

BCM 3.6 FEPS v. 37.150.0.33 Patch

CRs Resolved:

- **Q01095627**, VoIP Call Drop when a switch from Primary to Backup GK occurs

Description: Upon taking the primary gatekeeper out of service (OOS) via the CS1K gatekeeper element manager, the gatekeeper would send the VoIP Gateway an UnregisterRequest which would trigger the VoIP Gateway into dropping all active calls.

Resolution: Upon getting an UnregisterRequest from a gatekeeper, only drop all active calls if in GatekeeperRouted mode. If using GatekeeperResolved mode, all active calls should not be affected.

Lines Changed: Approx. 2

Complexity: Low

Testing: Fix was validated by taking the CSE1K gatekeeper OO while there was an active call up on the BCM.

- **Q01011670**, SN07Plus: H323 GK to GK T38 interop: Bcm t38 fax calls fail.

Problem: The SNO7 GW upon determining that it wished to switch from a voice to T.38 call, would dynamically update its TerminalCapabilitySet (TCS) to include T.38 (original TCS did not include T.38), and resend this to the BCM, immediately followed by a RequestMode(T.38). The receipt of an updated TCS by the VoIP Gateway would trigger it into a RecvdNewCaps state in which it expected to exchangeMasterSlaveDetermination messages with the other H323 endpoint, and would reject the RequestMode while in this state. Hence the T.38 fax call would fail.

Resolution: Instead of rejecting, to buffer RequestMode(T.38) messages while the VoIP Gateway is in a RecvdNewCaps state, until MasterSlaveDetermination exchange had completed, and the VoIP Gateway is again ready to handle the RequestMode.

Lines Changed: Approx. 10

Complexity: Low

Testing: Testing completed by CS2K PV.

- **Q01121345**, Load test - low pass rate on case 3 benchmark - agents busy and core errors

Problem: When set is releasing call (over voip trunk), we can see RELEASE fump from set to trunk and RELEASE back from trunk to set. In this scenario, trunk at FEPS end was not getting released and it was going into "Waiting for FinalRelease" state Ideally, this state transition should happen only for tandem calls. Since, FEPS doesn't know VLI_RELESAE received is for tandem call or direct call, FEPS goes into state waiting for final VLI_RELEASE message, which never happens in the problematic case.

Resolution: To fix this issue, the CORE is sending VLI_RELEASE message to FEPS with parameter indicating whether FEPS should expect final VLI_RELESAE message or not.

Lines Changed: Approx. 15

Complexity: Medium

Testing: Repeat of Load test (see CR for details)

Note: [MSC Core wi06.15](#) is also required to be present in order to resolve this issue.

Status:

- Generally Available -