID	Description
CSCth15663	Subscriber Traffic Management (STM) does not work in both monitoring modes on modular-Cable interface.
CSCth16375	IPv4 classifiers are not synced correctly during Dynamic Channel Change (DCC) operation.
CSCth18889	Multicast traffic is not received by the cable modem.
CSCth18973	When there are many downstream TCP sessions active at the same time, Cisco uBR10012 PRE2 may experience packet drops
CSCth20234	During an ISSU-SS operation when the ISSU ABORTVERSION command is executed, the system rejects the command until a different version is attempted.
CSCth22076	Dynamic Bonding Change (DBC) operation fails after the line card switchover.
CSCth22572	Spectrum MIB is not supported for Multiple Transmit Channel (MTC) cable modem.
CSCth24251	Cisco CMTS reports exhaustion of application IDs.
CSCth25114	Downstream External PHY Interface (DEPI) control plane sessions drop after the ISSU runversion command is executed, and fails to re-establish.
CSCth25715	Some Wideband Cable Modems (WCMs) do not get w-online after reloading Cisco CMTS.
CSCth28043	The output of the SNMP MIBs ccacUsRevEntry and ccacDsRevEntry is displayed after a long time.
CSCth29344	Cable Modems may fail to come online or remain online due to lack of SPA resources.
CSCth29995	A DOCSIS 3.0 Cable modem after coming online, may not respond to the ping command when it is provisioned as DOCSIS 1.0 cable modem and is forced to do Early Authentication and Encryption (EAE).
CSCth30050	The Baseline Privacy Interface plus (BPI+) policy feature does not explicitly takes care of the static IP addresses.
CSCth30415	PROC_WATCHDOG does not work with the standby PRE on Cisco uBR10012 router.
CSCth30476	TCP-flags does not work as expected in packet filtering when the tcp_mask masks off all the bits in configured tcp_flags.
CSCth31143	The show inventory command on a PRE-2 with a 64MB flashdisk wrongly displays flashdisk size as 128MB.
CSCth31946	A brief multicast packet loss is observed after an IGMPv3 leave command is executed with multiple IGMPv3 hosts in the same mulitcast group on a Cisco CMTS with the Cisco UBR-MC20X20V cable line card.
CSCth32726	When a cable modem (CM) is repeatedly forced reset, the CM certificate is not always revoked although the CM certificate is revoked on the OCSP responder.
CSCth35421	A HTTP fail configuration error is observed when line card high availability member slots are added to a SCDMA configured CMTS.
CSCth36030	System Event Archive (SEA) process accesses the boot disk even when it is disabled.
CSCth37447	The CMTS logs a out of range card slot index error message during a SNMP query of the docsMcastCmtsReplSessEntry MIB object.

Bug ID	Description
CSCth37607	The Cisco UBR-MC8X8V line card CPU utilization is high and admission control fail messages are repeatedly displayed.
CSCth39702	The cable multicast-qos group does not synchronize correctly after a line card switchover.
CSCth41958	Iron bus faults causes the Cisco UBR10-MC5X20H line card to reset.
CSCth43735	Layer 3 traffic does not flow from an interface of the 5-Port Gigabit Ethernet Shared Port Adapter until a reload of the SPA, SIP, or chassis occurs.
CSCth44289	The standby PRE processor module resets when the depi tunnel is removed from the configuration.
CSCth45908	The IPv6 cable modems are unreachable when Dynamic Channel Change (DCC) initialization techniques 1-4 are used within a line card on the downstream channel.
CSCth47008	The show cable registered command output has alignment issues at the online status and timing offset statistics.
CSCth48083	The Cisco UBR10-MC20X20V line card resets when the show tech-support cmts command is executed.
CSCth49224	The default interface service flow for multicast Qos is not created after a line card switchover.
CSCth50596	The show cable modem IPv6 cpe command output for IPv6 cable modems takes a long time to display.
CSCth52908	IPC-5- WATERMARK, UBR10K-3-QUEUEFULL messages are repeatedly displayed on the Cisco uBR10012 router.
CSCth54435	The customer premises equipment (CPE) fails to receive multicast traffic from the Cisco uBR10012 router, when SPA channels are added to a Cisco UBR10-MC2X020 line card with downstream service group configuration.
CSCth54817	The static multicast group configuration on the integrated-cable interfaces are not synchronized after a line card switchover.
CSCth59049	Downstream service flow statistics display zeroes after an In-Service software upgrade (ISSU) PRE module switchover.
CSCth59215	HCCP-3-CFG_FAIL error messages are observed on the active and standby PRE console. The static multicast packets have different service flows after a line card switchover.
CSCth59322	The guardian line card does not display all the Baseline Privacy Index (BPI) values while executing the show interfaces cable command.
CSCth59516	The low latency service flow is incorrectly created after the 16th downstream service flow is created.
CSCth60315	Multicast sessions are not created after a revertback to the working line card. The default downstream service identifier is not created and security association identifier (SAID) is changed after the switchover.
CSCth61055	The issu linecard loadversion command was rejected while performing a in-service software upgrade (ISSU) step up upgrade
CSCth61850	Memory leak is observed on the Cisco uBR10012 router with multicast service flows configured.

Bug ID	Description
CSCth62056	The docsIfCmtsDownChnlCtrExtTotalBytes MIB object does not return the expected value for integrated-cable interfaces on Cisco UBR10-C20X20 line card.
CSCth64363	Inconsistent synchronization PRE error messages are displayed when the standby PRE module boots up.
CSCth64941	L2TP daemon error messages and high CPU utilization seen on Cisco CMTS.
CSCth66150	"Blaze HM testcase failed" error messages are displayed in the log of a Cisco uBR10012 router.
CSCth71107	The voice path is lost for at least 30 seconds for active calls during a line card failover.
CSCth72064	The wideband cable modems connected to the downstream bonding channel group with non-primary channel impairment are unreachable. The packet count does not increase in the PRE module.
CSCth74132	The protect line card state is not correct after removing the working line card from the high availability group.
CSCth74900	The cable modem is stuck in reject (pk) state when two certificates of the same manufacturer are loaded on the line card.
CSCth75743	An incorrect upstream packet filter group is set as a media terminal adapter (MTA) when upstream service flows are setup for voice calls.
CSCth78573	Packet loss is seen on the Cisco CMTS. The packets are intermittently encapsulated and sent to the Cisco Wideband SPA.
CSCth85067	High CPU utilization is seen on the Cisco CMTS when the IGMP input processes several thousands of IGMP reports every query-interval.
CSCth86397	Rate-limiting on the upstream channel is activated before the peak rate is reached leading to bandwidth requests being dropped prematurely on the Cisco UBR10-MC20X20 line card.
CSCth86975	ARP entries with same bundle MAC are stored in the standby PRE when they are added to the Cisco CMTS.
CSCth87831	The show cable calls command displays the interface with upstream channel bonding even if there are no voice call associated with that particular interface.
CSCth90620	Unable to poll individual object identifiers (OID) for the first entry of ciscoEnvMonTemperatureStatusValue MIB object using SNMP requests.
CSCth94632	The PRE minor alarm displays the amber light even when the PEM is replaced.
CSCth95931	The Cisco CMTS may crash after a MAXHOST error message is displayed when cable modem max-cpe command is configured.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC4

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.
CSCsr96042	Router crashes when the VPN Routing and Forwarding (VRF) configuration is changed.
CSCsx33622	Flapping BGP sessions occur in the network when a Cisco IOS application sends full-length segments with TCP options.
CSCsy18380	All cable modems on adjacent downstreams go offline when the JIB that services both downstream ports is locked.
CSCtb33109	Some cable modems may go offline during a switchover of a protect Cisco uBR10-MC5X20H line card and a working Cisco uBR10-MC5X20U line card.
CSCtb73450	Start-Control-Connection-Request (SCCRQ) packets may cause tunnel to reset after digest failure.
CSCtb97382	The wideband association is displayed incorrectly after the cable power is switched off on all the line cards.
CSCtb99555	IPDR output document may report redundant information if the corresponding fiber node has not been changed.
CSCtc44253	The cable modem's accumulated timing-offset goes to a negative value and the error message “%UBR10000-4-BADTXOFFSET: Bad timing offset -182443 detected for cable modem 000a.73cc.c7b7.” is displayed at the CMTS.
CSCtc44487	Router crashes when a Cisco UBR-MC20X20V line card is added or removed from the redundancy configuration.
CSCtc62311	The SNMP MIB object docsIf3CmtsCmRegStatusTable does not display all modem entries when the modem is in an offline state.
CSCtc62929	The Cisco CMTS router fails to assign modem to the Restricted Load Balancing Group (RLBG) and DOCSIS 3.0 General Load Balancing Group (GLBG) after the first logical channel is shutdown.
CSCtc68481	The show inventory command output is not showing the secondary PRE on an uBR10012 router
CSCtc69860	Traceback occurs when unconfiguring the bundle interfaces.
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.
CSCtc84180	The Layer2 VPN fails to forward the ARP traffic on the Cisco uBR10012 router.
CSCtc84404	SNMP MIB object docsQos3CmtsDsidCurrentSeqNum does not support Cisco UBR-MC20X20 and Cisco UBR-MC8X8 cable line cards.
CSCtc84897	The classifiers for Cisco DPC2607 Customer Premise Equipment (CPE) types correctly identify the CPE, but the filters are not effective in filtering the packets from these devices.

Bug ID	Description
CSCtc86770	The total downstream (DS)/upstream (US) pkts/bytes counters displayed by the show cable l2-vpn xconnect dot1q-vc-map verbose command are inconsistent on the Cisco uBR10012 router.
CSCtc95495	The show cable modem service-flow verbose command incorrectly displays the MAC Rewrite Indices (MRI) that exceed 64 K. Subsequent information displayed by this command is also incorrect because it is dependent on the MRI.
CSCtc96582	The output traffic rate through the tunnel interface does not exceed 4 Kbps when VPN routing and forwarding (VRF) and tunneling is configured.
CSCtd21274	A number of items of MIB objects docsIfCmtsCmStatusTable are not supported on the DOCSIS 3.0 online cable modem. This is because these objects rely on a single upstream channel while the online DOCSIS 3.0 cable modem has multiple upstream channels.
CSCtd28028	Flow control does not work on the 1-port Gigabit Ethernet half-height (ESR-HH-1GE) interface of a Cisco uBR10012 router.
CSCtd31427	The MIB object docsDevEvReporting does not display the local volatile bit.
CSCtd32223	The show tech command does not include the contents of show controller integrated-cable x/y/z command for the Cisco UBR-MC20X20V cable line card.
CSCtd36723	The output of the show inventory command displays the Cisco UBR10-MC5X20T line card when a Cisco uBR10-MC5x20H line card is pre-provisioned in the configuration.
CSCtd50531	The standby PRE2 module may reset automatically because of PEER_INIT_TIMEOUT
CSCtd57007	The carrier-to-noise ratio (CNR) value goes down with added noise. Even if the noise is removed the value continues to remain the same.
CSCtd60220	Invalid input is detected for upstream threshold CNR profiles when booting with a saved configuration.
CSCtd62445	L2VPN packet forwarding statistics do not change. This issue occurs when the show cable l2-vpn xconnect mpls-vc-map verbose command is executed while forwarding traffic with multiple Service Flows (SF) each having different VPNID.
CSCtd64027	The LinkDown SNMP traps are sent twice instead of once, causing some Network Management Systems (NMS) tools to erroneously think the link is still down
CSCtd67838	The Cisco CMTS may incorrectly attempt to load-balance to a disabled interface.
CSCtd71795	The TLV does not work when a cable modem registers with a configuration file which has IPMulticastJoinAuthEncoding sub TLV value configured.
CSCtd77576	A high CPU utilization is observed on the Cisco uBR10-MC5x20U cable line card. This issue occurs when N+1 line card protection is configured and there are a large number of VDOC channel changes resulting in IGMP joins and leaves.
CSCtd83463	The DOCSIS 3.0 cable modem goes offline after the test cable dcc command is executed with a ranging technique of 1.
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.
CSCtd93255	An Upstream Channel Descriptor (UCD) CCC message appears for each upstream port on the protect line card when the protect card is configured based on one of the working line cards.

Bug ID	Description
CSCte07585	The standby PRE crashes during the cable modem entry cleanup.
CSCte10736	SNMP MIB object docsLoadbal3CmtsCmParamsCurrentGrpId always returns zero.
CSCte14603	A vulnerability in the Internet Group Management Protocol (IGMP) version 3 implementation of Cisco IOS Software and Cisco IOS XE Software allows a remote unauthenticated attacker to cause a reload of an affected device. Repeated attempts to exploit this vulnerability could result in a sustained denial of service (DoS) condition. Cisco has released free software updates that address this vulnerability.
CSCte15207	The standby PRE is reset after the working and protect uBR-MC20X20V cable line cards are reset at the same time.
CSCte17479	All cable modems under a single upstream unexpectedly move to expire (pt) state on the Cisco uBR10012 router.
CSCte20181	The route processor crashes when polling for cefFESelectionEntry.
CSCte20910	Memory fragmentation error is observed on the Cisco uBR10012 universal broadband router.
CSCte36841	Cisco uBR10012 Boothelper is not compatible with older IOS images.
CSCte48051	Legacy Set Top Boxes (STB) with IOS release 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 resulted in compatibility issues with legacy STBs.
CSCte50468	Cable monitor cannot capture downstream packets on a SIP 600 with a 24 RF channel SPA in bay 1 or bay 2.
CSCte53032	The modulation profile's preamble length for internal usage code (IUC) types, station, and initial becomes very large.
CSCte57880	The service unsupported-transceiver configuration on a PRE4 is not available.
CSCte57965	All cable modems on adjacent downstreams go offline when the JIB that services both downstream ports is locked.
CSCte62343	The wideband SPA becomes unusable after a BLAZE SPI interrupt. All cable modems using SPA downstreams go offline.
CSCte63882	The output of the show diagnostic ood-status command does not give correct information and details about the SPAs and the DTCC cards.
CSCte77426	All the line cards crash because of the Dynamic Host Configuration Protocol Daemon (DHCPD) receive process
CSCte79772	After the active PRE crashes, some modems cannot get online after the switchover.
CSCte83897	The output of the MIB object docsDiag is not complete when the number of CMs in error state is greater than 30.
CSCte89797	The SAMIS and IPDR record displays junk value for the field CMTSupIfName for the multicast service flow.
CSCte91500	An error is seen when the cable modem sends malformed mac-mgmt pak to the Cisco CMTS.
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.

Bug ID	Description
CSCte92761	SAMIS and IPDR records are not generated for deleted multicast service flows.
CSCte93995	Packets are delayed in prioritized downstream flows, which results in delayed or no dial tone.
CSCte97135	An IPv4 cable modem with an IPv6 CPE does not forward IPv6 multicast traffic because the Cisco CMTS did not provide the list of DSIDs in the registration.
CSCte99323	The Secondary PRE is reset due to parser return error after the secondary collector associate on the IPDR config is added or deleted.
CSCtf04817	A cable line card crashes when the debug cable mac-protocol command and dynamic channel change (DCC) are used.
CSCtf05351	The error message “UBR10K-6-STDBY_CM_INCONSISTENCY” is displayed on the standby PRE after the Cisco Call Manager (CCM) is deleted.
CSCtf05943	Cable modem subscribers experience one-way RTP traffic.
CSCtf12078	The ISSU Compatibility Matrix shows that Cisco IOS Releases 12.2(33)SCC1 to 12.2(33)SCC2 is Base-compatible instead of Compatible, when the system continues to run in SSO mode after the IOS Release 12.2(33)SCC1-12.2(33)SCC2 ISSU upgrade or downgrade.
CSCtf13030	The Cisco uBR10-MC5X20H-D cable line card displays incorrect software platform version group when the show version command is run on the line card or on the MIB walk.
CSCtf14214	The Cisco UBR-MC20X20V cable interface line card may crash due to jib3us detecting a fatal interrupt.
CSCtf14886	When FTP/UDP traffic is sent to 304 service-flows across wideband interfaces, queues are stuck and do not pass traffic.
CSCtf17357	The Cisco router may hang after the cable upstream privilege configuration CLI is executed.
CSCtf18541	Cisco uBR10-MC20X20 protecting Cisco uBR10-MC5X20 redundancy preconfig does not take effect after adding the uBR10-MC20X20 working member.
CSCtf19777	Repeated ECC error messages on PRE-4 cause 100% CPU and service interruption.
CSCtf20175	After a dynamic channel change (DCC), IP connectivity to a CPE with multiple IPs assigned to a single MAC address, is lost.
CSCtf20276	Load-Sharing of Multiprotocol Label Switching (MPLS)/Virtual Private Network (VPN) does not happen on the upstream router direction even though the paths have the same cost to reach a particular destination.
CSCtf20577	The CAM entries are not populated correctly for the IPv6 Multicast Traffic.
CSCtf20698	Connectivity issues occur in the outbound interface on the Cisco uBR10012 router (either cable or WAN) because of a stuck pxf queue. The modems may get stuck in the init (io) state.
CSCtf21117	A cpe start ipdr record is generated when only the device-class is updated for a CPE entry.
CSCtf21795	The Cisco CMTS router does not send an override message when the MAC domain port number is not 0.

Bug ID	Description
CSCtf24696	Incorrect core temperature readings are observed on the Cisco uBR10012 Universal Broadband Router with PRE2/3/4 running the Cisco IOS Release 12.2(33)SCB and later.
CSCtf26777	The RecType field is set to a wrong value when the template is DIAGLOG-DE- TAIL, and the session type is event.
CSCtf26903	When configuring sampling rate or duration for an enforce rule, a check is present on the CLI to ensure that the duration is greater than the sample rate. This check is absent when these values are set via the MIB.
CSCtf28247	DOCSIS 3.0 cable modems go offline after the SPA GigE link detects loss of signal when fiber node is unplugged.
CSCtf31727	Changing the service class parameters on a cable modem results in messages not getting passed to the PRE.
CSCtf31850	On a Cisco uBR-MC20X20V LC, Downstream Frequency Overriding (DFO) debug messages are not displayed in the log, even though the RF topology is configured for DFO.
CSCtf32042	The cable modems become unreachable even if they are in the online(pt) state. This occurs when a modem moves within the same MAC domain using load balancing or the test cable dcc command with DCC profiles 1-4.
CSCtf34993	The IN and OUT packet counter in ifMIB is zero.
CSCtf37141	The maximum character length for the VRF name is 32 characters. When configuring the VRF parameter for the divert rate limit trusted sites, the command accepts 32 characters. However only 31 characters are displayed in the running configuration and in the output of the show pxf cpu drl-trusted-sites command
CSCtf38246	Upstream (US) traffic may exceed the peak-rate configured in service class in non-mtc mode.
CSCtf39293	A traceback was observed on the Cisco router when the cable modem failed to register.
CSCtf40657	The "UBR10K_REDUNDANCY-4-RP_HA_STDBY_INCONSISTENT" error message is displayed during the online insertion and removal (OIR) when any interface on the line card being powered down is configured with spectrum management.
CSCtf41553	CMTS PEAK-OFFPEAK STATS memory leak is observed in the line card.
CSCtf44327	Multiprotocol Label Switching (MPLS) Business Services over DOCSIS (BSoD) needs to convert user priority to MPLS exp range in CM config file TLVs. However the show pxf command does not support this.
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.
CSCtf52207	Line card-to-line card internet protocol communication (IPC) does not function when line card CPU is heavily loaded.
CSCtf53847	A cable modem with a UGS flow lags behind due to inconsistent packet transmission and request for a Q1 bit may not be processed.
CSCtf56958	Bandwidth is not shared evenly between the DOCSIS 2.0 cable modems and the DOCSIS 3.0 cable modems.

Bug ID	Description
CSCtf57059	Unexpected values are observed in the activity-based Weighted Fair Queuing (WFQ) aggregated throughput.
CSCtf57391	Loss of records is observed when the Internet Protocol Data Records (IPDR) data amount is large.
CSCtf57709	Cable line card crashes because of IP header (IPH) length error check. This issue occurs when a module generates a bad IPH packet that confuses the subsequent modules leading to other potential problem.
CSCtf61012	The Cisco CMTS router crashes when the SNMP client queries the docsIf3CmtsCmRegStatusEntry MIB object.
CSCtf65153	The "tsec_tx_interrupt: WARNING transmit underrun occurred" occurs on DTCC card even when there is no underrun.
CSCtf67220	Some cable modems get stuck in the reject (pk) state when connected to a UBR-MC20X20V line card.
CSCtf69260	A cable modem failed to register when upstream traffic congestion was observed.
CSCtf69637	JIB downstream ring is stuck leading to excessive uniform call distribution (UCD) update error handling due to no map buffer. This affects voice calls on other upstreams on a different MAC domain.
CSCtf72917	Cable modems on the Cisco UBR-MC20X20V cable interface line card become unreachable after load balancing between different ports on the SPA using DCC tech 1-4.
CSCtf74537	There are alignment issues in the envmib_temperature_trap()
CSCtf77798	The output of the show cable modem <interface> upstream x offline command does not display any output.
CSCtf79425	On a Cisco uBR10-MC5X20H line card, aggregated throughput may exceed the configured value.
CSCtf80506	Multiple grants per interval (MGPI) may not work in Cisco IOS Release 12.2(33)SCB and later.
CSCtf83476	The wideband interface on the standby route processor is not changed from the primary bonding group to the secondary bonding group using <code>snmp set ccwbWB-BondGrpSecondary</code> .
CSCtf86322	When the <code>ccqmCmtsEnfRuleRelTimeMonitorOn</code> object of a Subscriber Traffic Management (STM) enforce-rule is set to false through SNMP, the same is not reflected in the Cisco CMTS router.
CSCtf89656	The Cisco CMTS router is unable to complete downstream movement for DOCSIS 1.0 cable modems.
CSCtf92440	If temperature goes below 0 Celsius, the Cisco CMTS router would generate false temperature log against Cisco UBR-MC20X20V cable interface line card.
CSCtf93904	Utilization-based downstream load balancing and dynamic bandwidth sharing do not work after an HCCP line card failover.
CSCtf95388	The show cable modem partial-mode command does not work for IPv6 cable modems.
CSCtf95986	The Internet Protocol Detail Record (IPDR) topology schema does not work correctly.

Bug ID	Description
CSCtf97614	Aggregated throughput may exceed the threshold configured using the cable upstream rate-limit-ccf command.
CSCtg00991	After the line card switchover eMTAs become unreachable. This occurs on the eMTAs that are in the same VPN Routing and Forwarding(VRF) with the cable modem (CM).
CSCtg01311	An interprocess communication (IPC) keepalive timeout on one cable interface line card may cause a timeout event on another line card.
CSCtg09253	Cable modems intermittently go offline during downstream load balancing using dynamic channel change (DCC).
CSCtg11289	The docsQos3CmtsDebugDsidStatsDsidPackets and docsQos3CmtsDebugDsidStatsDsidOctets counters are automatically cleared after the traffic is registered for the w-online modems.
CSCtg13739	The Cisco UBR-MC20X20V cable interface line cards crash without generating crashinfo files.
CSCtg14022	The embedded multimedia terminal adapters (eMTAs) are unable to get configuration files from the TFTP server.
CSCtg15794	An Inter Process Communication (IPC) connection may fail to get established between the two line cards during bootup.
CSCtg21410	Performance Routing Engine (PRE) crashes when polling SNMP MIB object ciscoFlashMIB.
CSCtg31642	After the Cisco uBR10-MC5X20U cable interface line card switchover, connectivity problem is observed on some CPE devices.
CSCtg34604	The Cisco UBR-MC20X20 cable interface line cards in multiple slots allow only 50 per cent of traffic load.
CSCtg36302	Debug support is added for JIB2.
CSCtg39286	Cable line card crashes because of IP header (IPH) length error check.
CSCtg40581	Missing entries when polling the SNMP MIB object ifStackStatus.
CSCtg51537	Line card-to-line card internet protocol communication (IPC) is broken because of memory corruption.
CSCtg72914	Cisco UBR-MC20X20V line card preconfig does not take effect when the Cisco CMTS router boots up.
CSCtg84725	Layer 1 watchdog timeout is observed on a Cisco UBR-MC20X20V line card.
CSCtg87028	The Cisco uBR10-MC5X20H line card crashes when M-CMTS configuration and DOCSIS load balancing groups are present.
CSCth03415	A PRE crash is observed when a large number of voice calls are ongoing.

Open Caveats—Cisco IOS Release 12.2(33)SCC3

- CSCsy38998

Symptoms: The CPUHOG error message and traceback may be seen on the protect line card of a Cisco uBR10012 router.

Conditions: This issue occurs when the **clear cable modem all reset** command is executed.

Workaround: There is no workaround.

- CSCsy68856

Symptoms: The active DOCSIS queues remain active in the event of a DOCSIS SPA failure.

Conditions: This issue occurs when modems are online and passing traffic on the modular cable and on the wideband cable interfaces, and the DOCSIS SPA fails. The DOCSIS queues associated with these online modems remain active and attempt to dequeue.

Workaround: Execute the **microcode reload pxf** command.

- CSCsz49382

Symptoms: Cable modems do not respond to Layer 3 pings.

Conditions: This issue occurs only on the Cisco uBR10-MC5X20S/U line cards and when equalization-coefficient PRE is configured.

Workaround: Restart the cable line card.

- CSCsz55288

Symptoms: Alignment traceback messages are displayed when the **show memory leak res user** and **show buffer usage** commands are executed.

Conditions: This issue occurs when the **show memory leak res user** and **show buffer usage** commands are executed in Cisco IOS Release 12.2(33)SCB.

Workaround: There is no workaround.

- CSCsz69359

Symptoms: Memory leak is observed on the line card because of MAC parser with overnight PC calls.

Conditions: This issue occurs after the overnight PC calls.

Workaround: There is no workaround.

- CSCsz77977

Symptoms: The OIR of a PCMCIA flash disk can cause a watchdog reset of the PRE.

Conditions: This issue occurs during the OIR of a PCMCIA flash disk that is being actively accessed.

Workaround: Restrict the removal of the PCMCIA flash disk.

- CSCsz98503

Symptoms: Sporadic short losses of a few minutes occur when multiple cable modems go off on a random upstream. These losses are usually accompanied by a spike in the error per second rate or by an MER drop and a decrease in docsIfSigQUnerrored. However, the reverse is not true—a brief degradation of the physical connectivity parameters does not necessarily trigger a brief CM loss.

Conditions: This issue occurs on the Cisco uBR10-MC5X20H line cards.

Workaround: There is no workaround.

- CSCta05835

Symptoms: Entries in the docsBpi2CmtsMulticastObjects MIB object are duplicated after a line card revertback.

Conditions: This issue occurs when the **cable match** command is configured with BPI. The IGMP join is received for the group in the **cable match** command, and the docsBpi2CmtsMulticastObjects MIB object is populated. This results in line card switchover and revertback.

Workaround: There is no workaround.

- CSCta27366

Symptoms: The Cisco uBR10000 PRE CPU goes to 100% when the FPGA on the Wideband SPAs that are plugged into a Cisco SIP-600 are being upgraded.

Conditions: This issue occurs during the SPA FPGA upgrade process.

Workaround: There is no workaround.

- CSCta38298

Symptoms: Active PRE fails over to secondary reporting:

```
ACTIVE RP WATCHDOG TIMEOUT TRIGGERED
```

Conditions: This issue occurs in Cisco IOS Release 12.3(23)BC7.

Workaround: There is no workaround.

- CSCta39239

Symptoms: The standby PRE does not get synchronized when the active PRE is set via SNMP.

Conditions: This issue occurs when configuring the **cable upstream docsis-mode** command using SNMP.

Workaround: Configure the **cable upstream docsis-mode** command using the CLI instead of SNMP.

- CSCtb24309

Symptoms: Around 60 to 70 bytes of buffer memory space is allocated when the protect line card becomes active after a system boot.

Condition: This issue occurs during a line card switchover.

Workaround: There is no workaround.

- CSCtb74904

Symptoms: After PRE switchover, the service flow counter shows 0 on the Cisco uBR10012 router.

Conditions: This issue occurs after a PRE switchover.

Workaround: There is no workaround.

- CSCtb83278

Symptoms: Executing the **term len 0** and **show cable modem** commands pauses the generated output randomly for up to a second on a PRE4 module with hundreds of CMs.

Conditions: This issue occurs on a PRE4 module with hundreds of CMs.

Workaround: There is no workaround.

- CSCtb97382

Symptoms: The wideband association is displayed incorrectly after the cable power is switched off on all the line cards.

Conditions: This issue occurs when running the following script:

1. **cable power [on | off] 5/0**
2. **cable power [on | off] 8/1**
3. **cable power [on | off] 5/1**

Workaround: There is no workaround.

- CSCtc44253

Symptoms: The modem's accumulated timing-offset goes to a negative value. The following error message is displayed in the CMTS:

```
%UBR10000-4-BADTXOFFSET: Bad timing offset -182443 detected for cable modem
000a.73cc.c7b7.
```

Conditions: This issue occurs on the Cisco uBR10-MC5X20D line card.

Workaround: There is no workaround.

- CSCtc50928

Symptoms: The MIB object **docsIfCmtsChannelUtUtilization** is not supported on modular cable (MC) and integrated cable (IC) interfaces.

Conditions: This issue occurs when you set the MIB objects **docsIfCmtsChannelUtilizationInterval** and **ccwBRFChanUtilInterval**, and use the SNMP query for **docsIfCmtsChannelUtilization**. The results are displayed only for Cisco uBR10-MC28U and Cisco uBR10-MC5X20 line card downstream channels.

Workaround: Use the MIB object **ccwBRFChannelUtilization** for the MC and IC interfaces.

- CSCtc55806

Symptoms: The 24th MAC Domain Downstream Service Group (MD-DS-SG) is missing from the output of the **show cable mac-domain downstream-service-group** command.

Conditions: This issue occurs when a fiber node configuration has channels in a MAC domain belonging to 24 different fiber nodes.

Workaround: There is no workaround.

- CSCtc59089

Symptoms: The cable line card crashes with a PacketCable Multimedia (PCMM) voice call testing.

Conditions: This issue occurs in the multiline Cisco Analog Telephone Adaptor (ATA) behind cable modems in a PCMM setup.

Workaround: There is no workaround.

- CSCtc62096

Symptoms: Dynamic multicast service flow and reserved bandwidth exist even after the removal of the multicast QoS (MQoS) configuration from the second bonding group.

Conditions: This issue occurs after an MQoS bandwidth reservation oversubscription takes place.

Workaround: Perform a PRE switchover.

- CSCtc62311

Symptoms: The MIB object **docsIfCmtsCmStatusTable** does not display all the modem entries the way the MIB object **docsIf3CmtsCmRegStatusTable** does.

Conditions: This issue occurs when the modem is in offline state.

Workaround: There is no workaround.

- CSCtc69860

Symptoms: The following traceback is displayed when unconfiguring the bundle interfaces:

```
Oct 21 23:40:08.951 PDT: %GENERAL-3-EREVENT: No HWIDB_SB_C10K_TT
-Traceback= 60A32A5C 6182EEE0 619159A0 61916248 6019EEFC 601936C0 60198EE0 60AADBB0
60A91CF4 60A9CCA8 609B8940 601384B4 609E4628 60B2E6B8 60B2E6A4
```

Conditions: This issue occurs when a complicated testing case runs scripts in which all the bundle interfaces are unconfigured.

Workaround: There is no workaround.

- CSCtc77957

Symptoms: The WB association is incorrect after line card switchover and hardware reset.

Conditions: This issue occurs when a series of power-off and power-on operations are performed on the working and protect line cards.

Workaround: There is no workaround.

- CSCtc81968

Symptoms: The MIB object **CLAB-TOPO-MIB** returns more interface instances than the CLI.

Conditions: This issue occurs under normal conditions.

Workaround: Use the CLI instead of the SNMP to get fiber node information.

- CSCtc84180

Symptoms: The Layer2 VPN fails to forward the ARP traffic on the Cisco uBR10012 router.

Conditions: This issue occurs when traffic is sent through Layer2 VPN.

Workaround: There is no workaround.

- CSCtc84897

Symptoms: The classifiers for Cisco DPC2607 CPE types correctly identify the CPE, but the filters are not effective in filtering the packets from these devices.

Conditions: This issue occurs during a normal operation of the cable plant. Some CPEs send an ARP before sending a DHCP Discover message. This causes the CPE to be populated in the CMTS database as an unknown device type. When the CPE sends the DHCP discover message, the device type is updated in the software, but the hardware entries are still categorized as unknown.

Workaround: There is no workaround.

- CSCtc86770

Symptoms: The Total DS/US pkts/bytes counters displayed by the **show cable l2-vpn xconnect dot1q-vc-map verbose** command are inconsistent on the Cisco uBR10012 router.

Conditions: This issue occurs when the DOCSIS SF-based 802.1Q mapping L2VPN is configured.

Workaround: There is no workaround.

- CSCtc94975

Symptoms: The number of pre-equalization taps decrease incorrectly after a line card failover.

Conditions: This issue is observed on a Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCB4 with N+1 redundancy.

Workaround: There is no workaround.

- CSCtd14220

Symptoms: Traceback is seen during the auto upgrade of the DOCSIS Timing, Communication, and Control (DTCC) card firmware.

Conditions: This issue occurs on a firmware upgrade of the DTCC card.

Workaround: There is no workaround.

- CSCtd21274

Symptoms: The following items of the MIB object **docsIfCmtsCmStatusTable** are not supported on the DOCSIS 3.0 online cable modem. This is because these objects rely on a single upstream channel while the online DOCSIS 3.0 cable modem has multiple upstream channels.

- docsIfCmtsCmStatusUpChannelIfIndex
- docsIfCmtsCmStatusRxPower
- docsIfCmtsCmStatusSignalNoise
- docsIfCmtsCmStatusModulationType
- docsIfCmtsCmStatusTimingOffset
- docsIfCmtsCmStatusEqualizationData

docsIf3CmtsCmUsStatusTable has the following:

- docsIf3CmtsCmUsStatusChIfIndex
- docsIf3CmtsCmUsStatusRxPower
- docsIf3CmtsCmUsStatusSignalNoise
- docsIf3CmtsCmUsStatusModulationType
- docsIf3CmtsCmUsStatusHighResolutionTimingOffset
- docsIf3CmtsCmUsStatusEqData

Conditions: This issue occurs when there is an online DOCSIS 3.0 modem.

Workaround: There is no workaround.

- CSCtd24347

Symptoms: The Generic Routing Encapsulation (GRE) tunnel does not forward traffic.

Conditions: This issue occurs when a new GRE tunnel is created on a Cisco uBR10012 router.

Workaround: Execute the **shutdown** and **no shutdown** commands on the tunnel interface.

- CSCtd25393

Symptoms: The IGMPv3 CPE behind the DOCSIS 3.0 main distribution frame-capable modem using a local integrated cable downstream interface as primary fails to receive any multicast traffic.

Conditions: This issue occurs after the Cisco UBR-MC20X20V line card switchover that occurs because of DSID change. The line card fails to receive traffic after the switchover.

Workaround: There is no workaround.

- CSCtd26295

Symptoms: The debug output to the terminal is curtailed when the logging discriminator is enabled.

Conditions: This issue occurs in Cisco IOS Release 12.2(33)SCB5.

Workaround: There is no workaround.

- CSCtd28028

Symptoms: Flow control does not work on the ESR-HH-1GE interface of a Cisco uBR10012 router.

Conditions: This issue occurs on the ESR-HH-1GE interface of a Cisco uBR10012 router.

Workaround: There is no workaround.

- CSCtd31427

Symptoms: The MIB object **docsDevEvReporting** does not display the local volatile bit.

Conditions: This issue occurs when the MIB object **docsDevEvReporting** ignores bits 3 to 7. When the 3rd bit is set, the local volatile is not set.

Workaround: There is no workaround.

- CSCtd31499

Symptoms: The Wideband DOCSIS 3.0 modem does not receive MDD from the Cisco uBR10012 router. The modem falls back to narrowband.

Conditions: This issue occurs on a Cisco uBR10-MC5X20H line card.

Workaround: Remove the downstream modular cable configuration from the cable interface, and then reinstall the line card. Alternatively, reload the line card.

- CSCtd32223

Symptoms: The **show tech** command does not include the contents of **show controller integrated-cable x/y/z** for the Cisco UBR-MC20X20V cable line card.

Conditions: This issue occurs on the Cisco UBR-MC20X20V cable line card.

Workaround: Execute the **show controller integrated-cable x/y/z** command after executing the **show tech** command.

- CSCtd33164

Symptoms: The PRC_CONFIG_CHANGE change type is displayed while configuring the privacy-related commands.

Conditions: This issue occurs when the terminal `prc expose` is enabled on the Cisco uBR10012 router.

Workaround: There is no workaround.

- CSCtd36723

Symptom: The **show inventory** command displays the Cisco uBR10-MC5X20T line card when a Cisco uBR10-MC5X20H line card is preprovisioned in the configuration.

Conditions: This issue occurs when the **show inventory** command is executed during the preconfiguration of the hardware.

Workaround: Use the output of the **show diag** command to determine the installed hardware.

- CSCtd43242

Symptoms: A crash may occur on the Cisco uBR10-MC5X20H line card.

Conditions: This issue occurs when the PRE module crashes because of an IPC timeout.

Workaround: There is no workaround.

- CSCtd45627

Symptoms: The upstream service flow is rejected although the reserved bandwidth and the requested bandwidth is lesser than the maximum reserved bandwidth.

Conditions: This issue is triggered when the admission control (AC) event is not configured, but the AC maximum reserved bandwidth and the AC threshold are configured.

Workaround: Do not configure the AC threshold when the AC event is not configured.

- CSCtd50531

Symptoms: The standby PRE2 module may reset automatically because of PEER_INIT_TIMEOUT.

Conditions: This issue occurs when the standby PRE2 module is normalized more than 100 times.

Workaround: Power cycle the Cisco uBR10012 router.

- CSCtd52962
Symptoms: High-availability Baseline Privacy Index (BPI) TEK encryption key synchronization occurs repeatedly.
Conditions: This issue occurs when BPI is enabled.
Workaround: There is no workaround.
- CSCtd59573
Symptoms: The Wideband cable modem enters the online state, but does not enter the w-online state even after the **clear cable modem** command is executed.
Conditions: This issue occurs after a Cisco UBR-MC20X20V line card switchover.
Workaround: There is no workaround.
- CSCtd60792
Symptoms: The standby PRE2 module may reset automatically because of PEER_INIT_TIMEOUT.
Conditions: This issue occurs when the standby PRE2 module is normalized more than 100 times.
Workaround: Power cycle the Cisco uBR10012 router.
- CSCtd64027
Symptoms: The LinkDown SNMP traps are sent twice instead of once, causing some NMS tools to erroneously mark the link as down.
Conditions: This issue occurs when a Wideband SPA or Gigabit Ethernet interface on the Cisco uBR10012 router either goes down or an attached cable is disconnected.
Workaround: There is no workaround.
- CSCtd65834
Symptoms: A message stating that duplicate frequencies are configured on the integrated cable controllers is required.
Conditions: This message is required during the migration of the Cisco uBR10-MC5X20H line card to the Cisco UBR-MC20X20V cable interface line card.
Workaround: The downstream rf-channel assignment mapping needs to be done before the migration.
- CSCtd67202
Symptoms: The port does not become active.
Condition: This issue occurs on a Cisco uBR10012 router configured with DEPI control plane.
Workaround: There is no workaround.
- CSCtd67838
Symptoms: The Cisco CMTS may incorrectly attempt to load balance to a disabled interface.
Conditions: This issue occurs in Cisco IOS Release 12.2(33)SCB5.
Workaround: There is no workaround.
- CSCtd73908
Symptoms: Excessive unicast and multicast packet loss is seen after a Wideband SPA switchover.
Conditions: This issue occurs on a Wideband SPA Gigabit Ethernet interface. The switchover takes 70 seconds to converge.
Workaround: There is no workaround.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC3

- CSCtd20903

Symptoms: The **cable clock dti** command does not work.

Conditions: This issue occurs when the system starts with two DTCC cards, and then one card is unplugged during run time.

Workaround: There is no workaround.
- CSCtf14214

Symptoms: The Cisco UBR-MC20X20V cable interface line card may crash because of jib3us detecting a fatal interrupt.

Conditions: This issue occurs on a Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCC1 when a non-DOCSIS-compliant cable modem sends fragmented packets.

Workaround: There is no workaround.
- CSCtf20698

Symptoms: Connectivity issues occur in the outbound interface on the Cisco uBR10012 router (either cable or WAN) because of a stuck pxf queue. The modems may get stuck in init(io).

Conditions: This issue occurs when the interface default queues are deleted because of the **no card** command on a Cisco uBR10012 router running Cisco IOS Release 12.2(33) SCB, Cisco IOS Release 12.2(33) SCC, or Cisco IOS Release 12.2(33) SCD.

Workaround: After executing the **no card** command, perform two PRE switchovers.
- CSCtf21795

Symptoms: The CMTS does not send an override message when 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.
- CSCtf32042

Symptoms: The cable modems become unreachable even if they are in the online(pt) state.

Conditions: This issue occurs with the Cisco UBR-MC20X20V and Cisco uBR-MC88V cable interface line card when a modem moves within the same MAC domain using Load Balancing or the **test cable dcc** command with DCC profiles 1-4.

Workaround: Do one of the following:

 - Use DCC 0 for Load Balancing, which forces the modems to reregister before completing the move. Load Balancing does not move the modems that have active voice calls. The **test cable dcc** command moves a modem even if it has active voice calls.
 - Disable BPI. This eliminates the need to move key information to new channels.
 - Disable Load Balancing. This ensures that the modem remains in online(pt), and does not move to a new channel.
- CSCtf34993

Symptoms: The IN/OUTPkts counter is 0 in ifMIB.

Conditions: This issue occurs on the Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCC.

Workaround: There is no workaround.

- CSCtf53847

Symptoms: A modem with an UGS flow lags behind because of inconsistent packet transmission.

Conditions: This occurs in Cisco IOS Release 12.2(33)SCC2 on a Cisco UBR-MC20X20V cable interface line card, when the UGS flow sends a QI bit in a message, and the QI bit is not processed, resulting in the modem lagging behind in the UGS flow.

Workaround: There is no workaround.

- CSCtf72917

Symptoms: Modems on the Cisco UBR-MC20X20V cable interface line card are unreachable after Load Balancing different ports on the SPA using DCC tech 1-4.

Conditions: This issue occurs only with DCC tech 1-4 and does not occur when the modem is forced to reregister and reauthenticate.

Workaround: Use Load Balancing in conjunction with DCC tech 0.

Open Caveats—Cisco IOS Release 12.2(33)SCC2

- CSCsy38998

Symptoms: The CPUHOG error message and traceback may be seen on the protect line card of a Cisco uBR10012 router.

Conditions: This issue occurs when the **clear cable modem all reset** command is executed.

Workaround: There is no workaround.

- CSCsy68856

Symptoms: The active DOCSIS queues remain active in the event of a DOCSIS SPA failure.

Conditions: This issue is observed when modems that are online are passing traffic on the modular-cable interfaces, wideband-cable interfaces, or both, and the DOCSIS SPA fail. The DOCSIS queues associated with these online modems remain active attempting to dequeue.

Workaround: Execute the **microcode reload pxf** command.

- CSCsz49382

Symptoms: CMs do not respond to Layer 3 pings.

Conditions: This issue is observed when PRE-EQ (equalization-coefficient) is configured on the Cisco uBR10-MC5X20S and Cisco uBR10-MC5X20U cards.

Workaround: Reset the cable line card.

- CSCsz50204

Symptoms: A multicast quality of service (QoS) session is not automatically created when changing the group configuration or group QoS configuration (GQC).

Conditions: This issue is observed when a multicast QoS group is configured on a bundle interface and a matching static-group is defined. Any change in the group configuration after it is applied to the bundle interface is not implemented, and the original multicast QoS session is removed.

Workaround: Remove the multicast QoS session from the bundle interface and reapply it to the bundle.

- CSCsz55288

Symptoms: Alignment traceback messages are found after the executing the **show memory leak res user** and **show buffer usage** commands.

Conditions: This issue occurs when the **show memory leak res user** and **show buffer usage** commands are executed.

Workaround: There is no workaround.

- CSCsz69359

Symptoms: Memory leak is observed on the line card due to MAC parser with overnight PC calls.

Conditions: This issue is observed when the PacketCable calls are present overnight on the line card.

Workaround: There is no workaround.

- CSCsz77977

Symptoms: Online insertion and removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE module.

Conditions: This issue is observed during OIR of the PCMCIA flash disk that is being actively accessed.

Workaround: Deactivate the features that access the PCMCIA flash disk. These features include:

- System Event Archive (SEA)
- Docsis 3.0 IPDR (IP Detail Record)
- Any file system operation (dir, copy, delete, format, squeeze, more, and so on)
- Any management system automation which accesses the PCMCIA flash disk

It is recommended that you restrict the removal of PCMCIA flash disks to a maintenance window.

- CSCsz98503

Symptoms: There may be sporadic short losses (of a few minutes) of multiple CMs going offline on an (random) upstream. These losses are usually accompanied by a spike in the error per second rate or Modulation error rate (MER) drop and a decrease in **docsIfSigQUnerrored** MIB object.

However, the reverse is not true—a brief degradation of the physical connectivity parameters does not necessarily trigger a brief CM loss.

Conditions: This issue is observed on Cisco uBR10-MC5X20H line cards.

Workaround: There is no workaround.

- CSCta05835

Symptoms: Entries in the **docsBpi2CmtsMulticastObjects** MIB object duplicate after a line card reverts.

Conditions: This issue is observed when a **cable match** command is configured with BPI. The IGMP join is received for the group in the **cable match** command and the **docsBpi2CmtsMulticastObjects** MIB object is populated. This causes the line card to switchover and revert.

Workaround: There is no workaround.

- CSCta27366

Symptoms: The Cisco uBR10000 router PRE CPU goes up to 100% when the FPGA on the Wideband SPAs plugged into a Cisco SIP-600 are being upgraded.

Conditions: This issue only occurs during the SPA FPGA upgrade process.

Workaround: There is no workaround.
- CSCta32429

Symptoms: The CMs that are not capable of downstream bonding are expected to come online on downstreams that are not part of a bonding group. However, non-bonding capable CMs are wrongly registered in bonded channels.

Conditions: This issue occurs when the **cable service attribute non-ds-bonded downstream-type bonding-disabled** command is configured on the Cisco CMTS.

Workaround: There is no workaround.
- CSCta38298

Symptoms: The active PRE fails over to secondary.

Conditions: This issue was first observed in Cisco IOS Release 12.3(23)BC7.

Workaround: There is no workaround.
- CSCta39239

Symptoms: While configuring the **cable upstream docsis-mode** command using SNMP, the standby PRE module does not synchronize with this configuration.

Conditions: This issue occurs when configuring the **cable upstream docsis-mode** command using the SNMP.

Workaround: Configure the **cable upstream docsis-mode** command using the CLI instead of SNMP.
- CSCtb24309

Symptoms: Around 60 to 70 bytes of buffer memory space is allocated when the protect line card becomes active after a system bootup.

Condition: This issue occurs during a line card switchover.

Workaround: There is no workaround.
- CSCtb74904

Symptoms: After the PRE switchover, the service flow counter displays the value 0. However, the right service flow is used to forward packets and the packets reach the CPEs.

Conditions: This issue is observed during a PRE switchover.

Workaround: There is no workaround.
- CSCtb83278

Symptoms: Executing the **term len 0** and **show cable modem** commands pauses the generated output randomly for up to a second on PRE4 module with hundreds of CMs.

Conditions: This issue occurs on the PRE4 module with hundreds of CMs.

Workaround: There is no workaround.
- CSCtb97382

Symptoms: The wideband association is displayed incorrectly after the cable power is switched off on all the line cards.

Conditions: This issue is observed when running the following script:

1. **cable power [on | off] 5/0**
2. **cable power [on | off] 8/1**
3. **cable power [on | off] 5/1**

Workaround: There is no workaround.

- CSCtc44253

Symptoms: The accumulated timing-offset of the modem goes to a negative value and the following error message is displayed on the CMTS:

```
%UBR10000-4-BADTXOFFSET: Bad timing offset -182443 detected for cable modem
000a.73cc.c7b7.
```

Conditions: This issue occurs on the Cisco uBR-MC5X20D line card.

Workaround: There is no workaround.

- CSCtc50928

Symptoms: The MIB object **docsIfCmtsChannelUtUtilization** is not supported on modular cable or integrated cable (MC/IC) interfaces.

Conditions: This issue occurs when you set the MIB objects **docsIfCmtsChannelUtilizationInterval** and **ccwbRFChanUtilInterval**, and use the SNMP query for **docsIfCmtsChannelUtilization**. The results are displayed only for Cisco UBR10- MC28U and Cisco UBR-MC5X20 downstream channels.

Workaround: Use the MIB object **ccwbRFChannelUtilization** for MC/IC interfaces instead **docsIfCmtsChannelUtUtilization**.

- CSCtc54875

Symptoms: The Cisco uBR10-MC5X20H line card may crash after reporting memory allocation failures.

Conditions: This issue is observed when multiple memory allocations failures occur.

Workaround: There is no workaround.

- CSCtc55806

Symptoms: The 24th MAC Domain Downstream Service Group (MD-DS-SG) is missing in the output of the **show cable mac-domain downstream-service-group**.

Conditions: This issue occurs when the fiber-node configuration has channels in a MAC domain belonging to 24 different fiber-nodes.

Workaround: There is no workaround.

- CSCtc59089

Symptoms: The cable line card crashes with PacketCable Multimedia (PCMM) voice call testing.

Conditions: This issue was seen in the multi-line Cisco Analog Telephone Adaptor (ATA) behind cable modems (CMs) in a PCMM setup.

Workaround: There is no workaround.

- CSCtc62096

Symptoms: Dynamic multicast service flow and reserved bandwidth information exists even after removal of multicast QoS (MQoS) configuration from the second bonding group.

Conditions: This issue occurs after a multicast QoS bandwidth reservation oversubscription takes place.

Workaround: Perform a PRE switchover.

- CSCtc62311

Symptoms: The MIB object **docsIf3CmtsCmRegStatusTable** does not display all modem entries.

Conditions: This issue occurs when the modem is in an offline state.

Workaround: There is no workaround.

- CSCtc69860

Symptoms: The following traceback is seen when unconfiguring the bundle interfaces:

```
Oct 21 23:40:08.951 PDT: %GENERAL-3-EREVENT: No HWIDB_SB_C10K_TT
-Traceback= 60A32A5C 6182EEE0 619159A0 61916248 6019EEFC 601936C0 60198EE0 60AADBB0
60A91CF4 60A9CCA8 609B8940 601384B4 609E4628 60B2E6B8 60B2E6A4
```

Conditions: This issue occurs when a complicated testing case runs scripts where all bundle interfaces are unconfigured.

Workaround: There is no workaround.

- CSCtc77957

Symptoms: The wideband association is incorrect after line card switchover and hardware reset.

Conditions: This issue occurs when a series of power-off and power-on operations are performed on the working and protect line cards.

Workaround: There is no workaround.

- CSCtc81968

Symptom: The MIB object **CLAB-TOPO-MIB** returns more interface instances compared to the CLI.

Conditions: This issue occurs when the SNMP is used to get the fiber-node information.

Workaround: Use the CLI instead of SNMP to get the fiber-node information.

- CSCtc84180

Symptoms: The Layer 2 VPN fails to forward ARP traffic on the Cisco uBR10012 router.

Conditions: This issue occurs while sending traffic through theLayer2 VPN.

Workaround: There is no workaround.

- CSCtc84897

Symptom: The classifiers for the Cisco DPC2607 CPE types correctly identifies the CPE, but the filters are not effective in filtering the packets from these devices.

Conditions: This issue occurs in normal operations of the cable plant. Some CPEs do not behave properly and send an ARP before sending a DHCP discover message, which populates the CPE in the CMTS database as an “Unknown” device type. Once the CPE sends the DHCP discover message, the device type is updated in the software, but the hardware entries are still categorized as “Unknown”.

Workaround: There is no workaround.

- CSCtc86770

Symptoms: The “Total DS/US pkts/bytes” counters that the **show cable l2-vpn xconnect dot1q-vc-map verbose** command displays are inconsistent on Cisco uBR10012 router.

Conditions: This issue occurs when DOCSIS SF-based 802.1Q mapping L2VPN is configured.

Workaround: There is no workaround.

- CSCtc94975

Symptoms: The number of pre-equalization taps decrease incorrectly after cable line card failover.

Conditions: This issue is observed on a Cisco uBR10000 router running Cisco IOS Release 12.2(33)SCB4.

Workaround: There is no workaround.

- CSCtd14220

Symptoms: A traceback report is seen during an auto-upgrade of DTCC card firmware.

Conditions: This issue occurs during the firmware upgrade of the DTCC card.

Workaround: There is no workaround.

- CSCtd21274

Symptom: The following items of the MIB object **docsIfCmtsCmStatusTable** are not supported on the DOCSIS 3.0 online cable modem. This is because these objects rely on single upstream channel while the online DOCSIS 3.0 cable modem has many upstream channels.

- docsIfCmtsCmStatusUpChannelIfIndex
- docsIfCmtsCmStatusRxPower
- docsIfCmtsCmStatusSignalNoise
- docsIfCmtsCmStatusModulationType
- docsIfCmtsCmStatusTimingOffset
- docsIfCmtsCmStatusEqualizationData

docsIf3CmtsCmUsStatusTable has following objects:

- docsIf3CmtsCmUsStatusChIfIndex
- docsIf3CmtsCmUsStatusRxPower
- docsIf3CmtsCmUsStatusSignalNoise
- docsIf3CmtsCmUsStatusModulationType
- docsIf3CmtsCmUsStatusHighResolutionTimingOffset
- docsIf3CmtsCmUsStatusEqData

Conditions: This issue occurs when there is an online DOCSIS 3.0 modem.

Workaround: There is no workaround.

- CSCtd24347

Symptoms: The generic routing encapsulation (GRE) tunnel interface does not forward traffic.

Conditions: This issue occurs when a new GRE tunnel is created on a Cisco uBR1012 router.

Workaround: Execute the **shutdown** command followed by the **no shutdown** command on the tunnel interface.

- CSCtd25393

Symptoms: The IGMPv3 CPE behind the DOCSIS 3.0 main distribution frame (MDF) capable modem, using the local integrated cable downstream interface as primary fails, to receive any multicast traffic after the Cisco UBR10-MC20X20 line card switchover.

Conditions: The issue occurs after a Cisco UBR10-MC20X20 line card switchover. This issue occurs due to a DSID change.

Workaround: There is no workaround.

- CSCtd26295

Symptoms: The debug output to the terminal is curtailed when the “logging discriminator” is enabled.

Conditions: This issue was observed in Cisco IOS Release 12.2(33)SCB5.

Workaround: There is no workaround.

- CSCtd28028

Symptoms: Flow control does not work on the 1-port Gigabit Ethernet half-height (ESR-HH-1GE) interface of a Cisco uBR10012 router.

Conditions: This issue occurs on ESR-HH-1GE interface of a Cisco uBR10012 router.

Workaround: There is no workaround.

- CSCtd31427

Symptoms: The MIB object **docsDevEvReporting** does not display the local volatile bit.

Conditions: This issue occurs as the MIB object ignores bits from 3 to 7. When the third bit is set, the local volatile bit is not set.

Workaround: There is no workaround.

- CSCtd31499

Symptoms: The Wideband DOCSIS 3.0 modem does not receive the MAC domain descriptor (MDD) from the Cisco uBR10012 router and falls back to narrowband.

Conditions: This issue occurs on a Cisco uBR10-MC5x20H line card.

Workaround: Remove the downstream modular-cable configuration from the cable interface and reinstall the line card. Another workaround is to reload the line card.

- CSCtd32223

Symptoms: The **show tech** command does not include contents of **show controller integrated-cable** for the Cisco UBR10-MC20X20 cable line card.

Conditions: This issue occurs on the Cisco UBR10-MC20X20 cable line card.

Workaround: Execute the **show controller integrated-cable** command after the executing the **show tech** command.

- CSCtd33164

Symptoms: The parser return code configuration “PRC_CONFIG_CHANGE” change-type is displayed while configuring related commands.

Conditions: This issue occurs when **terminal prc expose** command is enabled on the Cisco uBR10012 router.

Workaround: There is no workaround.

- CSCtd36723

Symptom: The **show inventory** command displays the Cisco UBR10-MC5X20T line card when a Cisco uBR10-MC5x20H line card is preprovisioned in the configuration

Conditions: This issue occurs when the **show inventory** command is executed during the preconfiguration of the hardware.

- Workaround: Execute the **show diag** command to determine the installed hardware.
- CSCtd43242

Symptoms: A crash may occur on the Cisco uBR10-MC5X20H line card.

Conditions: This issue occurs as the PRE module crashes due to a inter-process communication (IPC) time out.

Workaround: There is no workaround.
 - CSCtd45627

Symptoms: The upstream service flow is rejected although the reserved and requested bandwidth is lesser than the maximum reserved bandwidth.

Conditions: This issue is triggered when the admission control (AC) max-reserved-bandwidth and AC threshold are configured but not the if the AC event.

Workaround: Do not configure the AC threshold if the AC event is not configured.
 - CSCtd50531

Symptoms: The standby PRE2 module may keep getting automatically reset.

Conditions: This issue occurs due to buffer leaks in the PRE2 module.

Workaround: Power cycle the Cisco uBR10012 chassis.
 - CSCtd52962

Symptoms: The high availability BPI tek encryption key sync occurs repeatedly.

Conditions: This issue occurs when BPI is enabled.

Workaround: There is no workaround.
 - CSCtd59573

Symptom: The Wideband cable modem enters online state but does not enter w-online state, even after executing the **clear cable modem** command.

Conditions: This issue occurs after a Cisco UBR10-MC20X20 line card switchover.

Workaround: There is no workaround.
 - CSCtd60792

Symptoms: The standby PRE2 module may keep getting automatically reset.

Conditions: This issue occurs due to memory buffer leaks on the PRE2 module.

Workaround: Power cycle the Cisco uBR10012 chassis.
 - CSCtd64027

Symptoms: The linkdown SNMP traps are sent twice instead of once causing some of the network management systems (NMS) tools to erroneously think assume the link is still down.

Conditions: This issue occurs when a Wideband SPA or GigabitEthernet interface on the Cisco uBR10012 router goes down or an attached cable is disconnected.

Workaround: There is no workaround.
 - CSCtd65823

Symptoms: The uBR10-MC5X20H line card is not recognized after a cable modem is powered off and on.

Conditions: This issue occurs on a PRE4 module on a Cisco uBR10-MC5X20H line card.

Workaround: There is no workaround.

- CSCtd67202
Symptoms: The standby port on a DEPI control plane does not become active.
Condition: This issue occurs on a Cisco uBR10012 router with DEPI control plane configured.
Workaround: There is no workaround.
- CSCtd67838
Symptoms: The Cisco CMTS may incorrectly attempt to load balance to a disabled interface.
Conditions: This issue occurs in Cisco IOS Release 12.2(33)SCB5.
Workaround: There is no workaround.
- CSCtd73908
Symptoms: Excessive unicast and multicast packet loss is seen on a Wideband SPA switchover.
Conditions: This issue occurs on a Wideband SPA GigabitEthernet interface when the switchover takes 70 seconds to converge.
Workaround: There is no workaround.
- CSCtd98495
Symptoms: The cable modems go offline on a port on the cable line card.
Conditions: This issue is seen on the downstream PHY on the cable line cards.
Workaround: Reload the line cards.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC2

- CSCtd20903
Symptoms: The **cable clock dti** command does not work.
Conditions: This issue occurs when the system starts with two DTCC cards, and one card is unplugged during run time.
Workaround: There is no workaround.
- CSCte10747
Symptoms: The modem may register in partial mode. This is seen when the **show cable modem [mac] verbose | inc partial** command was executed. The DOCSIS 3.0 modem keeps cycling from offline to "UB init(t)" state, but is unable to register online.
Conditions: These issue occurs in the following conditions:
The PHYv3.0 section 6.2.19 Transmit Power Requirement contains the transmit power budget on per channel basis, derived from the modem transmit channel set, and each individual upstream channel parameters. The existing DOCSIS plant may be designed for single channel DOCSIS 1.x/2.0 modems, which has a much higher maximum transmit power level, comparing to DOCSIS 3.0 modem operating in MTC-mode and having 2 or more channels.
In such a case, the modem may range successfully prior to REGISTRATION, since the modem is still operating with a single channel, like legacy 2.0/1.x modem. As soon as it is transitions to MTC-mode during REG-RESP, its allowable maximum transmit power level is below the ranged reference channel power level, thus causing the above error condition, and modem stop any ranging attempts on the newly assigned channels. Eventually, it fails to register and goes offline. This cycle repeats. This case is only applicable if all upstream channels assigned to the modem channel set are exceeding the peak allowable transmit power level.

If all channels are not exceeding the peak transmit power level, then the modem may register in partial mode. The modem may be able to continue to range successfully on the channel(s) that are still within the range, and transmitting data on those channels in partial-mode.

Workaround: For those modems having severe upstream signal loss, and are required to transmit at far beyond the PHY3.0 maximum per channel transmit power budget, they can be individually selected to register in non-bonded mode (non-MTC-mode), as in normal DOCSIS 2.0/1.x modem, for the upstream path. Use the cable modem (CM) config file with the bonded-bit set to off in CM-required-attribute via TLV 43.8 and 43.9; also make sure that the CMTS mtc-mode configuration is the default setting which would enforce the CM required-attribute bonded-bit checking to allow DOCSIS 3.0 modem to register in mtc-mode.

By disabling mtc-mode for these modems, they now have the same maximum transmit power budget as a DOCSIS 2.0/1.x modem would have.

- 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 was seen while executing the `show interface cable key` command.

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

- CSCte40466

Symptoms: A bus error may occur on Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCC.

Conditions: This issue was observed as the traceback showed the SNMP getNext query was in progress for the MIB object named `docsIf3CmtsCmRegStatusEntry`.

Workarounds: There is no workaround.

- CSCte44214

Symptoms: The OIR upgrade from a Cisco uBR-MC5X20x line card to Cisco UBRMC20X20V line card fails when DOCSIS mode is Annex A and spectrum range of (5-65 Mhz) is configured.

The failure of the OIR upgrade is seen via messages and all the Cable interfaces will be placed in "administratively down" state.

```
Jan 14 09:15:20.950: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/0.
Jan 14 09:15:20.970: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/1.
Jan 14 09:15:20.974: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/2.
Jan 14 09:15:20.974: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/3.
Jan 14 09:15:20.978: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/4.
```

Conditions: This issue occurs when the Annex mode is configured as Annex A on downstream ports of a Cisco uBR-MC5X20x line card and the upstream ports are using spectrum range of 5-65Mhz.

Workaround: The issue is due to increased frequency range supported by Annex A <5-65Mhz> as compared to Annex B <5-55Mhz>. Since the upgrade fails due to increased spectrum range it is advised to

1. Reduce the frequency range to be within range <5-55Mhz> before upgrading the Cisco UBR-MC5X20x line cards.
2. Perform the switchover to the protect card (should be the Cisco UBR-MC20X20 line card).

3. Upgrade the working Cisco uBR-MC5X20x line card to Cisco UBR-MC20X20 line card.
4. Revertback to the working card which was upgraded.
5. Change the frequency range to <5-65Mhz>

If a spectrum group is configured on the line card, do the following as in the example:

Example: cable spectrum-group 1 band 27000000 65000000 configuration

1. Execute the **cable spectrum-group 1 band 27000000 55000000** command.
2. Execute the **no cable spectrum-group 1 band 27000000 65000000**
3. Upgrade the Cisco uBR-MC5X20x line card. After the upgrade, execute the **cable spectrum-group 1 band 27000000 65000000**
4. Execute the **no cable spectrum-group 1 band 27000000 55000000**



Note The changing of the spectrum group frequency range or the fixed frequency is a destructive operation and can cause reassignment of frequencies on the upstream. So modems can fall offline on all cards using that spectrum group. It is thus recommended that OIR upgrades be done in a maintenance window.

- CSCte56499
Symptoms: The first line card does not get upgraded on the Cisco uBR10012 router.
Conditions: This issue occurs when performing Single Step In-Service Software Upgrade (ISSU) on the line card.
Workaround: Manually upgrade the first line card.
- CSCte58329
Symptoms: Layer 2 VPN configuration with BPI configuration failed on the Cisco uBR10012 router.
Conditions: This issue occurs when both Layer 2 VPN and BPI are configured.
Workaround: There is no workaround.
- CSCte62738
Symptoms: The Cisco UBR-MC20X2V line card may crash when it receives an invalid bandwidth request.
Conditions: This issue occurs when an error condition exists where the CMTS can receive a bonded request from an invalid SID, thus causing the line card crash.
Workaround: There is no workaround.
- CSCte77034
Symptom: "%SYS-2-BADSHARE: Bad refcount in pak_enqueue" type of tracebacks are seen in the PRE module running Cisco IOS Release 12.2(33)SCC1.
Conditions: This issue occurs when a particle-based packet is pushed into the toaster by the PRE module.
Workaround: There is no workaround.
- CSCte78595
Symptoms: The line card reloads due to an error when Layer 2 VPN is configured on the cable modem.

Conditions: This issue occurs in cable modems when Layer 2 VPN configured and Baseline Privacy Index (BPI+) not configured.

Workaround: Configure BPI+ on cable modems with Layer 2 VPN configurations.

- CSCte81144

Symptoms: The Cisco uBR10012 router delays the response to SNMP client causing an ongoing SNMP polling timeout.

Conditions: This issue occurs in Cisco uBR10012 routers running PRE2 while polling the **ccwbWBCmStatusTable** or **ccwbWBCmStatusExtTable**. This issue was observed when many narrowband modems were online, but no wideband modem.

Workaround: Increase the SNMP timeout used by Network Management Applications or exclude the tables **ccwbWBCmStatusTable** or **ccwbWBCmStatusExtTable** by configure the SNMP view:

```
snmp-server view excludewideband iso included
snmp-server view excludewideband 1.3.6.1.4.1.9.9.479.1.6 excluded
snmp-server view excludewideband 1.3.6.1.4.1.9.9.479.1.7 excluded
snmp-server community <community> view excludewideband RO <acl number>
```

- CSCte81646

Symptoms: The cable modems loses connectivity periodically on Cisco UBR-MC20X20 line cards. An outage is caused when the default TEK life-time interval is configured at the MAC domain.

Conditions: This issue occurs during normal operations and is caused by a problem decrypting the upstream traffic when the modem uses key sequence 15 to encrypt the traffic.

Workaround: There is no workaround.

- CSCte84378

Symptoms: The cable modem (CM) fails to receive the Ranging-Response (RNG-RSP) message.

Conditions: This issue occurs when the CMTS detects that a CM performs initial ranging on a upstream/downstream pair that are not within the same MAC domain.

Workaround: There is no workaround.

Open Caveats—Cisco IOS Release 12.2(33)SCC1

- CSCsi41966

Symptoms: The Cisco uBR10012 router may generate the following message:

```
UBR10000-6-BADIPASSIGNMENT: DHCPPOFFER dropped : Interface Cablex/y/z
Mac abcd.efgh.ijkl SID 2205 L3_Interface Cablex/y/z IP x.y.z.t
already assigned to MAC=mnop.qrst.uvw Interface Cablex/y/z SID 6367
```

Conditions: This issue occurs when a cable modem (CM) is provisioned using an external DHCP server. The CM takes few hours to initialize.

Workaround: Reset the cable card to fix the issue.

- CSCsy38998

Symptoms: The CPUHOG error message and traceback may be seen on the protect line card of a Cisco uBR10012 router.

Conditions: This issue occurs when the **clear cable modem all reset** command is executed.

Workaround: There is no workaround.

- CSCsy68856
Symptoms: The active DOCSIS queues remain active in the event of a DOCSIS SPA failure.
Conditions: This issue is observed when modems that are online are passing traffic on the modular-cable interfaces, wideband-cable interfaces, or both, and the DOCSIS SPA fail. The DOCSIS queues associated with these online modems remain active attempting to dequeue.
Workaround: Execute the **microcode reload pxf** command.
- CSCsz49382
Symptoms: CMs do not respond to Layer 3 pings.
Conditions: This issue is observed when PRE-EQ (equalization-coefficient) is configured on the Cisco uBR10-MC5X20S and Cisco uBR10-MC5X20U cards.
Workaround: Reset the cable line card.
- CSCsz50204
Symptoms: A multicast quality of service (QoS) session is not automatically created when changing the group configuration or group QoS configuration (GQC).
Conditions: This issue is observed when a multicast QoS group is configured on a bundle interface and a matching static-group is defined. Any change in the group configuration after it is applied to the bundle interface is not implemented, and the original multicast QoS session is removed.
Workaround: Remove the multicast QoS session from the bundle interface and reapply it to the bundle.
- CSCsz55288
Symptoms: Alignment traceback messages are found after the executing the **show memory leak res user** and **show buffer usage** commands.
Conditions: This issue occurs when the **show memory leak res user** and **show buffer usage** commands are executed.
Workaround: There is no workaround.
- CSCsz69357
Symptoms: The service identifier (SID) management task results in a memory leak.
Conditions: This issue is observed when PacketCable calls are present on the line card.
Workaround: There is no workaround.
- CSCsz69359
Symptoms: Memory leak is observed on the line card due to MAC parser with overnight PC calls.
Conditions: This issue is observed when the PacketCable calls are present overnight on the line card.
Workaround: There is no workaround.
- CSCsz77977
Symptoms: Online insertion and removal (OIR) of a PCMCIA flash disk can cause a watchdog reset of the PRE module.
Conditions: This issue is observed during OIR of the PCMCIA flash disk that is being actively accessed.
Workaround: Deactivate the features that access the PCMCIA flash disk. These features include:
 - System Event Archive (SEA)
 - Docsis 3.0 IPDR (IP Detail Record)

- Any file system operation (dir, copy, delete, format, squeeze, more, and so on)
- Any management system automation which accesses the PCMCIA flash disk

It is recommended that you restrict the removal of PCMCIA flash disks to a maintenance window.

- CSCsz98503

Symptoms: There may be sporadic short losses (of a few minutes) of multiple CMs going offline on an (random) upstream. These losses are usually accompanied by a spike in the error per second rate or Modulation error rate (MER) drop and a decrease in **docsIfSigQUnerrored** MIB object.

However, the reverse is not true—a brief degradation of the physical connectivity parameters does not necessarily trigger a brief CM loss.

Conditions: This issue is observed on Cisco uBR10-MC5X20H line cards.

Workaround: There is no workaround.

- CSCta05835

Symptoms: Entries in the **docsBpi2CmtsMulticastObjects** MIB object duplicate after a line card reverts.

Conditions: This issue is observed when a **cable match** command is configured with BPI. The IGMP join is received for the group in the **cable match** command and the **docsBpi2CmtsMulticastObjects** MIB object is populated. This causes the line card to switchover and revert.

Workaround: There is no workaround.

- CSCta27366

Symptoms: The Cisco uBR10000 router PRE CPU goes up to 100% when the FPGA on the Wideband SPAs plugged into a Cisco SIP-600 are being upgraded.

Conditions: This issue only occurs during the SPA FPGA upgrade process.

Workaround: There is no workaround.

- CSCta32429

Symptoms: The CMs that are not capable of downstream bonding are expected to come online on downstreams that are not part of a bonding group. However, non-bonding capable CMs are wrongly registered in bonded channels.

Conditions: This issue occurs when the **cable service attribute non-ds-bonded downstream-type bonding-disabled** command is configured on the Cisco CMTS.

Workaround: There is no workaround.

- CSCta38298

Symptoms: The active PRE fails over to secondary.

Conditions: This issue was first observed in Cisco IOS Release 12.3(23)BC7.

Workaround: There is no workaround.

- CSCta39239

Symptoms: While configuring the **cable upstream docsis-mode** command using SNMP, the standby PRE module does not synchronize with this configuration.

Conditions: This issue occurs when configuring the **cable upstream docsis-mode** command using the SNMP.

Workaround: Configure the **cable upstream docsis-mode** command using the CLI instead of SNMP.

- CSCta45075

Symptoms: The **show interface multicast-session** command may show erroneous multicast session instances.

Conditions: This issue occurs when:

 - A matching GQC of type aggregate is created and IGMP join is sent to two sessions.
 - IGMP leave for Session 1 first is sent initially followed by Session 2 after 7 seconds.
 - Rejoin of Session 2 occurs immediately after Session 1 is deleted.

Workaround: There is no workaround.
- CSCtb04404

Symptoms: The Cisco Wideband SPA does not transmit traffic and the edge quadrature amplitude modulation (EQAM) indicates no input traffic.

Conditions: This issue is seen on the Cisco SIP-600 with a PRE4 module, 5 x1 GigabitEthernet interface, and SPA-24XDS-SFP Wideband SPAs.

Workaround: Perform a PRE module reload.
- CSCtb23413

Symptoms: The **cable dsgr** command configuration does not synchronized to the standby PRE.

Conditions: This issue occurs when the DOCSIS Set-top Gateway (DSG) configuration is done with a bundle subinterface.

Workaround: There is no workaround.
- CSCtb24309

Symptoms: Around 60 to 70 bytes of buffer memory space is allocated when the protect line card becomes active after a system bootup.

Condition: This issue occurs during a line card switchover.

Workaround: There is no known workaround.
- CSCtb74904

Symptoms: After the PRE switchover, the service flow counter displays the value 0. However, the right service flow is used to forward packets and the packets reach the CPEs.

Conditions: This issue is observed during a PRE switchover.

Workaround: There is no workaround.
- CSCtb79237

Symptoms: No syslog or SNMP trap messages are generated when the Common Open Policy Service (COPS) process for PacketCable fails.

Conditions: This issue occurs in a PacketCable environment where the COPS session fails.

Workaround: There is no workaround.
- CSCtb83278

Symptoms: Executing the **term len 0** and **show cable modem** commands pauses the generated output randomly for up to a second on PRE4 module with hundreds of CMs.

Conditions: This issue occurs on the PRE4 module with hundreds of CMs.

Workaround: There is no workaround.

- CSCtb97382

Symptoms: The wideband association is displayed incorrectly after the cable power is switched off on all the line cards.

Conditions: This issue is observed when running the following script:

 1. **cable power [on | off] 5/0**
 2. **cable power [on | off] 8/1**
 3. **cable power [on | off] 5/1**

Workaround: There is no workaround.
- CSCtc33748

Symptoms: The Cisco uBR-MC5X20U-D card crashes multiple times with the following message in the crashinfo file:

```
Address Error (load or instruction fetch) exception, CPU signal 10, PC = 0x6038C709
```

Conditions: This issue has been observed on the Cisco uBR10012 router with the PRE2 module.

Workaround: There is no workaround.
- CSCtc44253

Symptoms: The accumulated timing-offset of the modem goes to a negative value and the following error message is displayed on the CMTS:

```
%UBR10000-4-BADTXOFFSET: Bad timing offset -182443 detected for cable modem  
000a.73cc.c7b7.
```

Conditions: This issue occurs on the Cisco uBR-MC5X20D line card.

Workaround: There is no workaround.
- CSCtc50928

Symptoms: The MIB object **docsIfCmtsChannelUtUtilization** is not supported on modular cable or integrated cable (MC/IC) interfaces.

Conditions: This issue occurs when you set the MIB objects **docsIfCmtsChannelUtilizationInterval** and **ccwbRFChanUtilInterval**, and use the SNMP query for **docsIfCmtsChannelUtilization**. The results are displayed only for Cisco UBR10- MC28U and Cisco UBR-MC5X20 downstream channels.

Workaround: Use the MIB object **ccwbRFChannelUtilization** for MC/IC interfaces instead **docsIfCmtsChannelUtUtilization**.
- CSCtc54875

Symptoms: The Cisco uBR10-MC5x20H line card may crash after reporting memory allocation failures.

Conditions: This issue is observed when multiple memory allocations failures occur.

Workaround: There is no workaround.
- CSCtc55806

Symptoms: The 24th MAC Domain Downstream Service Group (MD-DS-SG) is missing in the output of the **show cable mac-domain downstream-service-group**.

Conditions: This issue occurs when the fiber-node configuration has channels in a MAC domain belonging to 24 different fiber-nodes.

Workaround: There is no workaround.

- CSCtc59089

Symptoms: The cable line card crashes with PacketCable Multimedia (PCMM) voice call testing.

Conditions: This issue was seen in the multi-line Cisco Analog Telephone Adaptor (ATA) behind cable modems (CMs) in a PCMM setup.

Workaround: There is no workaround.
- CSCtc62096

Symptoms: Dynamic multicast service flow and reserved bandwidth information exists even after removal of multicast QoS (MQoS) configuration from the second bonding group.

Conditions: This issue occurs after a multicast QoS bandwidth reservation oversubscription takes place.

Workaround: Perform a PRE switchover.
- CSCtc62311

Symptoms: The MIB object **docsIf3CmtsCmRegStatusTable** does not display all modem entries.

Conditions: This issue occurs when the modem is in an offline state.

Workaround: There is no workaround.
- CSCtc69860

Symptoms: The following traceback is seen when unconfiguring the bundle interfaces:

```
Oct 21 23:40:08.951 PDT: %GENERAL-3-EREVENT: No HWIDB_SB_C10K_TT
-Traceback= 60A32A5C 6182EEE0 619159A0 61916248 6019EEFC 601936C0 60198EE0 60AADBB0
60A91CF4 60A9CCA8 609B8940 601384B4 609E4628 60B2E6B8 60B2E6A4
```

Conditions: This issue occurs when a complicated testing case runs scripts where all bundle interfaces are unconfigured.

Workaround: There is no workaround.
- CSCtc77957

Symptoms: The wideband association is incorrect after line card switchover and hardware reset.

Conditions: This issue occurs when a series of power-off and power-on operations are performed on the working and protect line cards.

Workaround: There is no workaround.
- CSCtc81968

Symptom: The MIB object **CLAB-TOPO-MIB** returns more interface instances compared to the CLI.

Conditions: This issue occurs when the SNMP is used to get the fiber-node information.

Workaround: Use the CLI instead of SNMP to get the fiber-node information.
- CSCtc84180

Symptoms: The Layer 2 VPN fails to forward ARP traffic on the Cisco uBR10012 router.

Conditions: This issue occurs while sending traffic through theLayer2 VPN.

Workaround: There is no workaround.
- CSCtc84897

Symptom: The classifiers for the Cisco DPC2607 CPE types correctly identifies the CPE, but the filters are not effective in filtering the packets from these devices.

Conditions: This issue occurs in normal operations of the cable plant. Some CPEs do not behave properly and send an ARP before sending a DHCP discover message, which populates the CPE in the CMTS database as an “Unknown” device type. Once the CPE sends the DHCP discover message, the device type is updated in the software, but the hardware entries are still categorized as “Unknown”.

Workaround: There is no workaround.

- CSCtc86770

Symptoms: The “Total DS/US pkts/bytes” counters that the **show cable l2-vpn xconnect dot1q-vc-map verbose** command displays are inconsistent on Cisco uBR10012 router.

Conditions: This issue occurs when DOCSIS SF-based 802.1Q mapping L2VPN is configured.

Workaround: There is no workaround.

- CSCtc92058

Symptoms: The ranging response (RNG-RSP) sends inaccurate timing offset values after the upstream (US) redirection.

Conditions: This issue is observed when the CM aligns itself to the timing offset according to the values in the RNG-RSP, but the CMTS does not receive the ranging request. Therefore, the CM does not receive any RNG-RSP.

Workaround: Apply the modem firmware patch.

- CSCtc93642

Symptoms: Spurious memory access and tracebacks are observed after a ping times out.

Conditions: This issue was first observed in Cisco IOS Release 12.2(33)SCB5.

Workaround: There is no workaround.

- CSCtc94975

Symptoms: The number of pre-equalization taps decrease incorrectly after cable line card failover.

Conditions: This issue is observed on a Cisco uBR10000 router running Cisco IOS Release 12.2(33)SCB4.

Workaround: There is no workaround.

- CSCtc96476

Symptoms: A wideband Baseline Privacy Index (BPI) error is seen on the CMTS.

Conditions: This issue occurs on a UBR10-MC20X20 line card switchover when multicast traffic is sent.

Workaround: There is no workaround.

- CSCtc99509

Symptoms: The Cisco Wideband SPA sends only "sync Tx" packets.

Conditions: This issue is observed after the Cisco Wideband SPA reload and when a DTI server is used.

Workaround: Reload the Cisco Wideband SPA.

- CSCtd14220

Symptoms: A traceback report is seen during an auto-upgrade of DTCC card firmware.

Conditions: This issue occurs during the firmware upgrade of the DTCC card.

Workaround: There is no workaround.

- CSCtd20903

Symptoms: The **cable clock dti** command does not work.

Conditions: This issue occurs when the system starts with two DTCC cards, and one card is unplugged during run time.

Workaround: There is no workaround.
- CSCtd21274

Symptom: The following items of the MIB object **docsIfCmtsCmStatusTable** are not supported on the DOCSIS 3.0 online cable modem. This is because these objects rely on single upstream channel while the online DOCSIS 3.0 cable modem has many upstream channels.

 - docsIfCmtsCmStatusUpChannelIfIndex
 - docsIfCmtsCmStatusRxPower
 - docsIfCmtsCmStatusSignalNoise
 - docsIfCmtsCmStatusModulationType
 - docsIfCmtsCmStatusTimingOffset
 - docsIfCmtsCmStatusEqualizationData

docsIf3CmtsCmUsStatusTable has following objects:

 - docsIf3CmtsCmUsStatusChIfIndex
 - docsIf3CmtsCmUsStatusRxPower
 - docsIf3CmtsCmUsStatusSignalNoise
 - docsIf3CmtsCmUsStatusModulationType
 - docsIf3CmtsCmUsStatusHighResolutionTimingOffset
 - docsIf3CmtsCmUsStatusEqData

Conditions: This issue occurs when there is an online DOCSIS 3.0 modem.

Workaround: There is no workaround.
- CSCtd24347

Symptoms: The generic routing encapsulation (GRE) tunnel interface does not forward traffic.

Conditions: This issue occurs when a new GRE tunnel is created on a Cisco uBR1012 router.

Workaround: Execute the **shutdown** command followed by the **no shutdown** command on the tunnel interface.
- CSCtd25393

Symptoms: The IGMPv3 CPE behind the DOCSIS 3.0 main distribution frame (MDF) capable modem, using the local integrated cable downstream interface as primary fails, to receive any multicast traffic after the Cisco UBR10-MC20X20 line card switchover.

Conditions: The issue occurs after a Cisco UBR10-MC20X20 line card switchover. This issue occurs due to a DSID change.

Workaround: There is no workaround.
- CSCtd26295

Symptoms: The debug output to the terminal is curtailed when the “logging discriminator” is enabled.

Conditions: This issue was observed in Cisco IOS Release 12.2(33)SCB5.

- Workaround: There is no workaround.
- CSCtd28028
Symptoms: Flow control does not work on the 1-port Gigabit Ethernet half-height (ESR-HH-1GE) interface of a Cisco uBR10012 router.
Conditions: This issue occurs on ESR-HH-1GE interface of a Cisco uBR10012 router.
Workaround: There is no workaround.
 - CSCtd31427
Symptoms: The MIB object **docsDevEvReporting** does not display the local volatile bit.
Conditions: This issue occurs as the MIB object ignores bits from 3 to 7. When the third bit is set, the local volatile bit is not set.
Workaround: There is no workaround.
 - CSCtd31499
Symptoms: The Wideband DOCSIS 3.0 modem does not receive the MAC domain descriptor (MDD) from the Cisco uBR10012 router and falls back to narrowband.
Conditions: This issue occurs on a Cisco uBR10-MC5x20H line card.
Workaround: Remove the downstream modular-cable configuration from the cable interface and reinstall the line card. Another workaround is to reload the line card.
 - CSCtd32223
Symptoms: The **show tech** command does not include contents of **show controller integrated-cable** for the Cisco UBR10-MC20X20 cable line card.
Conditions: This issue occurs on the Cisco UBR10-MC20X20 cable line card.
Workaround: Execute the **show controller integrated-cable** command after the executing the **show tech** command.
 - CSCtd33164
Symptoms: The parser return code configuration “PRC_CONFIG_CHANGE” change-type is displayed while configuring related commands.
Conditions: This issue occurs when **terminal prc expose** command is enabled on the Cisco uBR10012 router.
Workaround: There is no workaround.
 - CSCtd36723
Symptom: The **show inventory** command displays the Cisco UBR10-MC5X20T line card when a Cisco uBR10-MC5x20H line card is preprovisioned in the configuration
Conditions: This issue occurs when the **show inventory** command is executed during the preconfiguration of the hardware.
Workaround: Execute the **show diag** command to determine the installed hardware.
 - CSCtd43242
Symptoms: A crash may occur on the Cisco uBR10-MC5X20H line card.
Conditions: This issue occurs as the PRE module crashes due to a inter-process communication (IPC) time out.
Workaround: There is no workaround.

- CSCtd45627

Symptoms: The upstream service flow is rejected although the reserved and requested bandwidth is lesser than the maximum reserved bandwidth.

Conditions: This issue is triggered when the admission control (AC) max-reserved-bandwidth and AC threshold are configured but not the if the AC event.

Workaround: Do not configure the AC threshold if the AC event is not configured.
- CSCtd50531

Symptoms: The standby PRE2 module may keep getting automatically reset.

Conditions: This issue occurs due to buffer leaks in the PRE2 module.

Workaround: Power cycle the Cisco uBR10012 chassis.
- CSCtd52962

Symptoms: The high availability BPI tek encryption key sync occurs repeatedly.

Conditions: This issue occurs when BPI is enabled.

Workaround: There is no workaround.
- CSCtd55153

Symptoms: Upgrading a Cisco uBR10012 router from Cisco IOS Release 12.2(33)SCB4 to Cisco IOS Release SCB5 may result in the following series of messages, causing the Cisco SIP-600 to be unresponsive:

```
Dec 1 09:23:13.443 CST: %IPCOIR-3-CARD_WRONGTYPE: Mismatched card type (4jacket-1) in slot 1/0. Expected type 4jacket-1. Use 'no card 1/0' command to override preprovisioning and update card type.
Dec 1 09:23:13.443 CST: %IPCOIR-3-CARD_WRONGTYPE_4JACKET: Discovered card type requires 2 slots. Use 'no card' for slots 1 & 2 to override preprovisioning and update card type.
```

Condition: This issue occurs when the **no card 1/0 4jacket-1** option is not present and OIR does not work.

Workaround: Reload the Cisco uBR10012 router.
- CSCtd59573

Symptom: The Wideband cable modem enters online state but does not enter w-online state, even after executing the **clear cable modem** command.

Conditions: This issue occurs after a Cisco UBR10-MC20X20 line card switchover.

Workaround: There is no workaround.
- CSCtd60792

Symptoms: The standby PRE2 module may keep getting automatically reset.

Conditions: This issue occurs due to memory buffer leaks on the PRE2 module.

Workaround: Power cycle the Cisco uBR10012 chassis.
- CSCtd62025

Symptoms: The following error messages and tracebacks were displayed followed by a redundancy force-failover:

```
Oct 28 18:00:03.851: %SYS-5-SWITCHOVER: Switchover requested by <removed> on vty0 (10.148.165.21). Reason: redundancy force-failover.

Oct 28 18:00:47.360: %SYS-3-CPUHOG: Task is running for (2000)msecs, more
```



```

than (2000)msecs (238/95),process = CMTS SID mgmt task.
-Traceback= 605176D4 60530A40 6053E838 6211D9E4 6171FE44 6163A2C4 6163AB30
6163B578 6163B800 616407CC 61640880 6164093C 6171F5F0 60232A50 6034ED0C
609F1870

```

Conditions: This issue occurs on a Cisco uBR10012 router with a PRE2 module.

Workaround: There is no workaround.

- CSCtd64027

Symptoms: The linkdown SNMP traps are sent twice instead of once causing some of the network management systems (NMS) tools to erroneously think assume the link is still down.

Conditions: This issue occurs when a Wideband SPA or GigabitEthernet interface on the Cisco uBR10012 router goes down or an attached cable is disconnected.

Workaround: There is no workaround.

- CSCtd65823

Symptoms: The uBR10-MC5X20H line card is not recognized after a cable modem is powered off and on.

Conditions: This issue occurs on a PRE4 module on a Cisco uBR10-MC5X20H line card.

Workaround: There is no workaround.

- CSCtd65834

Symptoms: A message indicating duplicate frequencies are configured on the integrated-cable controllers.

Conditions: This is required during migration of the Cisco uBR10-MC5x20H line card to the Cisco UBR10-MC20X20V line card.

Workaround: Implement the downstream rf-channel assignment mapping prior to migration.

- CSCtd67202

Symptoms: The standby port on a DEPI control plane does not become active.

Condition: This issue occurs on a Cisco uBR10012 router with DEPI control plane configured.

Workaround: There is no workaround.

- CSCtd67838

Symptoms: The Cisco CMTS may incorrectly attempt to load balance to a disabled interface.

Conditions: This issue occurs in Cisco IOS Release 12.2(33)SCB5.

Workaround: There is no workaround.

- CSCtd73908

Symptoms: Excessive unicast and multicast packet loss is seen on a Wideband SPA switchover.

Conditions: This issue occurs on a Wideband SPA GigabitEthernet interface when the switchover takes 70 seconds to converge.

Workaround: There is no workaround.

- CSCtd98495

Symptoms: The cable modems go offline on a port on the cable line card.

Conditions: This issue is seen on the downstream PHY on the cable line cards.

Workaround: Reload the line cards.

- CSCte10747

Symptoms: The modem may register in partial mode. This is seen when the **show cable modem [mac] verbose | inc partial** command was executed. The DOCSIS 3.0 modem keeps cycling from offline to "UB init(t)" state, but is unable to register online.

Conditions: These issue occurs in the following conditions:

The PHYv3.0 section 6.2.19 Transmit Power Requirement contains the transmit power budget on per channel basis, derived from the modem transmit channel set, and each individual upstream channel parameters. The existing DOCSIS plant may be designed for single channel DOCSIS 1.x/2.0 modems, which has a much higher maximum transmit power level, comparing to DOCSIS 3.0 modem operating in MTC-mode and having 2 or more channels.

In such a case, the modem may range successfully prior to REGISTRATION, since the modem is still operating with a single channel, like legacy 2.0/1.x modem. As soon as it is transitions to MTC-mode during REG-RESP, its allowable maximum transmit power level is below the ranged reference channel power level, thus causing the above error condition, and modem stop any ranging attempts on the newly assigned channels. Eventually, it fails to register and goes offline. This cycle repeats. This case is only applicable if all upstream channels assigned to the modem channel set are exceeding the peak allowable transmit power level.

If all channel are not exceeding the peak transmit power level, then modem may register in partial mode. The modem may be able to continue to range successfully on the channel(s) that are still within the range, and transmitting data on those channel in partial-mode.

Workaround: For those modems having severe upstream signal lost, and are required to transmit at far beyond the PHY3.0 maximum per channel transmit power budget, they can be individually selected to register in non-bonded mode (non-MTC-mode), as in normal DOCSIS 2.0/1.x modem, for the upstream path. Use the cable modem (CM) config file with the bonded-bit set to off in CM-required-attribute via TLV 43.8 and 43.9; also make sure that the CMTS mtc-mode configuration is the default setting which would enforce the CM required-attribute bonded-bit checking to allow DOCSIS 3.0 modem to register in mtc-mode.

By disabling mtc-mode for these modems, they now have the same maximum transmit power budget as a DOCSIS 2.0/1.x modem would have.

- CSCte44214

Symptoms: The OIR upgrade from a Cisco uBR-MC5X20x line card to Cisco UBRMC20X20V line card fails when DOCSIS mode is Annex A and spectrum range of (5-65 Mhz) is configured.

The failure of the OIR upgrade is seen via messages and all the Cable interfaces will be placed in "administratively down" state.

```
Jan 14 09:15:20.950: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/0.
Jan 14 09:15:20.970: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/1.
Jan 14 09:15:20.974: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/2.
Jan 14 09:15:20.974: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/3.
Jan 14 09:15:20.978: %UBR10K-6-COMPAT_SHUTDOWN_CARD: Failed to restore the
configuration for Cable8/0/4.
```

Conditions: This issue occurs when the Annex mode is configured as Annex A on downstream ports of a Cisco uBR-MC5X20x line card and the upstream ports are using spectrum range of 5-65Mhz.

Workaround: The issue is due to increased frequency range supported by Annex A <5-65Mhz> as compared to Annex B <5-55Mhz>. Since the upgrade fails due to increased spectrum range it is advised to

1. Reduce the frequency range to be within range <5-55Mhz> before upgrading the Cisco UBR-MC5X20x line cards.
2. Perform the switchover to the protect card (should be the Cisco UBR-MC20X20 line card).
3. Upgrade the working Cisco uBR-MC5X20x line card to Cisco UBR-MC20X20 line card.
4. Revertback to the working card which was upgraded.
5. Change the frequency range to <5-65Mhz>

If a spectrum group is configured on the line card, do the following as in the example:

Example: cable spectrum-group 1 band 27000000 65000000 configuration

1. Execute the **cable spectrum-group 1 band 27000000 55000000** command.
2. Execute the **no cable spectrum-group 1 band 27000000 65000000**
3. Upgrade the Cisco uBR-MC5X20x line card. After the upgrade, execute the **cable spectrum-group 1 band 27000000 65000000**
4. Execute the **no cable spectrum-group 1 band 27000000 55000000**



Note

The changing of the spectrum group frequency range or the fixed frequency is a destructive operation and can cause reassignment of frequencies on the upstream. So modems can fall offline on all cards using that spectrum group. It is thus recommended that OIR upgrades be done in a maintenance window.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC1

- CSCin79116

Symptoms: Executing the **show** commands pushes the CPU utilization to 100%.

Conditions: Long running show commands, such as **show running-config**, **show voice call summary**, and **show memory summary** affect voice call processing adversely, even if they periodically suspend.

Workaround: There is no workaround.

- CSCsz17080

Symptoms: A file copy to the standby PRE module fails. The following error may be seen

```
%Error writing stby-disk0: (TF I/O failed in data-in phase).
```

The MD5 checksum failed when reading a file off the disk.

Conditions: This issue occurred on the STI 7.4.0 Compact Flash and PCMCIA Flash cards.

Workaround: Try copying the file to the disk and the see that MD5 checksum matches the file.



Note

The cards that are not being written do not spontaneously become damaged. If the file is on the flash, it does is not defective. An RMA of a card is necessary only for cards with actual errors. Replacement of flash cards in not necessary.

- CSCsy24676

Symptoms: The file system device returns a pseudo-positive value when the file system fails. This results in the file operation being displayed as successful even though it failed.

Conditions: This issue occurs when the file system device displays an error, but the code follows the path in the file system buffer cache, where the error is masked. The device error could occur if the code was written on damaged media or during online insertion and removal (OIR) of a line card.

Workaround: There is no workaround.
- CSCsz22219

Symptoms: The Cisco uBR10000 series PRE2 module running Cisco IOS Release 12.3(23)BC6 crashes.

Conditions: This issue is observed when the PRE2 module is running the Cisco IOS Release 12.3(23)BC6 software, enabling ESR-HH-1GE. The **cable source-verify dhcp** command is executed but no cable line card is configured or inserted.

This issue occurs in Cisco IOS Releases 12.3(23)BC, Cisco IOS Release 12.3(21a)BC, and Cisco IOS Release 12.2(33)SCB.

Workaround: Configure or insert the cable line card in the Cisco CMTS.
- 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>
- CSCsz72591

Symptoms: The Cisco uBR10012 router crashes with an address error (load or instruction fetch) exception.

Conditions: This issue occurs when router is configured to act as a DHCP client.

Workaround: There is no workaround.
- CSCta42483

Symptoms: Tracebacks appears while unconfiguring cable service attribute **non-ds-bonded downstream-type bonding-disabled** and the cable fiber node.

Conditions: This issue occurs when the cable service attribute **non-ds-bonded downstream-type bonding** is disabled.

Workaround: There is no workaround.

- CSCtb13491

A malformed Internet Key Exchange (IKE) packet may cause a device running Cisco IOS Software to reload. Only Cisco 7200 Series and Cisco 7301 routers running Cisco IOS software with a VPN Acceleration Module 2+ (VAM2+) installed are affected. Cisco has released free software updates that address this vulnerability.

This advisory is posted at <http://www.cisco.com/warp/public/707/cisco-sa-20100324-ipsec.shtml>.
- CSCtb23413

Symptoms: The **cable dsg tg** command configuration is not synchronized to the standby PRE.

Conditions: This issue occurs when the DOCSIS Set-top Gateway (DSG) configuration is done with bundle subinterface.

Workaround: There is no workaround.
- CSCtb61654

Symptoms: All Wideband CMs on Wideband SPA unexpectedly go offline.

During this period, the SPA sends out only the SYNC packets, and not packets from MC520 (MDD, secondary MDD, UCD, MAP, and so on).

Conditions: This issue is observed in 3-Channel bonding with DTI.

Workaround: Online insertion and removal of the SPA might resolve this issue.
- CSCtb95504

Symptoms: Wideband modems do enter the w-online state and are often flapping in reject(c) state. IPC troubleshooting reveals IPC issues such as **ubr-test-request-api x/y block** commands fails.

Condition: This issue occurs on a Cisco uBR10012 router with DOCSIS 3.0 wideband configured on Wideband-capable modems.

Workaround: Change the modular-host subslot in the modular-controller configuration. It is recommended that you use the Cisco uBR10-MC5X20H-D line cards as these cards provide better CPU capacity. You can also execute the **hw-module subslot x/y reset** command.
- CSCtb98663

Symptoms: The following system event message is not displayed in the receiving syslog server:

```
wbcmts_idxtbl_assign(): failed. Tbl full
```

Conditions: This issue occurs in rare, severe error conditions, which cause the Statistics index table to become full. When this condition persists, other symptoms like modems failing to come online or falling offline after coming online are observed.

Workaround: There is no workaround.
- CSCtc01430

Symptoms: When transmitting distributed QoS (DQoS) Lite voice calls, the downstream service flows are listed on the committed information rate (CIR) queue instead of the low latency queuing (LLQ).

Conditions: This issue occurs when the PacketCable is not configured on the Cisco CMTS and DQoS Lite or vanilla DOCSIS voice calls are performed.

Workaround: Configure the following commands:

 - **packetcable**—Allows the downstream voice flows to go on LLQ instead of CIR and provides better voice quality.
 - **packetcable authorize vanilla-docsis-mta**—Allows non-PacketCable flows to be admitted.

The above commands do not impact the current configuration.

- CSCtc34682

Symptoms: The **show memory debug leak** command shows a large number of buffer leaks for the security association (SA) map request count.

Conditions: This issue occurs when a large number of SA map requests are received from multiple modems connected on the line card.

Workaround: There is no workaround.
- CSCtc43231

Symptoms: SNMP traps and informs on the source interface do not work.

Conditions: This issue occurs when the **snmp-server trap-source Loopback0** and **snmp-server source-interface informs Loopback0** commands are configured.

Workaround: There is no workaround.
- CSCtc54006

Symptoms: Tracebacks occur when the bundle secondary IP address is removed.

Conditions: This issue occurs when you configure and remove the bundle secondary IP address.

Workaround: There is no workaround.
- CSCtc55182

Symptoms: Although the 128 bits-aes encryption algorithm is configured, the 56 bit-des encryption algorithm is used for encrypting multicast traffic. The CPE does not receive packets.

Conditions: This issue occurs when the group-encryption algorithm is configured with the 128bits-aes algorithm.

Workaround: Use the 56bits-des encryption algorithm.
- CSCtc55329

Symptom: The redzone of the memory block is corrupted. The following output in the line card console displays the corruption:

```
validblock_diagnose, code = 1
current memory block, bp = 0x1FB53398,
memory pool type is Processor
data check, ptr = 0x1FB533C8
```

Conditions: This issue is observed when the line card is configured for a specific size.

Workaround: Change the configuration of the MAC domain.
- CSCtc55893

Symptom: The **init-tech-ovr** command in load balancing group does not work for the second logical channel.

Conditions: This issue is observed when the second logical channel is selected as the source channel.

Workaround: There is no workaround.
- CSCtc57676

Symptoms: The modem may not use the delayed SID when multiple SIDs are configured.

Conditions: This issue occurs when large peak rate and max-sustain rate are configured, multiple sid clusters are configured and rate shaping is triggered.

Workaround: There is no workaround.

- CSCtc61912

Symptoms: A traceback occurs when confirmation-to-receive (CFR) is configured without being associated with the tunnel.

Conditions: This issue was first observed in Cisco IOS Release 12.2(33)SCB.

Workaround: Configure the CFR and associate it with the tunnel using the **cable dfc cfr** command.
- CSCtc62950

Symptoms: Cable modems using remote downstream drop while executing the **issu run version** command and they never recover.

Conditions: This issue occurs when the system is executing In Service Software Upgrade (ISSU), and is upgrading to an image that requires minor Minimum Disruptive Restart (MDR) process, and if the system is configured to use DEPI control plane via the Wideband DOCSIS SPA.

Workaround: Reset the DEPI connection.
- CSCtc62969

Symptoms: An error message similar to the following may be seen on the CMTS:

```
Oct 19 10:57:06.234 PDT: %ALIGN-3-TRACE: -Traceback= 60430234 60663EF0 60664378
00000000 00000000 00000000 00000000 00000000
```

The traceback decode has `wbcmts_guardian_check_periodic(0x60430178)+0xbc` at the top of stack.

Conditions: This issue occurs through periodically through a timer. This error may be seen during OIR of a card, card failure, and so on.

Workaround: There is no workaround.
- CSCtc65815

Symptoms: The **show cable modem docsis** command incorrectly counts UB modem.

Conditions: This issue occurs when the upstream channel has the modem operating in MTC-mode.

Workaround: There is no workaround.
- CSCtc65910

Symptoms: Memory leak in buffers from the header buffer pool may be observed.

Conditions: This issue occurs when lot of traffic is being forwarded Cisco Express Forwarding (CEF) on the PRE. It is not specific to any particular type of interface or PRE.

Workaround: Reload or do a forced switchover to clear the memory buffer leak.
- CSCtc68037

Symptoms: A Cisco IOS device may experience an unexpected reload.

Conditions: This issue occurs due to “mtrace” packet processing.

Workaround: Avoid using the mtrace functionality.
- CSCtc69116

Symptom: The MIB object **snmpwalkoverccsCmFlapTable** does not return all the entries.

Conditions: This issue occurs during subsequent reboots where the CMTS does not contain `ifindexes`, which follow wideband interfaces: narrowband `ifindexes`.

This issue also occurs if the wideband cables are on the cable flap list.

Workaround: There is no workaround.

- CSCtc69339

Symptoms: The operation fails and no DCC is issued when you use **docsLoadbal3ChgOverGroupMacAddress**, **docsLoadbal3ChgOverGroupUsChSet** and **docsLoadbal3ChgOverGroupCommit** MIB objects to change the upstream of a CM through SNMP.

Conditions: This issue is observed only when the downstream on the CM is a modular cable or integrated cable interface and its host cable interface has no frequency configured.

Workaround: Set the **docsLoadbal3ChgOverGroupdownFrequency** MIB object to the appropriate target frequency, even if it is identical to the source. Or, if the use of UCC is acceptable, set the **docsLoadbal3ChgOverGroupForceUCC** Mib object to TRUE.
- CSCtc70938

Symptoms: CPUHOG and traceback may be observed.

Conditions: This issue occurs when large number of cable modems (CM)s are present on a particular cable interface, and on executing the **shutdown** and **no shutdown** commands on the upstream channel.

Workaround: There is no workaround.
- CSCtc75655

Symptoms: The multicast traffic does not pass through the modem in wideband interfaces during some line card switchovers.

Conditions: This issue is observed in the following two conditions:

 - When the Wideband interface is in a Cisco UBR10-MC20X20 line card.
 - When a default multicast QoS group configuration with encryption, but no Group QoS is configured after line card switchover, traffic does not flow.

This issue affects all line cards.

Workaround: There is no workaround.
- CSCtc78090

Symptoms: The Downstream Frequency Override (DFO) retry counter does not rise beyond the number zero.

Conditions: This issue occurs when you execute the **cable service attribute ds-bonded downstream-type bonding-enabled [enforce]** command and then power on and off the wideband cable modem.

Workaround: There is no workaround.
- CSCtc83223

Symptoms: Some memory leaks are observed on both active standby and protect cards.

Conditions: This issue is seen on a line card switchover from standby to protect with some multicast clients receiving a multicast session.

Workaround: There is no workaround.
- CSCtc84407

Symptoms: Fiber node is invalid after line card switchover for a Cisco UBR10-MC20X20 line card to a protect Cisco uBR10-MC5X20 line card.

Conditions: This issue occurs in a Cisco UBR10-MC20X20 line card protect Cisco uBR10-MC5X20 line card switchover, when one Cisco uBR10-MC5X20 line card MAC domain (MD) is in a shutdown state.

- Workaround: Ensure that all the Cisco uBR10-MC5X20 line card MDs configured, are not in a shutdown state.
- CSCtc85728

Symptoms: The Cisco Broadband Troubleshooter (CBT) 3.3 continuous sweep function fails after some time when performed on Cisco uBR10000 series routers with PRE4 line cards.

Conditions: This issue was first observed in Cisco IOS Release 12.2(33)SCB4. This issue occurs as a result of the CISCO-CABLE-SPECTRUM MIB object returning a value of “10”:

Workaround: There is no workaround.
 - CSCtc87213

Symptoms: The **cable filter group** command fails to be displayed in the **show running-config** command output.

Conditions: This issue occurs when the **cable filter group** command was generated.

Output: Reissue the **cable filter group** command.
 - CSCtc95704

Symptoms: Memory leaks are observed on both the working and protect Cisco UBR10-MC20X20 line cards, with the multicast session with clients configured.

Conditions: This issue occurs on a Cisco UBR10-MC20X20 line card switchover or when a **shutdown** and **no shutdown** command is issued on the Wideband interface.

Workaround: There is no workaround.
 - CSCtc96090

Symptoms: Polling of the SNMP **IfHCInOctets** and **IfHCOutOctets** values wraps at the 32-bit point for cable interfaces instead of the 64-bit values.

Conditions: This issue was first observed on Cisco uBR10012 routers running Cisco IOS Release 12.2(33)SCB4.

Workaround: There is no workaround.
 - CSCtd00276

Symptoms: The Cisco uBR10012 router may experience packet drops on Parallel Express Forwarding (PXF) when using QoS and the number of connected customers reach approximately eight thousand subscribers.

Conditions: This issue was first observed on Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCB with QoS enabled.

Workaround: There is no workaround.
 - CSCtd04456

Symptoms: The **ENTITY-MIB** MIB object returns an incorrect OID value for the DTCC card. This means that SNMP applications using the **ENTITY-MIB** object incorrectly classifies the DTCC as a TCC+ card.

Conditions: This issue occurs on the SNMP read operation of the **ENTITY-MIB** object.

Workaround: There is no workaround.
 - CSCtd23278

Symptoms: The Cisco 1-Port 10-Gigabit Ethernet SPA or Cisco 5-Port Gigabit Ethernet SPA ports are unable to transmit at the expected data rate. Tail dropping and flow bit counters are observed on the SPAs.

Conditions: This issue occurs on PRE4 modules. PRE2 modules are unaffected. This issue may affect a Cisco 1-Port 10-Gigabit Ethernet SPA which is installed in bays 1, 2, or 3. This issue may affect Cisco 5-Port Gigabit Ethernet SPA installed in ports 0, 1, or 4.

Workaround: Confirm that the Ethernet SPA (1x10 GigE or 5x1 GigE) is installed in bay 0 of the Cisco SIP-600 jacket card as suggested by the [Cisco uBR10012 Universal Broadband Router SIP and SPA Hardware Installation Guide](#). Moving the SPA will resolve the issue for the Cisco 1-Port 10-Gigabit Ethernet SPA.

For Cisco 5-Port Gigabit Ethernet SPA ports 1 or 4 after moving the SPA to bay 0, please find the affected port in the list below and implement the specified workaround.

- Port 1/0/1: If Wideband interfaces 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, or 30 on Wideband SPA 1/1/0 are not configured, configure the unused interfaces similar to the example below using a configured rf-channel of your choice:

```
interface Wideband-Cable1/1/0:30
 shutdown
 cable rf-channel 23 bandwidth-percent 1
```

- Port 3/0/1: If Wideband interfaces 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, or 30 on Wideband SPA 3/1/0 are not configured, configure the unused interfaces similar to the example below using a configured rf-channel of your choice:

```
interface Wideband-Cable3/1/0:30
 shutdown
 cable rf-channel 23 bandwidth-percent 1
```

- Port 1/0/4: If Wideband interfaces 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, or 31 on Wideband SPA 3/0/0 are not configured, configure the unused interfaces similar to the example below using a configured rf-channel of your choice:

```
interface Wideband-Cable3/0/0:31
 shutdown
 cable rf-channel 23 bandwidth-percent 1
```

- Port 3/0/4: Enable **no shutdown** command on the following Cable Interfaces if not already enabled: C6/0/0, C6/0/2 and C6/0/4

- CSCtd24290

Symptoms: Route processor or network processing engine memory leak is observed when querying the MIB object **docsIetfQosCmtsMacToSrvFlowTable**.

Conditions: This issue occurs when the MIB object **docsIetfQosCmtsMacToSrvFlowTable** is queried and there are items returned.

Workaround: Do not query this table, use **docsQosCmtsMacToSrvFlowTable** and **docsQos3CmtsMacToSrvFlowTable** objects.

- CSCtd28262

Symptoms: Modem is showing init(t) when it should show init(o).

Conditions: This issue occurs when the modem is in the process of coming online.

Workaround: There is no workaround.

- CSCtd28628

Symptoms: Adding a new host in the ACL in the route-map is not effective.

Conditions: The issue was first observed on the Cisco uBR10012 router running Cisco IOS Release 12.2(33)SCB.

Workaround: Modify the route-map configuration (for example, add or remove an unrelated set IP next-hop) whenever a modification is done to the IP access list used by that route-map.

- CSCtd34588

Symptoms: The mtc-mode modem may be stuck in continuous ranging state on a channel.

Conditions: This issue occurs after changing the **cable upstream docsis-mode** from TDMA with default QPSK modulation to a ATDMA; the power per channel delta could be as high as 6dBmV. CMTS is unable to make the adjustment correctly, and results in continuous ranging, and power adjustment.

Workaround: Recover the mtc-mode modem using **clear cable modem reset** command. You can also change to DOCSIS mode during the maintenance window, if the upstream has mtc-mode (upstream channel bonding) modems.
- CSCtd43440

Symptoms: Traffic could be blocked while configuring the cable modem mode ATOM Layer 2 VPN and policy-map.

Conditions: This issue occurs while applying the configuration of the cable modem mode Layer 2 WAN interface.

Workaround: There is no workaround.
- CSCtd49070

Symptoms: The protect interface remains in the load balancing group table after revertback.

Conditions: This issue occurs after a line card switchover and revertback.

Workaround: There is no workaround.
- CSCtd54118

Symptoms: Performing ISSU with an invalid license on Cisco UBR-MC20X20V cable interface line card will result in RPR mode of the PRE and service disruption.

Conditions: The issue occurs when performing ISSU upgrade from the Cisco IOS Release 12.2(33)SCC to Cisco IOS rebuild releases such as Cisco IOS 12.2(33)SCCx and when any one of the Cisco UBR-MC20X20V line cards in the chassis is in the “Maintenance” mode (without a valid license or unrecognized license).

Workaround: Install the Cisco UBR-MC20X20V line card with a valid license or remove the Cisco UBR-MC20X20V line card in maintenance mode before performing ISSU.
- CSCtd55019

Symptoms: The following error message and traceback are seen on the standby PRE:

```
*Nov 28 14:15:54.147 PST: %SYS-2-NOTQ: unqueue didn't find 0 in queue 656D5C80
-Process= "CHKPT rcv MSG process", ipl= 0, pid= 102
-Traceback= 60A32018 60B37948 605050FC 6066ECD8 60680BB4 60681B84 605D07E8 605CB9A4
605CDCC4 605EDAC0 61B438C0 61B42684 61B41D8C 61B3ED74 61B39628
```

Conditions: This issue may occur during a line card OIR.

Workaround: There is no workaround.
- CSCtd56991

Symptoms: The upconverter firmware version is updated to version 0x31.

Condition: This upconverter works with the UBR10-MC20X20 line card.

Workaround: There is no workaround.

- CSCtd58886

Symptoms: The Cisco CMTS crashed when the SNMP client was querying the **ifRcvAddressEntry table** MIB object.

Conditions: This issue occurs on a Cisco uBR10012 router with a 5-Port Gigabit Ethernet SPA and “**getnext -v2c x.x.x.x(cmts address) [community] ifRcvAddressStatus(or ifRcvAddressType).11(ifIndex of GE in SPA).6.2.0.0.0.160(an non-zero address)**” SNMP command was issued.

Workaround: Do not query this entry of the table.
- CSCtd78808

Symptoms: The telnet sessions that were used to conduct and modify the license become unresponsive for more than fifteen minutes.

Conditions: This issue occurs on the UBR10-MC20X20 line card.

Workaround: Open a new telnet session and conduct the procedure over the console.
- CSCtd92712

Symptoms: The UBR10-MC20X20 line card is not operational with the new hardware revision of Upconverter.

Conditions: This issue occurs when the line card with an upconverter uses an older image is used. The automatic IOS image downgrade could make the line card inoperative.

Workaround: There is no workaround.

Open Caveats—Cisco IOS Release 12.2(33)SCC

- CSCsi41966

Symptoms: The Cisco uBR10012 router generates the following message when the cable modem (CM) fails to come online for a long duration.

```
UBR10000-6-BADIPASSIGNMENT: DHCPPOFFER dropped : Interface Cablex/y/z
Mac abcd.efgh.ijkl SID 2205 L3_Interface Cablex/y/z IP x.y.z.t
already assigned to MAC=mnop.qrst.uvwx Interface Cablex/y/z SID 6367
```

Conditions: This issue occurs when a cable modem (CM) is provisioned using an external DHCP server. The CM takes some hours to initialize.

Workaround: Reset the cable card to fix this issue.
- CSCsy68856

Symptoms: The active DOCSIS queues remain active in the event of a DOCSIS SPA failure.

Conditions: This issue occurs when online cable modems passing traffic on the modular-cable and on wideband-cable interfaces and the DOCSIS SPA fail. The DOCSIS queues associated with these online modems remain active, attempting to dequeue.

Workaround: Execute the **microcode reload {pxf}** command.
- CSCsz25605

Symptoms: The Gigabit Ethernet interface on an ESR-1GE fails to send packets.

Conditions: This issue occurs just after performing online insertion and removal (OIR) of an ESR-1GE with low rate.

Workaround: Execute the **hw-module slot reset** command.

- CSCsz37891

Symptoms: The Cisco uBR10012 router crashed because it ran out of unfragmented memory and the following message was displayed:

```
%SYS-2-MALLOCFAIL: Memory allocation of
65536 bytes failed from 0x60A33948, alignment 16
Pool: Processor Free: 44813096 Cause: Memory fragmentation
Alternate Pool: None Free: 0 Cause: No Alternate pool
-Process= "IP ARP Adjacency", ipl= 2, pid= 176
%COMMON_FIB-3-NOMEM: Memory allocation
failure for fib entry insertion in IPv4 CEF [0x606164D0] (fatal) (1
subsequent failure)
```

Conditions: This issue was first seen in Cisco IOS Release 12.2(33)SCB on a PRE2 module.

Workaround: There is no workaround.

- CSCsz49382

Symptoms: Cable modems do not respond to Layer 3 pings.

Conditions: This issue is on the Cisco uBR10-MC5X20U-D card.

Workaround: Restart the cable line card.

- CSCsz50204

Symptoms: A multicast QoS session is not automatically created when changing group configuration.

Conditions: This issue occurs when a multicast QoS group is configured on a bundle interface and a matching static-group is defined. However, any change in the group configuration after it is applied to the bundle interface is not implemented, and the original multicast QoS session is removed.

Workaround: Remove the multicast QoS session from the bundle interface and reapply the QoS session to the bundle.

- CSCsz55288

Symptoms: Alignment traceback messages are found after the execution of **show memory leak res user** and **show buffer usage** commands.

Conditions: This issue occurs when **show memory leak res user** and **show buffer usage** commands are executed.

Workaround: There is no workaround.

- CSCsz69357

Symptoms: Memory leak is observed due to SID management task.

Conditions: This issue occurs when the PacketCable calls are present.

Workaround: There is no workaround.

- CSCsz69359

Symptoms: Memory leak is observed on the line card due to overnight PC calls on the MAC parser.

Conditions: This issue occurs while running PacketCable calls.

Workaround: There is no workaround.

- CSCsz77977

Symptoms: Online insertion and removal (OIR) of a PCMCIA flash disk causes a reset of the PRE module.

Conditions: This issue occurs during OIR of the PCMCIA flash disk that is being actively accessed.

Workaround: Restrict the removal of PCMCIA flash disks.

- CSCsz98503

Symptoms: Multiple cable modems (CMs) go offline for a short time on a random upstream port. This is seen as a spike of the error-per-second rate or a modulation error ratio (MER) drop and by a decrease in the “docsIfSigQUnerrored” MIB object.

Conditions: This issue occurs on a Cisco uBR10012 router with Cisco uBR10-MC5x20H cards.

Workaround: There is no workaround.

- CSCta05835

Symptoms: Entries in the MIB object “docsBpi2CmtsMulticastObjects” duplicate after the line card revertback after a switchover.

Conditions: This issue occurs when **cable match** command with is configured with the Baseline Privacy Interface (BPI) is configured.

Workaround: There is no workaround.

- CSCta32429

Symptoms: Cable modems (CMs) that are not capable of downstream bonding are expected to come online on downstreams that are not part of a bonding group. Non-bonding capable CMs are wrongly registered in bonded channels.

Conditions: This issue occurs when the **cable service attribute non-ds-bonded downstream-type bonding-disabled** command is configured on the Cisco CMTS.

Workaround: There is no workaround.

- CSCta38298

Symptoms: Active PRE fails over to the secondary reporting.

Conditions: This issue was first seen in Cisco IOS Release 12.3(23)BC7.

Workaround: There is no workaround.

- CSCta39239

Symptoms: While configuring the **cable upstream docsis-mode** command using SNMP, the standby PRE module does not synchronize with this configuration.

Conditions: This issue occurs when configuring the **cable upstream docsis-mode** command using SNMP.

Workaround: Configure the **cable upstream docsis-mode** command using the CLI instead of SNMP.

- CSCta45075

Symptoms: The **show interface multicast-session** command shows wrong multicast session instances.

Conditions: This issue occurs when one matching group QoS configuration (GQC) of type **aggregate** is created and two sessions of IGMP join are sent. This occurs when a send leave request is executed first for session 1 and then for session 2, and then a rejoin request is executed for the session 2 immediately after session 1 is deleted.

Workaround: There is no workaround.

- CSCta89728

Symptoms: The Cisco SIP-600 goes down and comes up due to the software watchdog reset on a Cisco uBR10012 router.

Conditions: This issue occurs when the software watchdog is reset on the Cisco uBR10012 router.

Workaround: There is no workaround.

- CSCta95686

Symptoms: The standby PRE module crashes during initial configuration with features such as crypto certificates, multicast, and IPv6 configured.

Conditions: This issue occurs when a configuration file with the above features is copied directly from a file to the running configuration and both the active and standby Route Processors (RPs) are booted with no configuration, the standby RP reloads unexpectedly.

Workaround: Ensure that the standby RP is up and available, after the initial running configuration file is saved to the startup configuration file.

- CSCtb04404

Symptoms: The Cisco Wideband SPA does not transmit traffic. The EQAM indicates no input traffic.

Conditions: This issue is seen on the Cisco SIP-600 with a PRE4 module, 5 x1 GigabitEthernet interface, and SPA-24XDS-SFP Wideband SPAs.

Workaround: Perform a PRE module reload.

- CSCtb24309

Symptoms: Around 60 to 70 bytes of buffer memory space is allocated when the protect line card becomes active after a system bootup.

Condition: This issue occurs during a line card switchover.

Workaround: There is no known workaround.

- CSCtb33109

Symptoms: Some cable modems (CMs) may go offline during a line card switchover.

Condition: This issue occurs during a switchover of the protect Cisco uBR-MC5x20H line card and the working Cisco uBR-MC5x20U line card.

Workaround: Reduce the number of modems connected to the Cisco uBR-MC5x20U line card.

- CSCtb57424

Symptoms: The Cisco CMTS is unable to ping some Wideband CMs.

Condition: This issue occurs in rare conditions.

Workaround: Reload the Cisco Wideband SPA and the Cisco SIP-600.

- CSCtb61654

Symptoms: All Wideband cable modems (CMs) on Cisco Wideband SPA go offline unexpectedly. Only SYNC packets, which are from the SPA are sent but packets (such as MDD, Secondary MDD, UCD, MAP, and so on) from Cisco uBR-MC5X20 line card are not sent.

Conditions: This issue occurs when channel bonding with DOCSIS Timing Interface (DTI) is configured.

Workaround: Perform Cisco Wideband SPA Online Insertion and Removal (OIR).

- CSCtb74904

Symptoms: After PRE switchover, the service flow counter shows 0 on the Cisco uBR10012 router.

Conditions: This issue occurs during a PRE switchover.

Workaround: There is no workaround.

- CSCtb79237

Symptoms: No syslog or SNMP trap messages are generated when the Common Open Policy Service (COPS) process forPacketCable fails.

Conditions: This is occurs in a PacketCable environment where the COPS session fails.

Workaround: There is no workaround.
- CSCtb83278

Symptoms: Executing the **term len 0** and **show cable modem** commands pauses the generated output randomly for up to a second on PRE4 module with hundreds of CMs.

Conditions: This issue occurs on PRE4 module with hundreds of CMs.

Workaround: There is no workaround.
- CSCtb93407

Symptoms: Syslog messages indicate a line card crash followed less than a minute later by a PRE failover.

Conditions: This issue occurs when a query of the “cefcFRUPowerSupplyGroupTable” MIB object does not occur at the time of PRE failover.

Workaround: There is no workaround.
- CSCtb95504

Symptoms: Wideband modems do not come w-online state and are often flapping in reject(c) state. IPC troubleshooting reveals IPC issues such as **ubr-test-request-api x/y block** commands fails.

Condition: This issue occurs on a Cisco ubR10012 router with DOCSIS 3.0 Wideband configured on Wideband-capable modems.
- CSCtb97382

Symptoms: There is an incorrect Wideband cable association after a cable line card is powered off..

Conditions: This issue occurs only after a cable line card is powered off.

Workaround: There is no workaround.
- CSCtb98663

Symptoms: The following system event message does not reach the receiving syslog server:

```
Sep 11 07:43:25 CDT: wbcmts_idxtbl_assign(): failed. Tbl full.
```

Conditions: This issue occurs under rare, severe error conditions, which cause the Stats index table to fill up. When this condition persists, other symptoms such as cable modems failing to come online or falling offline, after coming online, is seen.

Workaround: Monitor the Route Processor (RP) console logs. Check for the message if modems fail to come online or fall offline.
- CSCtc01430

Symptoms: When transmitting distributed QoS (DQoS) Lite voice calls, the downstream service flows are listed on the committed information rate (CIR) queue instead of Low Latency Queuing (LLQ), if PacketCable is not enabled in the Cisco CMTS configuration

Conditions: This issue occurs when the PacketCable is not configured on the Cisco CMTS and DQoS Lite or vanilla DOCSIS voice calls are performed.

Workaround: Configure the following commands:

- **packetcable**—Allows the downstream voice flows to go on LLQ instead of CIR and provides better voice quality.
- **packetcable authorize vanilla-docsis-mta**—Allows non-packetcable flows to be admitted.

The above commands do not impact the current configuration.

- CSCtc10117

Symptoms: A memory leak was observed in the Pool Manager process on the Cisco CMTS.

Conditions: This issue occurs when QoS is configured.

Workaround: There is no workaround.

- CSCtc25478

Symptoms: Policy Based Routing (PBR) using the **set ip next-hop** command with multiple **next-hops** does not work. The second available next-hop is skipped when Address Resolution Protocol (ARP) of the first hop times out after the first next-hop goes offline.

Conditions: This issue was first seen in Cisco IOS Release 12.2(33)SC4.

Workaround: Configure "PBR Support for Multiple Tracking Options" that is designed to detect whether the next-hop is active or not. Refer to the *PBR Support for Multiple Tracking Options Guide* for more configuration information.

- CSCtc33211

Symptoms: After a Stateful Switchover (SSO), the modular association of cable interface with downstream cable controller is incorrect. The **show controller cable** command displays the modular interface is up, though it is not configured.

Conditions: This issue occurs after an SSO.

Workaround: There is no workaround.

- CSCtc33748

Symptoms: The Cisco uBR-MC5X20U-D card crashes multiple times with the following message in the crashinfo file:

```
Address Error (load or instruction fetch) exception, CPU signal 10, PC = 0x6038C709
```

Conditions: This issue has been observed on the Cisco uBR10012 router with PRE2 module.

Workaround: There is no workaround.

- CSCtc34682

Symptoms: The **show memory debug leak** command shows a large number of buffer leaks for the Security Association (SA) map request count.

Conditions: This issue occurs when a large number of SA map requests are received from multiple modems connected on the line card.

Workaround: There is no workaround.

- CSCtc39722

Symptoms: The cable modems (CMs) do not come online or comes online and quickly flap offline on interfaces with remote primary narrowband values. The **show cable modem primary summary total** command shows non-zero blaze indices as non-zero.

```
Remote Primary Narrowband:
Mo1/0/0:0 31 31 31 0 0 0 0 0 0 0 0
Mo1/0/0:3 23 23 23 0 0 0 0 0 0 0 0
Mo1/0/0:6 25 25 25 0 0 0 0 0 0 0 0
```

Mo1/0/0:9	34	19	19	15	12	0	0	0	1	1	17
<<<<<											
Mo1/0/0:12	33	33	33	0	0	0	0	0	0	0	0
Subtotal:	146	131	131	15	12	0	0	0	1	1	17

Condition: This issue occurs in a PRE module failover.

Workaround: Power cycle the affected line card.

- CSCtc49858

Symptoms: Users with privilege levels lower than **enable** access are unable to execute some show cable command options.

Conditions: This issue was observed with the **show cable mac-domain** command and its **downstream-service-group** option that displays downstream channel information for wideband cable modems.

Workaround: Repeat the privilege level command in a more granular way. For example, the command needs to be repeated for each interface as follows:

```
privilege exec level 1 show cable mac-domain c5/0/0 downstream-service-group
privilege exec level 1 show cable mac-domain c5/0/1 downstream-service-group
privilege exec level 1 show cable mac-domain c5/0/2 downstream-service-group
..
privilege exec level 1 show cable mac-domain c8/1/4 downstream-service-group
```

- CSCtc57523

Symptoms: The Cisco CMTS console freezes up and eventually crashes.

Conditions: This issue occurs when configuring IGMP static-group after configuring the group configuration on the bundle interface

Workaround: Configure static-group before the group configuration.

- CSCtc59089

Symptoms: Cable line card crashes with PacketCable Multimedia (PCMM) voice call testing.

Conditions: This issue was seen in multi-line Cisco Analog Telephone Adaptor (ATA) behind cable modems (CMs) in a PCMM setup.

Workaround: There is no workaround.

Resolved Caveats—Cisco IOS Release 12.2(33)SCC

- CSCsv87997

Symptoms: The DHCPv6 relay process crashes on the active Route Processor (RP).

Conditions: The condition is unknown.

Workaround: There is no workaround.

- CSCsw24542

Symptoms: A crash occurs due to a bus error after displaying the following error messages:

```
%DATACORRUPTION-1-DATAINCONSISTENCY: copy error,
%ALIGN-1-FATAL: Illegal access to a low address < isdn function decoded>
```

Conditions: This issue was first observed on a Cisco 3825 running Cisco IOS Release 12.4(22)T with ISDN connections going on. At the moment of the crash, the router was being monitored using an SNMP Get program. After some minutes, the router reloaded by automatically.

Workaround: There is no workaround.

- CSCsx16152

Symptoms: Erroneous routing prefixes are added to the routing table.

Conditions: This issue occurs when the DHCPv6 relay feature is enabled and a router receives a normal DHCPv6 relay reply packet, which leads to an erroneous route being added to the routing table.

Workaround: There is no workaround.

- CSCsx70889

Cisco devices running affected versions of Cisco IOS Software are vulnerable to a denial of service (DoS) attack if configured for IP tunnels and Cisco Express Forwarding.

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-20090923-tunnels>.

- CSCsy07555

Cisco IOS devices that are configured for Internet Key Exchange (IKE) protocol and certificate based authentication are vulnerable to a resource exhaustion attack. Successful exploitation of this vulnerability may result in the allocation of all available Phase 1 security associations (SA) and prevent the establishment of new IPsec sessions.

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-20090923-ipsec>.

- CSCta43188

Symptoms: The DOCSIS Timing and Control Card (DTCC) (Eightbells) main field-programmable gate array (FPGA) is not fully functional in standalone mode and requires an upgrade.

Conditions: This issue occurs in standalone mode.

Work around: Upgrade the DTCC card.

- CSCtb94325

Symptoms: After upgrading to Cisco IOS Release 12.2(33)SCB3, some CPEs cannot communicate with the Cisco CMTS.

Conditions: This issue is seen after upgrading to Cisco IOS Release 12.2.(33)SCB3, when DOCSIS Timing Interface (DTI) is used with a wideband cable modem. This issue occurs when the cable modem (CM) assigns a private IP address to a CM before connecting to the CMTS, and when the CMTS reassigns the IP address from the DHCP server.

Workaround: Execute the **clear ip arp** command.

- CSCtc32086

Symptoms: The following log message and traceback are seen in the log after a configured Cisco Wideband SPA is removed::

```
005279: Oct 1 13:19:57.918 CET: %IPCGRP-3-CMDOP: IPC command 400 (slot1/0):  
undersized command response length  
-Traceback= 4094109C 409417B8 40B5A51C 40B5AB14 405B5EB8 4055FA08 410F50CC 410F2734  
41466D08 4143CE9C 4142B900 4145774C 40A3B7C8 40A3B7B4
```

Conditions: This issue occurs after a configured Cisco Wideband SPA is removed and **snmpwalk** command is executed or **show hw-module bay all counters rf-channel** command are executed.

Workaround: Either replace the Cisco Wideband SPA or unconfigure the relevant controller modular-cable.

- CSCtc50422

Symptoms: Internal accounting of the number of MAC domains is incorrect.

Conditions: This issue occurs after a bootup.

Workaround: There is no workaround.

- CSCtc54562

Symptoms: A crash is observed on the Cisco CMTS after online insertion and removal (OIR) of the PCMCIA card.

Conditions: This issue occurs in rapid insertion or extraction of the PCMCIA card.

Workaround: Wait for a few seconds after extracting a card and before inserting it back.

- CSCtc55172

Symptoms: When changing video multicast channel quickly within a short period of time, the Cisco CMTS rejects new IGMP joins because of insufficient bandwidth.

Conditions: This issue occurs when Multicast QoS (MQoS) is used with large committed information rate (CIR) parameters and an influx of channel changes.

Workaround: Use **aggregate** control type MQoS service flows instead of **single** control type service flows.

- CSCtc58045

Symptoms: The IGMPv3 client stops receiving multicast traffic when the client rejoins the same session.

Conditions: This issue occurs if Security Association Identifier (SAID) encryption is the same on the Cisco CMTS.

Workaround: Reset the cable modem.

- CSCtc58147

Symptoms: The cable modem (CM) is stuck in reject(c). Enabling the **debug cable tlv** and the **debug cable mac-address <cm-mac> verb** commands shows the following log:

```
SLOT 4: Oct 15 13:16:23.379: Found Upstream Service Flow TLV
SLOT 4: Oct 15 13:16:23.379:   Service Flow Reference : 1
SLOT 4: Oct 15 13:16:23.379:   Service Class Name String Length 16, Exceeds Limit of
15
SLOT 4: Oct 15 13:16:23.379: PARSER-ERROR: TLV 4 has bad length 16
SLOT 4: Oct 15 13:16:23.379: Primary CoS/Sflow encodings missing. CoSs:0 Sflows[US,
DS]: [1, 0]
SLOT 4: Oct 15 13:16:23.379: Registration failed for Cable Modem 001a.c3ff.d77e on
interface Cable4/0/U1:
      CoS/Sflow/Cfr/PHS failed in REG-REQ-MP
```

Conditions: This issue occurs when the config file includes 15 bytes of the service class name string for upstream or downstream service flow.

Workaround: Change the service class name to string less than 15 bytes.

- CSCtc59813

Symptoms: The CPE lost multicast traffic after line card switchover.

Conditions: This issue occurs when the ETDB and Downstream Service Identifier (DSID) entries are removed during Cisco UBR-MC20X20 line card high availability.

Workaround: There is no workaround.

- CSCtc66071

Symptoms: The Baseline Privacy Interface (BPI) index information is missing from the **show controller** command.

Conditions: This issue occurs on the working card or standalone card.

Workaround: There is no workaround.

- CSCtc66442

Symptoms: The line card crashes with traceback pointing to data corrupted when performing Dynamic Bonding Change (DBC) operation.

Conditions: This issue occurs when the **clear cable interface** command is executed.

Workaround: Do not execute the **clear cable interface** command.

- CSCtc71311

Symptoms: Attribute-based service flow assignment does not work.

Conditions: This issue occurs when the attribute-mask configuration is changed under the wideband interface after booting up the chassis, and a line card switchover occurs.

Workaround: Perform a line card switchover and revertback.

