

BCM 3.5 VoIP Gateway (FEPS) Patch

NOTE: This version of FEPS must be run with MSC Core v05.06 or higher.

List of CRs fixed by this release of software:

- Q00952440, Q00959879 - VoIP Trunk Lockup Issue
- Q00823818 - Umbilical Path Not Deallocated After Conference
- Q00878548 - Send gatekeeper registration keepAlive message to the gatekeeper 5 seconds prior to the registration expiry.
- Q00943929 - Radvision stack 4.0.0.48c failure under load test.
- Q00911578 - Block outgoing VoIP call attempts until Radvision stack fully initialized in order to avoid corruption of Radvision stack.
- Q00911578 - When in gatekeeper mode, only allow VoIP calls while VoIP gateway registered with GK.
- Q00953061 - Upon gatekeeper registration timeout, resend RegistrationRequest immediately instead of waiting 10 sec.
- Q00953061 - Upon failure of Radvision RAS API, the BCM VoIP Gateway should still proceed to instantiate the registration KeepAlive timer.

BCM 3.5 FEPS 35.218.0.33 Patch

The Gatekeeper Registration.KeepAlive Patch will change the VoIP Gateway (FEPS) to send its gatekeeper registration keepAlive message to the gatekeeper 5 seconds prior to the registration expiry. By sending the keepAlive message earlier, this should reduce occurrences of unnecessary registration expirations, and subsequent unregistration of the VoIP Gateway - which results in all calls being dropped.

Radvision stack 4.0.0.48c failure under load test. The symptoms were that the evFastStartSetup callback was invoked twice. As a result this caused Radvision resources to be leaked eventually leading to a crash of the VoIP Gateway.

Block outgoing VoIP call attempts until Radvision stack fully initialized in order to avoid corruption of Radvision stack. The behaviour observed was that for subsequent VoIP calls, certain Radvision API would begin failing until eventually no VoIP calls could be processed.

When in gatekeeper mode, only allow VoIP calls while VoIP gateway registered with GK.

Upon gatekeeper registration timeout, resend RegistrationRequest immediately instead of waiting 10 sec. This will help avoid unnecessary unregistration of the VoIP Gateway by the gatekeeper.

Upon failure of Radvision RAS API, the BCM VoIP Gateway should still proceed to instantiate the registration KeepAlive timer. As a result of certain Radvision API calls

failing, the VoIP Gateway would fail to re-initialize its registration KeepAlive timer, and subsequently become unregistered from the gatekeeper, and as a result, not be able to process any VoIP calls.

CRs fixed by this release of software:

- Q00911578
- Q00953061
- Q00943929

BCM 3.5 Patch for T.38 Interoperability with BCM 3.6

- BCM 3.6 is designed to not set the MediaChannel RTP address in its H.323
- OpenLogicalChannel(T.38) message since it is not relevant for T.38 data channels.
- This patch modifies the BCM 3.5 FEPS, and MGS to allow for this address not being present.

CRs fixed by this release of software:

- Q00911600