

Release Note



MG-PRI firmware SP3884 PROG-A 21.00.00.00 FCO 2013.098

System : UNIVERGE SV8500
UNIVERGE SV7000

Date : 29 November 2013

Change Decision : 2013-2801

Category : Maintenance

Product Identity : MG-PRI firmware SP3884 21.00.00.00

Necessary Material :

Material	12 NC
SV8500 SYSTEM SW S7 DVD	9600 041 74501

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1 IDENTIFICATION

This FCO gives information about Maintenance Release of the MG-PRI firmware SP3884 21.00.00.00 for the media gateway MG-2M:

- SCA-30PRI-SHA

The product to be upgraded is identified as follows:

Name of the package : MG-PRI firmware SP3884
Package identification : 20.00.00.00

After implementation, the product is identified as follows:

Name of the package : MG-PRI firmware SP3884
Package identification : 21.00.00.00

2 ASSOCIATED PRODUCTS

None.

3 COMPATIBILITY

This release is backwards compatible with all previous releases.

- The new T.38 functionality in this firmware release can only be used in combination with SV8500 S3 SW.
- The new multi-path functionality in this firmware release can only be used in combination with SV8500 S7 SW.

4 UPGRADE INSTRUCTIONS

The firmware of this FCO can be downloaded from SoftWare DataBase.

Upgrade of MG-2M firmware via serial connection (local download), see IP Peripheral Equipment Guide. The local upgrade will effect the settings of the MG-2M.

Upgrade of MG-2M firmware using PCPro command ATDL (remote download) is described hereafter. The remote upgrade will not effect the settings of the MG-2M. This upgrade assumes that the MG-2M is operational in SIP mode.

For remote download follow next steps:

1. Unzip the ZIP file from this FCO to a folder on the PC where FTP server is running and keep the directory structure intact (WinZIP checkbox 'Use folder names' checked). The folders containing the unzipped firmware should be a subdirectory under the FTP root directory as defined in step3.
2. Prepare an external FTP server. Note the IP address, the login name and password.
3. Set on the FTP server, the FTP root directory where the *mwlst.txt file is located.
4. From PCPro start the command ATDL.
5. In the ATDL command screen, fill in:
 - FTP Server Set Up, select radio button "External Server":
 - Fill in FTP server IP address, Login Name and Password.
 - Download Method:
 - Select Sequential or Parallel (maximum of 8 simultaneous downloads).
 - In Option panel, uncheck the checkbox "Specify File Storage Directory"
 - In Terminal Information:
 - Press the "Insert"-key, and a new screen "Addition of Terminal Information" opens.
 - In the "Addition of Terminal Information" screen:
 - Select radio button "Specify Terminal Type".
 - Select from the "Terminal" selection box: "MG-PRI2.0 SIP" (HWTP=A9).
 - Next press the "Search"-button.
 - The "Result of Search" screen will contain all found (registered) MG-PRI LENSs listed.
 - Select first LEN of each found MG-PRI.
 - Finally press the "Add to the Terminal List"-button and the "Close"-button.
 - The original ATDL command screen returns.

- Press the "Exe"-button, and the download process will start.

After downloading is completed, the MG-PRI(s) will restart and become operational with the new firmware.

5 FUNCTIONAL CHANGES

Functional changes history overview:

- SP-3884 06.01.00.00 => SP-3884 07.00.00.00:
 - Reset configuration data to factory default improvement
 - Improvement of location diversity function
- SP-3884 07.00.00.00 => SP-3884 08.00.00.01:
 - Health check function improvement
- SP-3884 08.00.00.01 => SP-3884 09.00.00.00:
 - NEC proprietary and SIP mode for full ISDN and QSIG functionality supported
 - DHCP option 120 and DHCP option 162 implemented
- SP-3884 09.00.00.00 => SP-3884 10.00.00.00:
 - Call retention function
- SP-3884 10.00.00.00 => SP-3884 11.00.00.00:
 - None
- SP-3884 11.00.00.00 => SP-3884 12.00.00.00:
 - Call retention function enhancement (T/S server R22 or higher)
- SP-3884 12.00.00.00 => SP-3884 13.00.00.00:
 - SR-MGC and Location Diversity support for MG-2M in SIP mode (T/S server R23 or higher)
- SP-3884 13.00.00.00 => SP-3884 14.00.03.00:
 - None
- SP-3884 14.00.03.00 => SP-3884 16.00.00.00:
 - South Africa tone support added
- SP-3884 16.00.00.00 => SP-3884 19.00.00.00:
 - T.38 function is added
 - Call retention function enhanced
- SP-3884 19.00.00.00 => SP-3884 20.00.00.00:
 - None
- SP-3884 20.00.00.00 => SP-3884 21.00.00.00:
 - Multi-path function added for MG-PRI in SIP mode

6 KNOWN PROBLEMS

None

7 SOLVED PROBLEMS

Solved problems history overview:

- SP-3884 06.01.00.00 => SP-3884 07.00.00.00:
 - In case of network failure between SV7000 and MG-PRI, established calls are not released and B-channels remain busy
- SP-3884 07.00.00.00 => SP-3884 08.00.00.01:
 - B-Channel negotiation error resolved

- PAD control not working via ARTD/APAD command when MG-PRI is in SIP mode
- SP-3884 08.00.00.01 => SP-3884 09.00.00.00:
 - Echo canceller problem resolved
 - Setup ISDN call sometimes resulted in no speech path, because previous ISDN call disconnected improperly
 - When encryption is used, and an ISDN call is parked, no external hold tone send
- SP-3884 09.00.00.00 => SP-3884 10.00.00.00:
 - During echo canceller training of MG-2M an error can occur, resulting in the MG-2M to reboot
 - Deadlock during firmware update. Competition of FlashROM erase process and FlashROM reading process causes a deadlock
- SP-3884 10.00.00.00 => SP-3884 11.00.00.00:
 - Illegally sending RTP to the incorrect port caused no speech path
- SP-3884 11.00.00.00 => SP-3884 12.00.00.00:
 - None
- SP-3884 12.00.00.00 => SP-3884 13.00.00.00:
 - Registration of MG-2M fails after 2nd defined SIP Server
- SP-3884 13.00.00.00 => SP-3884 14.00.03.00:
 - After high IP network traffic, randomly single-sided speech path occurred
 - When using option 43 (vendor definition option) in DHCP, REQUEST of lease update is not transmitted, and IP address remains valid passed the lease timeout until reboot of MG-2M.
- SP-3884 14.00.03.00 => SP-3884 16.00.00.00:
 - None
- SP-3884 16.00.00.00 => SP-3884 19.00.00.00:
 - Some IP packet received were incorrectly handled
- SP-3884 19.00.00.00 => SP-3884 20.00.00.00:
 - MG based call retention did not operate correctly (only applicable in SP mode)
 - Voice path problem in case of packet loss (only applicable in TP mode)
- SP-3884 20.00.00.00 => SP-3884 21.00.00.00:
 - MG-PRI did not re-register, in case of call retention active (TCP link down), while call on hold

8 MATERIALS

8.1 Physical Distribution

Orders for the SV8500 Software DVD belonging to this FCO are accepted from week 201348 onwards at:
NEC Unified Solutions
Order Management
P.O. Box 32
1200 JD Hilversum, The Netherlands

8.2 On-line Information

The Release Note (FCO) and applicable software can be downloaded from the software database on BusinessNet.

BusinessNet URL : <http://businessnet.nec-unified.com>.