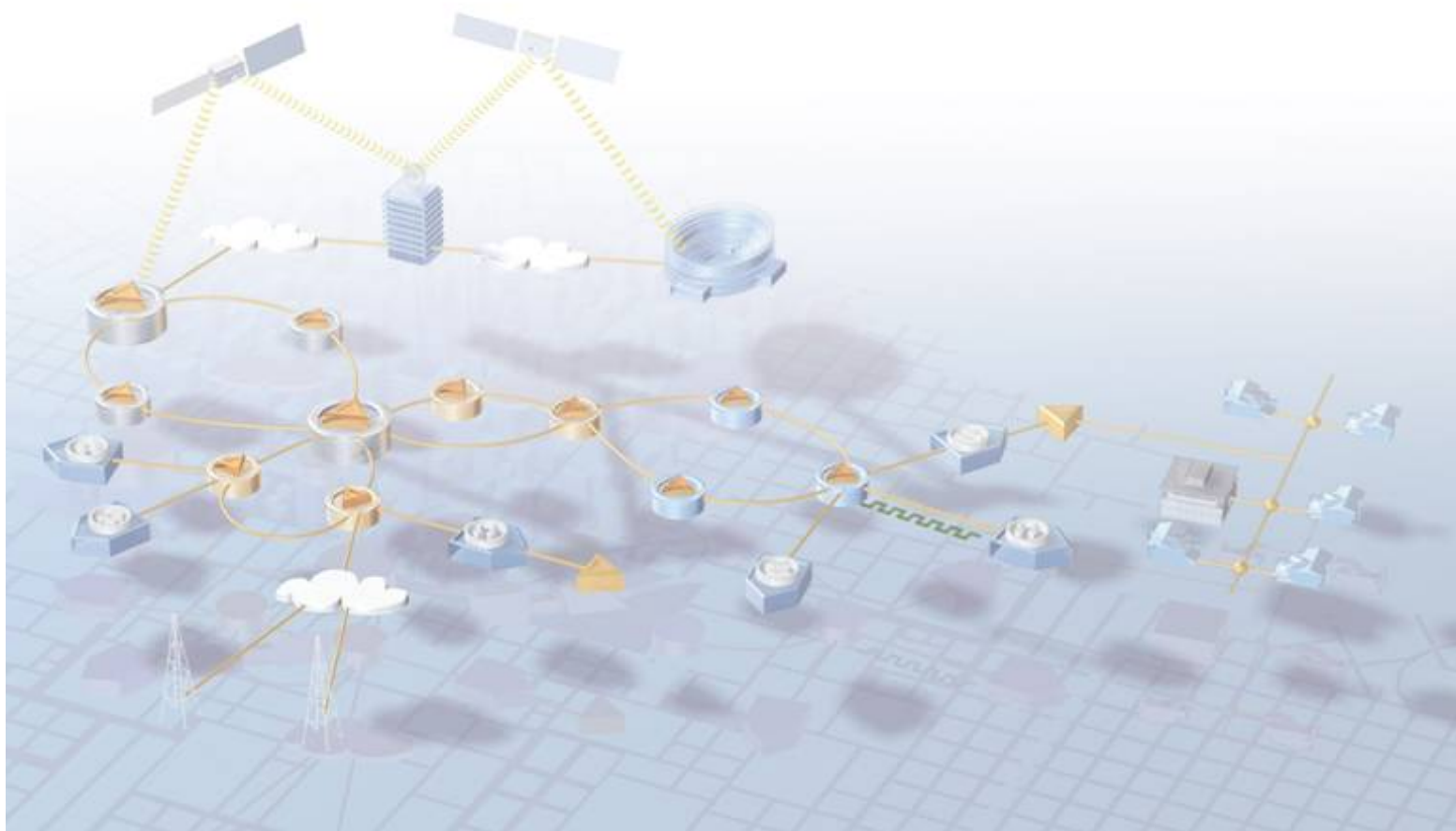# DOCSIS 3.0 Cable Modem (CM), Embedded Multimedia Terminal Adapter (EMTA), and Router Gateway (RG)

Software Release Notes

150728

Revision Control

Revision Number	Date of Issue:	Reason for Change
Version 1.0	July 28, 2015	Initial Release

Introduction

This document describes the new software release for Cisco DOCSIS 3.0 modem products. These products are capable of providing up to 24 downstream channels and 8 upstream channels of traffic, depending on the hardware model. For complete details on the product specifications contact your Cisco Sales Representative or visit www.cisco.com.

Software changes result from feature requests and bug fixes. For each change a description of the changes is provided along with information that documents the reason for the change. If the reason for the change is to fix a problem with a previous release, a description of the previous problem is included.

This software is based on the silicon vendor's BFC 5.5.11mp1 CxC 3.9.21.17 release. This release supports new product introductions. This document is to be used by cable operators in addition to relevant models user and Installation and Operations guides.

Scope

This document describes changes for the following DOCSIS 3.0 modem products.

The appropriate software image should be used based on customer requirements.

Supported Products

Model Number	Image Name
3383	
EPC3928A	`e3928A-E15-5-E122-c3110r55112-150728c`
EPC3928A	`e3928A-E15-5-E122-c5110r55112-150728c`
EPC3928S	`e3928-E15-5-E11F-c5100r55112-150728c`
33843	
EPC3940A	`e3940A-E15-5-E113-c5130r55112-150728c`
EPC3940AL	`e3940AL-ES-5-E107-c5130r55112-150728c`
EPC3940AL	`e3940AL-E15-5-E107-c5130r55112-150728c (MGCP)`
3384	
EPC3949A	`e3949A-E15-5-E13D5-c5130r55112-150728c (MGCP)`

Private MIB definition files supported

SA-CM-150728.mib
SA-CM-MTA-150728.mib
SA-HW-150728.mib
SA-MTA-150726.mib
SA-MTA-STAT-150728.mib

SA-EMTA-SIP-150728.mib
SA-RG-150728.mib
SA-TR069-150728.mib

Release Contents – 150728

New Features

Item	Feature Description
1.	**BFC / CxC Version Upgrade** Upgrade BFC/CXC version for reference code: • BFC 5.5.11mp1 • CxC 3.9.21.17mp1
2.	**Energy Management support** Supports Energy Management functionality as specified by the Cablelabs spec.
3.	**Internal LNA Support** Support BCM3383/BCM33843/BCM3384 models with internal LNA component.

Known Issues and Limitations

Item	Issue Description
1.	**(26137)L2GRE tunnel is established but no traffic can pass form hotspot client** When 2.4 and 5G hotspot are enabled simultaneously, the client fails to get an IP address on the 3940.
2.	**(25469) The TR69 failed item by CDRouter testing.** Some TR-181 CDRouter test cases fail on the current version of software

Resolved Issues

Cable Modem Component

Item	Issue Description
1.	**(25381) Merge 5.5.11mp1** Merged 5.5.11mp1 code version.
2.	**(25287) Merge all GA branches and European Customer specific branches to Antero2** Code merge of previous GA and Euro Customer specific branches.
3.	**(25376) Add WFCC and remove CVC info from image filenames.** Add default Wifi country code to image filename
4.	**(25914) CpeMacAddress does not work** Fixed an issue where the cpemacaddress mib did not work in bridge mode.
5.	**(25986)5-85MHz Diplexer split for Europe in SA-HW.mib** Added support for 5-85MHz diplexer split for the EPC3928S

Residential Gateway Component

Item	Issue Description
1.	**(25863) Only *.txt files can be opened from a connected USB drive** Fixed the issue where other types of files such as *.jpg and *.zip can be opened.
2.	**(26170)WPAPreSharedKey does not take 8 characters via SNMPset for 5 GHz radio** Fixed and issue where 8 character shared key was not accepted via SNMP

3.	**(25927) Vrf to LAN port mapping** Fixed issue where a customer was not able to map a LAN port to a VRF/Service flow.
4.	**(26017) No key index for WEP** Fixed an issue where, in "Security Mode" on the WebUI is set to WEP and the keys entered could not be saved.
5.	**(26056)Add value 2(cm) to mib saRgL2ogreOrigIf** Enable the CM interface to be the Origin interface for a GRE tunnel
6.	**(26063)Integrate PMF patch to fix WiFi disassociation issues** Turned off PMF by default.

MGCP Component

Item	Issue Description
1.	**(25833) DSA transaction failed with conf code: kRejAuthFailureBigBro [MGCP]** Fixed an issue where outgoing call can be completed while incoming calls are not accepted.
2.	**(25860)Network Unavailable Tone** Fixed and issue where in, when the MTA goes offHook is not being provided a Network Unavailable Tone on Coax cable disconnection.

SIP Component

No changes were introduced by this firmware version for the SIP component.