

BCM50 R1 CP1 Release Notes

Patch: BCM050.083-CUMULATIVE-PATCH-1

Applicable H/W Platforms: BCM50, BCM50a, BCM50e

Applicable S/W Platforms: BCM50 1.00.2.04g, 1.00.2.04j

Recommendation: This Cumulative Patch should be applied to all new installs of BCM50 R1 and existing installations when possible.

System Impact: The patch is 32MB. After transfer, application will take about 10 minutes including a system reboot.

Dependencies: For your convenience the BCM050.081-SOFTWARE-MANAGEMENT-1.2-1.0 patch has been bundled with this cumulative patch. This SOFTWARE-MANAGEMENT patch must be applied before BCM050.083-CUMULATIVE patch is applied. If this is not completed, the CUMULATIVE patch may fail to apply. Please select the SOFTWARE-MANAGEMENT first when applying the patches.

Description: This is the first cumulative patch created for BCM50 R1. The purpose of the Cumulative Patch is to bring a BCM50 R1 up to the latest s/w as easily as possible by reducing the amount of time it takes to install all current patches. The Patches included in the Cumulative Patch are listed below. These are all globally applicable patches. If you are running a private or limited availability patch, please consult Nortel Technical Support before applying the Cumulative patch. The Cumulative Patch will not apply individual component patches if the component has already been patched or has a later patch. All patches are applied if required. There is no ability to individually select the components to be patched.

Limitations: None.

Included Patches:

BCM050.001-CFS-1.0-1.1

BCM050.009-PSM-1.1-1.0

BCM050.014-CDR-1.1-1.0

Not previously patched: Coretel

BCM050.025-DSP-FPGA-1.0-1.0

Survivable Remote Gateway (SRG) 50 R1 Patch as described in Bulletin Number P-2005-0321-Global.

Individual Patch Release Notes:

BCM050.001-CFS-1.0-1.1

System Impact: Patch installation takes approximately 1 minute. All affected services will be running again within 3 minutes and the alarm condition will be cleared. The

system will not reboot and other system functionality will not be affected during the application of the patch.

Description: Approximately 37 days after installation of a BCM50, if there is no system reboot (continuous operation without power cycling), the customer will observe the generation of a critical alarm on the BCM50. At this time, the ability to manage changes to keycode settings will no longer work correctly. All other system functionality is unaffected. This issue is caused by an internal open file resource leak that results in running out of system file resources for this process. The patch will correct that resource leak.

Severity: Major

General Information: It is recommended that this patch be applied to all installed systems and to new system installs.

Note: This patch is not applicable to 2.04j systems, only 2.04g or earlier. The 2.04j release contains this patch.

BCM050.009-PSM-1.1-1.0

System Impact: Patch installation takes approximately 1 minute. The system will not reboot and other system functionality will not be affected during the application of the patch.

Description: While using NetIQ AppManager to monitor a BCM50 the Memory and CPU Statistics will differ from what is shown using BCM Monitor. If NetIQ AppManager is monitoring a BCM50 that has an APC Smart UPS 750 connected the system can become unstable. This patch corrects both issues.

Severity: Minor

General Information: It is recommended that this patch be applied to all installed systems using NetIQ

BCM050.014-CDR-1.1-1.0

Software Version: CDR 4.0 1.06.a

Description: This patch updates both the CDR Server and CDR Client components to address an issue with backwards compatibility of the CDR Pull capability.

Please note that after applying the patch the new CDR Client should be downloaded and installed on all CDR PCs.

Severity: General

Instructions:

CDR Client (Livestream and Pull) MUST be reloaded/reinstalled.

PC MUST be rebooted after the CDR Client application installation.

Not previously patched: Coretel

Software Version: 02.23

1. Outgoing PRI calls dropped

When a PRI call is made from a BCM 3.7, system into an BCM50 Call Centre, the call is dropped, just as the call is answered by the Call Centre.

CR Number: Q01273213

2. Some ASM modules fail to boot up.

On BCM 3.7 some ASM modules will not boot up and hang indefinitely.

This issue was discovered in manufacturing and resulted in a stop ship of the ASM. The root cause was identified as a firmware bug.

CR Number: Q01247102, Q01180514 Q01165379

3. Cannot call out on idle channel

When a DMS100 ("the network") places 23 of 24 T1 channels in a maintenance busy state, BCM attempts to seize the remaining idle line fail.

CR Number: Q01101726.

4. BRI Terminal gets Incorrect call Treatment when T1 lines are out of service.

When all lines on a T1 span are out of service and a BRI set attempts to access the T1 link, the BRI set receives no indication and returns to time and date after the access code is dialed.

CR Number: Q01222053

5. Outgoing tandem calls dropped.

When an outgoing BCM tandem call is made and that call terminates in an external voice mail system the call may drop

CR Number: Q01178926

6. Auto schedules set up for the weekdays works OK but ignores the weekend Schedules - Saturday and Sunday work like a weekday.

CR Number: Q01229855

BCM050.023-CORE-1.0-1.0

Software Version: 02.19-9D

Description:

Q01184612 Correct problem of extra IM ring messages after trunk connect

Q01200546 Protect against potential system crash due to uninitialized variable.

Q01019869 Hunt group DN's not ringing

Software Version: 02.19.9A (BCM050.016_CORE-2.1-1.0)

Q01175385 Allow the transmission of DTMF tones on the M50 paging speaker

Q01121305 Allow receipt of STATUS msg after 911 call to 5ESS switch

Q01165773 Add MCDN Progress Indicator to the CONNECT message

Software Version: 02.18-9A (BCM050.008-CORE-2.0-1.1)

Q01126447 UK GATM driver: Support Algo dongle

Q01072877 Up issue of GASM f/w to resolve disconnect supervision issues with 3rd party

IVR and conference systems

Q01107104: Tandem PRI-IP calls drop during load test

BCM050.025-DSP-FPGA-1.0-1.0

Applies to: BCM50 systems running either System Software Version 1.00.2.04g or 1.00.204j.

Issues Resolved:

DSP firmware fix for GATI issues. There are several symptoms of this problem including no or one way speech path, failure to dial out from GATI, and failure to detect incoming calls.

This patch improves both fax over IP (T.38) reliability at high speeds 14,400bps and modem connection reliability and connection speed in the presence of echo.

Addresses music on hold not functioning.

Problems occurred when using the integrated analog trunk ports in pulse mode the "#" key wasn't switching the system to DTMF.

Addresses an intermittent issue where during normal operation the system becomes unstable and alarms 40004 and 40005 are seen in element manager.

Severity: Major

Status:

PV Start - March 1, 2006

Beta Start -March 13, 2006

Generally Available -

Download: BCM050.083-CUMULATIVE-1.6-1.2.zip