Communication Server 1000

Release 7.6 Service Pack 5

Release Notes

Issue: 4.0

September 2014

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Introduction

These Release Notes are updated July 2014 to reflect two new AMS 7.0 fixes – QFE-platform 11 and 12.

These Release Notes are updated again in September 2014 to highlight defective patches MPLR33098 and MPLR33065 (Issue 3.0 of Release Notes incorrectly referenced MPLR3333 rather than correct MPLR33333)

- **MPLR33098 can potentially cause some one way speech path issues. MPLR33098 has been replaced with MPLR32192 in an updated version of Service Pack 5 now available on ESPL.**
- **MPLR33065 can cause issues with 2050 logout on AACC. MPLR33065 has been removed from an updated version of Service Pack 5 now available on ESPL. MPLR33333 can be used in place of MPLR33065 if required – MPLR33333 is available for download via ESPL.**

This Release Note profiles information about installation downloads and the supported documentation of Communication Server 1000 7.6 GA Release and Service Pack 5. This Release Note also contains important information about new features added to Release 7.6, fixes included in Service Pack 5, known issues, and possible workarounds in this Release.

The offer definition contains other important information about the release. The offer definition is located on Avaya's **Sales Portal** site under the **Products and Solutions / CS1000 / pre sales technical**.

https://avaya.my.salesforce.com/sfc/servlet.shepherd/document/download/069a0000002k1b7AAA

A complete list of PI patches available for R7.6 can be found in ESPL.

The online Compatibility Matrix is recommended for Communication Server 1000 Release 7.6 interworking with the Avaya Aura® portfolio in particular. This can be accessed via the Avaya Support Portal at:

https://support.avaya.com/CompatibilityMatrix/Index.aspx

The Communication Server 1000 Release 7.6 product compatibility matrix is located on Avaya's http://support.avaya.com site under the **Overview** content type in the Communication Server 1000 Release 7.6 Downloads & Documents section.

What's new in CS1000 Rls 7.6 SP5

CS1000 UCM SHA256 Support

All newly generated x509 certificates are signed with latest SHA256 algorithm. It is possible to force switch back to SHA1 for the whole system using *defaultSAconfig* linux command (The command does not have any flags). For SHA256 support it is also needed to have UNIStim 5.5 Service Pack 2 (DTLS) and SMGR 6.3.8 (TLS).

For customers with all system elements on Release 7.6:

In some networks it is critical to have all the elements' certificates signed with SHA256. In this case, the re-installation of Primary UCM server is required, since its Default certificate can only be generated on installation. Following this, Service Pack 5 must be applied before configuring the server as Primary. Finally, re-join all the elements to the Security Domain. Also please note that when the backup/restore procedure takes place, it backs up the certificates, so restoring backup (with SHA1) on the SHA256 server will roll back the server to SHA1.

However, in the following cases it is possible to perform the SHA256 Update application without the re-installation of Primary UCM server::

- If it is not important what Signature Algorithm to use for the Default certificate on Primary UCM server
- If re-installation of Primary UCM server is unacceptable

When either applies, the server SHA256 update application is fully transparent and does not require any special handling with regard to x509 certificates – just follow the installation instructions. In this case, the Primary will still use the SHA1 Default certificate, though elements requesting a SHA 256 certificate will get SHA256-signed certificates after re-joining the Security Domain..

For customers with complex mixed releases systems (7.5, 7.0 or lower):

Before installing Service Pack 5 on Primary UCM server pay attention to the following:

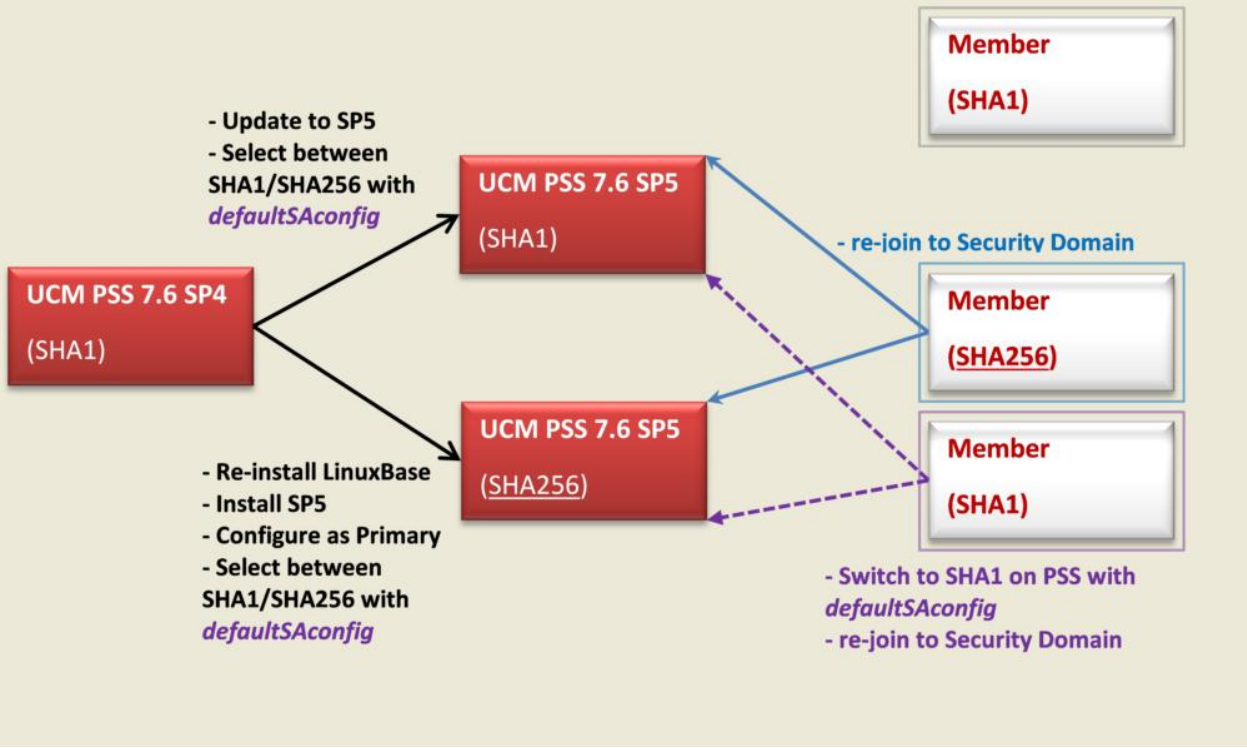
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-After installing SP5 on Primary UCM server all newly created Default, WebSSL, DTLS and SIP TLS certificates are signed with SHA256 algorithm.

-To avoid CS1000 systems negotiation breakage it is required to generate SHA1 certificate. For this, new Linux command defaultSAconfig is introduced (should be executed on Primary UCM server under user admin2) which allows to switch back to SHA1. After this, all newly created Default, WebSSL, DTLS and SIP TLS certificates are signed with SHA1 algorithm.

-With the help of the same defaultSAconfig command the Signature Algorithm could be switched to SHA256 again.



Patching / Disk space

Automatic Primary UCM hard disk cleanup is implemented in Service Pack 5. Automatic Primary UCM hard disk cleanup is performed before Service Pack (SP) is uploaded using Patch Manager. When a user chooses an SP file and clicks “Upload” button freeDiskSpace command is invoked automatically to clean disk space by removing all already uploaded Service Packs, Deplists, Patches and Loadwares. To revert to an earlier Service Pack/Deplist/Loadware, please re-upload it again.

The disk space can also be cleaned up by using *freeDiskSpace* linux command via CLI.

The following flags are available with the freeDiskSpace command:

-r - to run the command in non-interactive mode

-v - to be verbose

--report_only - to print list of files which may be deleted

--help (-h) - to print help

All the flags can be used together. It is useful to add the flag “-v” along with the flag “-r”.

For more information refer to NN43001-407 CS1000_Patching_Fundamentals_7_6 and NN43001-315 “Linux Platform Base and Applications Installation and Commissioning”.

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AMS 7.6 on updated CS1000 Linux Base

R7.6 Service Pack 5 introduces support of AMS 7.6 in the CS1000 environment. Linux Base for AMS 7.6 is updated to RHEL 5.10 64bit. AMS 7.6 provides a number of security updates and new features such as Auto Engineering for CPU and memory, Content Store (CStore) cluster replication, support of Internet Explorer 8.x, 9.x, 10.x and Firefox 19.0, 20.0 and 21.0 by AMS EM, role based access support (RBAC) with/without SMGR, improved media port management.

Please note that AMS 7.0 is still supported.

It is not supported to mix AMS 7.0 and AMS 7.6 in one cluster.

AMS 7.6 is only supported with R7.6 SP5 or higher.

For more information refer to NN43001-315 “Linux Platform Base and Applications Installation and Commissioning”.

Please also refer to **AMS 7.6 Special Instructions** section in this document for some additional install information that will shortly be included in the latest NTP.

MPLR33004 removal

Patch MPLR33004 was included in SP4. It was a GEN patch designed to prevent MCDN FACILITY message loopback, which can lead to FACILITY message ping-pong and subsequent CS1000 system slowdown / freeze.

This patch has been removed from SP5. The Sig Server VTRK SU that goes with it is still contained within the latest SU in SP5.

Reason for removal of MPLR33004 from SP5:

A pre-existing problem in the CS1000 6.0 and 7.0 Sig Server will result in failure to properly handle the FACILITY message with OPTIONS IE header. Such FACILITY message will be ignored. Therefore all MCDN related features that use FACILITY message (MWI, RCFW, NRAG for example) will not work properly. CS1000 7.5 and 7.6 sw without MPLR33004 and associated VTRK SU will also experience the same problem when OPTIONS IE is received.

Be aware that the original FACILITY looping problem has only been seen on a small number of sites in the field.

Patch MPLR33004 has been changed from GEN/RELEASED to LTD/RELEASED, and can therefore be downloaded from ESPL and applied to sites as required, on a case by case basis.

Long term plan is to create a replacement patch for MPLR33004 that fixes the MCDN Facility ping-pong problem, which does not break MCDN features, if far end does not have the patch installed. This is currently being planned for SP6

Routing Service Gateway

Service Pack 5 supports the use of the Call Server as a Routing Service Gateway for SIP trunking. Previously the CS1000 could connect to an Avaya Aura Session Manager (SM) for connectivity to an Aura environment as well as more recent (R7.5 and R7.6 only) CS1000 systems, and to an NRS acting only as an H323 Gatekeeper. That ability is retained. In addition, the CS1000 can now be connected to both an SM and to an NRS providing SIP Redirect Service or SIP Proxy Service (for connectivity to older – pre R7.5 – CS1000 systems).

This capability allows an existing SIP trunking network to be upgraded more gradually. The first switch that is upgraded to Release 7.6 (with Service Pack 5 or later) can have a new SSG added that uses an SM to provide a SIP Routing Service, while retaining the SSG with a connection to the NRS. Other switches can continue to connect to the NRS, using the upgraded CS1000 to act as a Gateway between the NRS and the SM. ESN routing can be created to route calls to the appropriate SSG and Routing Service. This facilitates communication between the older CS1000 systems (using NRS) and the more recent CS1000 and Aura systems (using SM).

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CS1000 Software MUST READ

- CPDC and CPMG cards now require 4GB of RAM. The usable amount of DRAM is 3 GB.
- CPPM and COTS1 servers are only capable of having 2GB of memory. SW Deployment model restrictions have been put in place in the Non-Dedicated deployment model. These platforms no longer support running all applications simultaneously. Please see the Release 7.6 Planning and Engineering guides for the latest guidance on system capacities.
- SSH/Telnet connection using IPv6 is not supported in CS1K. For SSH/telnet/Web access, only IPV4 format is supported.
- The one-X Communicator for CS 1000 has been End of Sales since 4th March 2013. It is recommended for the small number of customers using one-X Communicator on the CS 1000 to consider migrating those users to IP Softphone 2050, or to one-X Communicator natively on Collab Pack 1.1 for CS 1000.
- Please consider interoperability implications for other Avaya applications / DevConnect applications / SIP trunking prior to any upgrade – there is information in Appendix A referencing the online Compatibility Matrix which is available on the Avaya Support Portal.

Supported Upgrades

For the Communication Server 1000 7.6 Release and Service Pack 5, upgrade paths from the following releases have been validated: 3.0, 4.0, 4.5, 5.0, 5.5, 6.0, 7.0, 7.5, and Meridian 1 Rls 25.40B.

Special instructions/Points to remember before a fresh installation or an upgrade

Step by Step instructions for installing or upgrading your system can be found in the customer documentation.

Prior to upgrade/migration, please ensure that the latest Deplist/SP is installed for the **current release** of software on your system.

You can find the latest DEP list for your system on the Avaya ESPL Web site https://espl.avaya.com/espl/

Pre-Upgrade SUs files that have changed

PLDS file ID	Pre-Upgrade Description	File Name	Size (Mb)	MD5 Check
Release 6.0 Pre-Upgrade SU & Service Pack (no changes)				
Linuxbase SU	Linuxbase SU	nortel-cs1000-linuxbase-6.00.18.65-08.i386.001.ntl	0.78	0089D1C8F1A11472F545B9BB4D1B6FF7
Linux SP	Linux SP	Service_Pack_Linux_6.00_18_20130315.zip	335	EB22C6566DF930ABCDE1321E614E0EE1
Release 7.0 Pre-Upgrade SU (no changes)				
Linuxbase SU	Linuxbase SU	nortel-cs1000-linuxbase-7.00.20.10-10.i386.000.ntl	1.25	5383E5E5B115E8DA0F512DCF84BFE41C
Release 7.5 Pre-Upgrade SU & Service Pack				

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PLDS file ID	Pre-Upgrade Description	File Name	Size (Mb)	MD5 Check
Linuxbase SU	Linuxbase SU	cs1000-linuxbase-7.50.17.16-21.i386.000.ntl	1.29	af810aadf2a61d10fe2360e4c3c68b41
Linux SP	Linux SP	SP_7.5_24.zip	1018	816815757d3250a07cff73dede383a0c

Service Pack 5 Special Instructions:

Installing the Service Pack

Before You Begin:

If you have System Manager deploy SMGR 6.3.8 load (System_Manager_R6.3_FP4_GA_4502376.bin file) from

https://support.avaya.com/downloads/download-details.action?contentId=C20131129151632760_8&productId=P0541

For more information refer to System Manager 6.3.8 Release Notes (https://downloads.avaya.com/css/P8/documents/100176972).

Please review the following customer document: NN43001-407 CS1000_Patching_Fundamentals_7_6. This contains critical information and procedures for installing the service pack on the various platforms:

http://support.avaya.com/css/P8/documents/100170376

You must install all elements of CS1000 7.6 Service Pack 5 on CS1000 7.6 software load.

For customers with all system elements on Release 7.6:

In some networks it is critical to have all the elements' certificates signed with SHA256. In this case, the re-installation of Primary UCM server is required, since its Default certificate can only be generated on installation. Following this, Service Pack 5 must be applied before configuring the server as Primary. Finally, re-join all the elements to the Security Domain. Also please note that when the backup/restore procedure takes place, it backs up the certificates, so restoring backup (with SHA1) on the SHA256 server will roll back the server to SHA1.

However, in two scenarios, upgrading the Primary UCM server to provide SHA256 signatures may be undesirable:

- If it is not important what Signature Algorithm to use for the Default certificate on Primary UCM server
- If re-installation of Primary UCM server is unacceptable

When either applies, the server SHA256 update application is fully transparent and does not require any special handling with regard to x509 certificates – just follow the installation instructions. In this case, the Primary will still use the SHA1 Default certificate, though elements requesting a SHA 256 certificate will get SHA256-signed certificates after re-joining the Security Domain..

For customers with complex mixed releases systems (7.5, 7.0 or lower):

Before installing Service Pack 5 on Primary UCM server pay attention to the following:

After installing SP5 on Primary UCM server all newly created Default, WebSSL, DTLS and SIP TLS certificates are signed with SHA256 algorithm.

To avoid CS1000 systems negotiation breakage it is required to generate SHA1 certificate. For this, new Linux command defaultSAconfig is introduced (should be executed on Primary UCM server under user admin2) which allows to switch back to SHA1. After this, all newly created Default, WebSSL, DTLS and SIP TLS certificates are signed with SHA1 algorithm.

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With the help of the same defaultSAconfig command the Signature Algorithm could be switched to SHA256 again.

Call Server Service Pack (DepList) Installation Special Instructions

Several Call Server patches have special instructions. Please refer to Table 2 for details.

Linux Service Pack Installation Special Instructions

Instructions for Upgrade/Migrations:

The SP5 installation sequence for **Primary** Linux server **after** upgrade/migration to 7.65.16 load:

- Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.23-1.i386.000.ntl)
- Install the latest Jboss SU (cs1000-Jboss-Quantum-7.65.16.22-8.i386.000.ntl)
- Install the latest patchWeb SU (cs1000-patchWeb-7.65.16.22-4.i386.000.ntl)
- Install the latest dmWeb SU (cs1000-dmWeb-7.65.16.22-6.i386.000.ntl) **before deploying the CS1000 applications on the UCM**
- Perform applications deployment
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

The SP5 installation sequence for **Member** Linux servers **after** upgrade/migration to 7.65.16 load (**using Primary Patch and Deployment Managers**):

- Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.23-1.i386.000.ntl)
- Perform applications deployment
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

The SP5 installation sequence for **Member** Linux servers **after** upgrade/migration to 7.65.16 load (**using Local Patch and Deployment Managers**):

- Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.23-1.i386.000.ntl)
- Install the latest Jboss SU (cs1000-Jboss-Quantum-7.65.16.22-8.i386.000.ntl)
- Install the latest patchWeb SU (cs1000-patchWeb-7.65.16.22-4.i386.000.ntl)
- Install the latest dmWeb SU (cs1000-dmWeb-7.65.16.22-6.i386.000.ntl) **before deploying the CS1000 applications on the UCM**
- Perform applications deployment
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

NOTE: Ensure that Jboss-Quantum patch cs1000-Jboss-Quantum-7.65.16.22-8 is applied before configuring and joining member or backup server to security domain.

After installing Service Pack 5:

1. Login to Element Manager
2. Go to IP Network – Nodes and save and synchronize every Node which has IP Media Services enabled.

   If High Scalability system with Survivable IP Tones is deployed login to Element Manager:
3. Go to IP Network – Nodes – Node Details – IP Media Services and manually set Local Media Server Role to “SIP Media Gateway”.

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Instructions for existing CS1000 Release 7.6 System (i.e. running an older Service Pack version)

In general, if the SP contains the following SU's and if they have changed, they will be available on ESPL as standalone files. They must be installed individually first via CLI, **before** installing the SP

The SP5 installation sequence for Primary Linux server:

- cs1000-**linuxbase**-x.xx.xx.xx-xx
- cs1000-**Jboss-Quantum**-x.xx.xx.xx-xx
- cs1000-**patchWeb**-x.xx.xx.xx-xx
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

The SP5 installation sequence for Member Linux servers(using Primary Patch Manager):

- cs1000-**linuxbase**-x.xx.xx.xx-xx
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

The SP5 installation sequence for Member Linux servers(using Local Patch Manager):

- cs1000-**linuxbase**-x.xx.xx.xx-xx
- cs1000-**Jboss-Quantum**-x.xx.xx.xx-xx
- cs1000-**patchWeb**-x.xx.xx.xx-xx
- Install the Service Pack (If Patch Manager is used for Service Pack installation: all previously loaded Service Packs, Deplists, Patches and Loadwares will be deleted to save disk space before uploading a new Service Pack/Deplist)

Special Instructions for SUs contained within Service Pack

There are several SUs which contain special Instructions. Please refer to Table 4 for details.

AMS SP Installation Special Instructions for AMS 7.0

Please find details of AMS QFE installation in chapter 10 of NN43001-407 CS1000_Patching_Fundamentals_7_6

The order of patching AMS 7.0 servers is as follows:

- Ensure that the AMS targets have QFE-platform 1-12 patches and QFE-EM 1 patch applied prior to the SP installation. The QFEs can be downloaded via ESPL. Click here to see details for QFE files.

  To install AMS patches use the following command under admin2:

  maspatch apply </path/to/patch/file> -n

- Extract and Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.23-1.i386.000.ntl)
- Install SP

AMS SP Installation Special Instructions for AMS 7.6

AMS 7.6 does not have an SP so there are no special instructions. However please do note the additional information in the following two sections, which will shortly be updated in the corresponding NTP.

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AMS 7.6 Special Instructions

Notes on migration of AMS 7.0 database with use of an USB flash

In case of necessity to migrate AMS 7.0 database with use of a USB flash drive, appropriate AMS backup files should be copied into “amsinfo” directory on the USB flash drive.

Configuration of SNMP

Since registration in UCM security domains is not supported for servers with AMS 7.6, it is no longer possible to configure SNMP profiles and configure a list of destinations for SNMP traps in the SNMP Profile Manager.

Instead of SNMP Profile Manager, AMS Element Manager should be used for configuration of SNMP traps and SNMP agent. Appropriate settings can be changed on a next AMS EM page:

System Configuration -> Network Settings -> General Settings

For more information on use of AMS Element Manager for configuration of SNMP, please refer “Implementing and Administering Avaya Media Server 7.6”.

In case of necessity to change “System Name”, “System Contact” or “System Location” strings, which are used for identification of a system by network management systems, use ,*basesnmpconfig* command in cli.

In case of necessity to change “Navigation System Name” or “Navigation Site Name” identification strings that are included into SNMP traps from CS1000 Linux Base use *basesnmpconfig* command in cli.

Please note, any changes in AMS EM related to SNMP traps or to SNMP agent should be followed by a reboot of the system. This is required for restart of SNMP related services. The services can also be restarted with use of *basesnmpconfig --restart* command. In this case the reboot can be avoided.

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CS1000 Download and Installation

Download the files listed under **Communication Server 1000 7.6 Service Pack 5/Deplist and AMS QFEs** files from the Avaya ESPL Web site https://espl.avaya.com. These files will be required during the installation of Release 7.6 SP5.

For more information, see "**Installing the Service Pack**" section.

ESPL Service Pack 5 file listing & Avaya Support 7.6 Software Images

ESPL hyperlink	Description	File Name	Size (Mb)	MD5 Check
Communication Server 1000 7.6 Service Pack 5/Deplist, AMS QFEs and DSP loadware. **Note: Links below open only the main page. Select Version 7.6 and specify the content to be downloaded.** **Service Pack 5 New Content.**				
Service Pack 5	7.6. Service Pack 5	SP_7.6_5.zip		
CS deplists SP5	CPPM deplist	CPM_7.6_5.zip		
	CPP4 deplist	PP4_7.6_5.zip		
	CPPL deplist	CPL_7.6_5.zip		
MGC and UDT loadware	MGC and UDT loadware	MGC_UDT_loadware.zip		
MC32S deplist	MC32S deplist	MC32S_7.6_5.zip		
AMS 7.6 image	AMS 7.6 ISO	cs1000-linuxbase-amsx64-7.65.16.26.iso	884.3	5e41210dc6f5f948b32a65292aebf29b
AMS 7.6 image	AMS 7.6 ZIP	cs1000-linuxbase-amsx64-7.65.16.26_cf.zip	867.8	42c6f80313467928a540964c26e1822a
The following SUs must be installed prior to installing the Service pack 5 **Note: These are available from ESPL**				
cs1000-linuxbase-7.65.16.23-1	LinuxBase (install First!)	cs1000-linuxbase-7.65.16.23-1.i386.000.ntl	2.65	80852a3a9842882e0bd36faa832c1240
cs1000-Jboss-Quantum-7.65.16.22-8	Jboss-Quantum (install Second!)	cs1000-Jboss-Quantum-7.65.16.22-8.i386.000.ntl	249	af62645007c1846e8b01d212861b7c98
cs1000-patchWeb-7.65.16.22-4	patchWeb (Install Third!)	cs1000-patchWeb-7.65.16.22-4.i386.000.ntl	13.4	24b3958ccc7d4b25855e85b88eee4b23
cs1000-dmWeb-7.65.16.22-06	dmWeb (install Fourth!)	cs1000-dmWeb-7.65.16.22-06.i386.000.ntl	28.4	9826ad763796a6f92c6dc19d14326ecd
The content carried forward from SP4				
CS1K0000261	MC32S load (7.65.17)	IPL76517.zip	6.89	F9B28DFC1E747A4D1F244F5807A9E785
CS1K0000262	SMC load (7.65.17)	IPL76517.sa	7.96	18A6B090FF048C20DFA8F9A2F18A9699
SMC deplist	SMC deplist	SMC_7.6_3.zip	0.006	4b689e8f119db00c82185fc813d427ef
DSP loadware	DSP loadware	DSP_loadware.zip	10.0	9d2bcaa0f7745ffe5b6d60e3f4f860c7
AMS 7.0 QFEs	AMS 7.0 QFE-	QFE_7.0.0.623.zip	12.67	2a71bad877412bba7a9ba2f81126cd0a

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ESPL hyperlink	Description	File Name	Size (Mb)	MD5 Check
	platform patches #1-12 and QFE-EM patch #1			
Communications Server 1000 7.6 S/W files **Note: In PLDS, select Application: Communication Server 1000 and Version =7.6**				
CS1K0000227	CPPM Call Server	07.65P_B00_P100_M00_CPPM.zip	62.3	B8B97909E3DCE54F023A1A6A6C3D0DC3
CS1K0000228	CPP4 Call Server	07.65P_B00_P100_M00_CPP4.zip	82.6	B2D59771FCCB25964BEA3340D1DBB08E
CS1K0000300	Linux Base	cs1000-linuxbase-7.65.16.22.iso	930	9C256A8771D5667231F9B55D75D341FE
CS1K0000230	Linux Base CF Zip	cs1000-linuxbase-7.65.16.00_cf.zip	929	70352FF88DD51671C5FB1CFC354BCFCF
CS1K0000231	Linux Apps	cs1000-linux-76516-P103-M00.nai	773	BFE8F571E5A18DA7A47741C77BD299AC
CS1K0000301	Linux AMS 7.0	cs1000-linux-mas-76516-P100-M01.nai	856	f0e2314feecd541aa637ccc3ada35679
Communication Server 1000 7.6 BIOS upgrade files **Note: In PLDS, select Application: Communication Server 1000 and Version =7.6**				
CS1K0000110	CPP4 BIOS	cpp4v16.zip	0.298	A3590EFA5D8EC0B7980CB19BDA77B761
CS1K0000111	CPPM BIOS	CPPM_CS_BIOS_UPGRADE.zip	0.361	8D1F957BA07270879CC4B80D5544BA73
CS1K0000274	CPDC BIOS	CPDC_Version_9_BIOS_UPGRADE.zip	0.776	BD9FF4F440CD991D3BC05BEAAF85CE92
Communication Server 1000 7.6 Standalone Tools and Applications **Note: These are available from ESPL**				
DECT MANAGER	Dect Manager-1.01.10680	Setup_1.01.10680.exe	79.5	4468D78218E1F9A41753A3809E73B8CC
DBA TOOLKIT	DBA Toolkit version 2.0.0.9	dbasetup_2.0.0.9.exe	2.9	E8E4854574E0C023AE7F9344692B5435
HEALTH CHECK MONITOR	Health Check Monitor	HealthCheck_01.02.07.00.msi	4.76	9714825e63bf2fb5d203246b65ce5b84
MCM APPLICATION	MCM install zip	MCM-4.50.00.09_install.zip	0.707	69C4F8BC6709E56F95426D9D3A8842A2
	MCM iso zip	MCM-4.50.00.09_iso.zip	0.705	09723274D58F354099720FF17054EA82

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Problems fixed in Avaya CS1000 Service Pack 5

The following are the fixes delivered in Avaya CS1000 7.6 Service Pack 5 software release. These fixes are in addition to the Release 7.6 software load.

Table 1: Fixes delivered to CS1000 Call Server Service Pack 5.

Patches with RED fill have special Instructions which are documented in Table 2.

Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR17588		NT8D09BA (Analogue Message Waiting line card) lock up on paging ports. Software work around only. *** NOTE: THIS PROBLEM HAS BEEN FIXED NT8D09BB PACK ***	y	y	y
MPLR31900		BERR0705 in Task "mocSsh" when joining Core. Unable to connect to CS1000 via SSH. *** NOTE 1: THIS PATCH IS NOT APPLICABLE TO MACH TYPE: CPPL *** *** NOTE 2: CONDITIONAL SPECIAL INSTRUCTIONS. SEE NOTES SECTION FOR DETAILS ***		y	y
MPLR32939		INI every 5 minutes (we are in an INI loop). WARM START IN PROGRESS - Reason 42 . BUG7060 SWD: HARDWARE WATCHDOG INTERRUPT EVENT . BUG7058 SWD: Swd watchdog timer expired on task tLS . SRPT0107 Hardware reset reason = Watchdog L1 . Patch disables semWatch	y	y	y
MPLR33022		realloc will cause infinite recursion and many berr from stack overflow **** FOR CPL ONLY ****	y		
MPLR33033		BUG4244 from MINT_PKG_CLS : MINT_HANDLER : MARKBUSY	y	y	y
MPLR33037	MPLR32488	MERGE: MPLR33037(There is no calling number in D-channel setup message) + MPLR32488(Wrong CLID sent out with TENANT and MobilX) + {FOR 7.5 ONLY} MPLR31824(DANI YES fails to work for transfers to SIP Line sets **** PEP Uses Spare Bit in Message Call Register ****) + {FOR 7.5 ONLY} MPLR32278(MEM215 from nil pointer in ISDN$OUTG_CALL_INIT).	y	y	y
MPLR33051		MERGE: MPLR32916 (AUD130 involving use of IPSET and Blind Transfer operation over SIP VTRK) + MPLR32964 (AUD130 printed with IPSET making calls out over SIP (vTRK) that are redirected via RLI to go out PRI trunks. The VITN_RX_ONLY bit is not being reset to NIL properly)	y	y	y
MPLR33052		No ringback for NACD tandem calls via SIP trunks	y	y	y
MPLR33069	MPLR32529	MERGE: MPLR33069(IP set idle set display not fully restored after displaying RNPG call alert information) + MPLR32529 (Call Alert does not work correctly after Call Transfer).	y	y	y
MPLR33072	MPLR33045	MERGE: MPLR33072 (AUD031, AUD032 related to IVR-TAT scenario are printed frequently ** Not applicable to CPPM and CPPL platforms **) + R7.5 MPLR32192 (TAT Not Working on SIP trunks When ACD Agent Answers After RAN Connects), R7.6 MPLR33045 (MERGE with MPLR33045 (German toll free queuing support to comply with latest TKG Telecom requirements. Broadcasting issue)		y	
MPLR33077	MPLR32854	MERGE: MPLR33077 (GEN: Not possible to forward the originator with five or more digits DN to the CallPilot (also known as ASCOM patch 636) The MPLR24870 is required to activate PI functionality) + MPLR32854 (PI: Enhancements for the PCA feature. To activate PI functionality MPLR20653 is required)	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR33081		PI: SYSTEM SLOW-DOWN / FREEZE or BERR705 due to facility message ping-pong (ACT MPLR15748 activates PI functionality)	y	y	y
MPLR33083		PI: RFC2833:Autodial fails to produce DTMF tones from an IP set over SIP Trunks (to activate functionality MPLR32899 is needed).	y	y	y
MPLR33084	MPLR32578	MERGE: MPLR33084 (Media Services Zone information is incorrect and/or BUG798) + MPLR32578 (SIPL (SIPLINE) telset displays “Remote hold” when far-end user answers the call)	y	y	y
MPLR33086		Aura TR87/CS1000 SIP - Call forwarding or redirectCall/Call Notification v.3.8 - Incomplete notifications	y	y	y
MPLR33090		Displayed Digits getting truncated beyond 16	y	y	y
MPLR33094		Print warning message if manual INI not done after patch activation which requires it. *** NOTE : PatchGlobalVar4 and patchStub06() ARE USED ***	y	y	y
MPLR33096	MPLR32699	MERGE: MPLR33096 (IPRAN: AUD021 and AUD028 (MAINPM = .HALFDISC, QUEUE_IN = .QU_IDLE)) + MPLR32699 (IP Media services ran does not work with Radio paging) + MPLR32599 (When using IPRAN trunk for AUB bloc message, when the IPRAN trunk disconnects the original call also disconnects)	y	y	y
MPLR33097	MPLR32866	BUG105, BUG058, BUG567 after UIPE sends DISC (User Busy) on established call + merge MPLR32866(BUG105 printed for QSIG PRI calls)	y	y	y
MPLR33099		NHC (No hold conference) calls cause BUG266 and key lockup after initial BUG266	y	y	y
MPLR33114		MEM224 and others triggered from valid data, causing corruption.	y	y	y
MPLR33117	MPLR32840	MERGE: MPLR33117 "VNR feature stopped working for Call Forward All Calls and Call Forward No Answer from ZBD based phones" + MPLR32840(ACD Agent Observe fails with ZBD enabled) + MPLR32694 (BUG1500 is printed on the TTY from procedure INVALID_DNTRANS)	y	y	y
MPLR33119	MPLR32980	MERGE: MPLR33119 (SIP LINE call cut off while transfering from attendant over vtrk with NAS enabled) + {for 7.6 sw}: MPLR32980 (No Speechpath when Attendant Connects a Parked Call to a SIP line over Virtual Trunk with TAT Enabled + MPLR30657:(Unable to use agent greeting when call is NodeA -> Attendant-on-NodeB -> ACD-agent-on-NodeA) {for 7.5 sw} MPLR30898 (Customer is not able to forward their phones to some external numbers) + MPLR30215{(BUG266 and call cutoff when an ATTN transfers a NAS call to Mobx) + Merge of MPLR28208(NO-WAY SPEECHPATH on NAS anti tromboning (removing VTRKs) in PRI->VTRK->ATTN->VTRK->IPset connections) + MPLR30215 (BUG266 and call cutoff when an ATTN transfers a NAS call to Mobx)+ Merge of MPLR28208(NO-WAY SPEECHPATH on NAS anti tromboning (removing VTRKs) in PRI->VTRK->ATTN->VTRK->IPset connections)) *** {for 7.5 sw only} SPECIAL INSTRUCTIONS, PLEASE SEE NOTES SECTION FOR DETAILS ***	y	y	y
MPLR33127		2050 and Active Call Failover time. ACF timer should start for PRI/DTI/PRI2/DTI2 trunks in the case of network issues.	y	y	y
MPLR33129	MPLR32778	MERGE: One-way speechpath when calling from SIPL DECT (SIP LINE DECT) + MPLR32778 (No speechpath when Call transferred from Site A to Site B to Site C and back to Site A.)	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR33131		Incoming DASS call with SIC 18 does NOT seize an outgoing SL1/SIP trunk	y	y	y
MPLR33132		BUG5051 printed multiple times, then BUG288 and BUG681 printed	y	y	y
MPLR33134	MPLR32712	MERGE: MPLR33134 (Incoming PSTN faxes on Call Pilot through Virtual Trunk does not work) + MPLR32712 (Call drops after SIPL (SIP LINE) Set complete blind transfer to AACC CDN) + MPLR32586 (IP Media services are experiencing jitter/choppyness when calling to the ACD queue through AAM) + MPLR32536 (Low CCR when running traffic to CDN with agents answer and no answer)	y	y	y
MPLR33137	MPLR32569	MERGE: MPLR33137 "On Hold Indicator for 1110 / 1210 IP sets" (MPLR32282 is required to activate PI functionality) + MPLR32569 "AAOA: Stuck call leg on AAAD in a transfer/conference scenario with 500 agent."	y	y	y
MPLR33138		GF debug level is 2, then call via GF trunks cause BERR705. ***SEE SPECIAL INSTRUCTIONS***	y	y	y
MPLR33141		ld 80 TRAC shows busy for all VGW channels in case of ROUTE 0 configured	y	y	y
MPLR33145		BUG5002 printed frequently	y	y	y
MPLR33146		Enabling SNMP for Off Hook Alarm Security (OHAS)	y	y	y
MPLR33147		CPND NAME NOT DISPLAYED ON SET, AFTER QSIG TRANSFER DUE TO QCTN UPDATE HANDLED BY CS1000 INCORRECTLY	y	y	y
MPLR33152		CS INI with BERR0705 When Changing CLS MSBT/MSNV/MSAW for Unistim or SIPL Set	y	y	y
MPLR33154	MPLR32878	BUG6504 after EOVR camp-on to DCS set + merge mplr33115 BUG6504 for DCS (DECT) call scenarios; 500 set flashes then onhook while DCS rings, or DCS presented to ATTN by ARC and then cancelled + merge MPLR32878 BUG6504 for campon to DCS	y	y	y
MPLR33156	MPLR32871	MERGE: MPLR33156 (BUG865 appears when making virtual trunk call using one way hotline key) + MPLR32871 (BUG865 is shown on TTY when BRI EXT is calling over SIP trunk to any set)	y	y	y
MPLR33157	MPLR32603	MERGE: MPLR33157 (BUG4006, BUG359, AUD017/AUD018 messages are printed while a CFNA call from 500 set to an external busy caller via EURO ISDN is re-ringed back to the same 500 set) + MPLR32603 (PI: SECOND LEVEL FORWARD NO ANSWER NOT WORKING WITH FORWARD ALL CALLS. Install MPLR24290 to activate PI functionality)	y	y	y
MPLR33159		Unable to synchronize CS clock from SS by NTP with secure mode *** NOTE: Not applicable for CPL ***		y	y
MPLR33162		SYS4439 is printed on sysload with a corrupted database ** REFER TO SPECIAL INSTRUCTIONS **	y	y	y
MPLR33163	MPLR32673	MERGE: MPLR33163 Phantom Network call not cleared in AACC Application RTD + MPLR33101 OCS non-MARP TN acquired by ACR through AMLFE doesn't indicate about active call + MPLR32673 Cannot answer the second call and BUG330 is displayed when Call Waiting is enabled on SIPDect user *** REFER TO SPECIAL INSTRUCTIONS ***	y	y	y
MPLR33172		SIP DECT HOT key stuck when XFER to UIPE Invalid/BUSY UIPE DN	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR33174		MEM0214 Memory corruption during memory dump after upgrade from 5.0 to 7.6.	y	y	y
MPLR33175		Incorrect bandwidth calculation in case of SIPL-SIPL call.	y	y	y
MPLR33180		MWI is not transferred from DPNSS to Virtual trunks if GR "controlled load sharing" feature is used.	y	y	y
MPLR33182		AAAD gets stuck in the call when ATTN drops the consultation using Rls Source key	y	y	y
MPLR33184		Unregistered IP Phone Notification & Treatment option does not FNA immediately	y	y	y
MPLR33185		SIP Line user gets disconnected after call pick-up DISA call	y	y	y
MPLR33186		TMDI is not enabled automatically after network failure	y	y	y
MPLR33191	MPLR32890 MPLR32941	MERGE: PI: Provide Media Security for analog sets over SIP VTRK + (MPLR32890 RTP only between Sigma and analog phone even if SRTP is offered) + (MPLR32941 SIPL (SIPLINE) telset displays "Remote hold" when pressing transfer key.)	y	y	y
MPLR33192	MPLR33006	ERGE: MPLR33192 (Unicode Name Display (UND) does not display correct names in some cases) + MPLR33006 (No-Way or One-way Speechpath when Calling over Virtual/PRI Trunk or Locally to MADN PCAs pointing to SIPL,IPL and TDM sets) + MPLR32931 (No Speechpath for Incoming Call to MADN of Unistim IP Set & SIPL When Unistim Set Answers) + MPLR32687(BUG253 message is printed on TTY) + MPLR32581 ONE-WAY SPEECHPATH for PSTN Calls To SIPL (SIP Line) or Mixture with Other Set Types Via PCA)-	y	y	y
MPLR33194		PI: Allow DRC key control TIE route ** contains inactive PI functionality, MPLR23646 is the PI enabler **	y	y	y
MPLR33202		ELC (Extended Local Calls): The call is local in some ELC TDM (500) sets	y	y	y
MPLR33206		BUG1366 and PRI channel hung in tandem call scenario	y	y	y
MPLR33210		UDT card reboots due to receiving phone SSD message	y	y	y
MPLR33213	MPLR32738	MERGE: MPLR33213(Zone based routing does not work for DCS (DECT) sets + ERR648 message is continuously printed on CS TTY) + MPLR32738(ZDP prefix is not inserted in dialed number for DECT set with call forward activated) + MPLR32532(DECT set is not working after call if call forward is activated)	y	y	y
MPLR33223		PI: Adding an ability to change value of T304 timer. To activate PI functionality MPLR33225 is required ***REFER TO SPECIAL INSTRUCTIONS***	y	y	y
MPLR33224	MPLR32550	MERGE: MPLR33224 (No speech path on some IP sets after consultative transfer is completed over SIP trunk) + MPLR32550 (Can not make call after enabling ZALT and changing bandwidth of BMG zone (in MO) with type of BO-MGC's zone is MO) + MPLR32538 (In a MO and BO set-up, the speechpath is of poor quality on the MO registered BO ACD Agent sets).***REFER TO EXTERNAL NOTES***	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR33226		BUG1365 from BUG_PARMS : STATE_STD_BUGMSG : U10_I_TO : PRA_T2_TIMEOUT :..: UIPE_CC	y	y	y
MPLR33229	MPLR33015	MERGE: MPLR33229(Speech patch is cut off after pager sound when an external call is established with DECT set) + MPLR33015(Modem call failing when tandeming through tertiary CS1K via PRI) + MPLR32478(Parties in a monitored call cannot hear from the supervisor when MAS IP Conference is used)	y	y	y
MPLR33231	MPLR32656	MERGE: IP Conference loops are not registered on Call Server but active on Signalling Server. (+ MPLR33080 MERGE: After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server (+ MPLR32656 Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.)) ***REFER TO SPECIAL INFORMATION***	y	y	y
MPLR33232	MPLR33215	MERGE MPLR33232(PI: AAEP issues (PROGRESS / ALERT and EuroISDN). MPLR32508 is a PI enabler to activate the patch functionality.) + MPLR33215(Inconsistent handling of NPI and TON causes loss of CLID on tandem call)	y	y	y
MPLR33237		Memory leaks from the protected heap during Warm starts.	y	y	y
MPLR33238		UDT card restarts due to attendant slow answer recall	y	y	y
MPLR33239		Bandwidth leak due to timing race during MCDN TAT triggered by SIP REFER	y	y	y
MPLR33241	MPLR32993	MERGE: CS1000 phone does not display the name of CM caller until the call is answered + MPLR32993 Incorrect CLID (trunk ACOD instead of originator's number) on terminating set after blind transfer over ISDN trunk	y	y	y
MPLR33252	MPLR33057	No speech path when TDM set retrieves a call over H323 trunks from HOLD due to codec mismatch.	y	y	y
MPLR33260		Incoming intercom (HOT I) call is forwarded to FDN with MWA FNA CLS irrespective of FICD CLS	y	y	y
MPLR33264		SMG->CPMGS->ALTERNATE CALL SERVER 2->SRPT315 CS is not able to recover HeartBeat link with MGC Cabinet	y	y	y
MPLR33269		Microsoft Office Communicator client is stuck after Call Transfer	y	y	y
MPLR33270	MPLR33075	Increase SDP size - Twinned Flare 1.2 answering AAC dial out call does not get video *** MPLR33270 replaces MPLR33075 ***	y	y	y
Patches carried forward from SP4					
MPLR25747		Plugin 35 causes one-way speechpath on Orion/Aries sets	y	y	y
MPLR31107		Park Recall display is not working correctly. Recall display should show SPRE+71 Park DN display is showing trunk access code or clid	y	y	y
MPLR31276		BUG030 printed, for calls over tandem DTI - TIE routes.	y	y	y
MPLR32192		FOR R7.5 ONLY MERGE: TAT Not Working on SIP trunks When ACD Agent Answers After RAN Connects + MPLR30896 (Customer is not able to forward their phones to some external numbers + MPLR30346 (MCDN TAT scenario causes BUG6504 and lost speechpath) *** SPECIAL	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
		INSTRUCTIONS, PLEASE SEE NOTES SECTION FOR DETAILS ***) FOR R7.6 ONLY MERGE: TAT Not Working on SIP trunks When ACD Agent Answers After RAN Connects + MPLR32710 (CS1K does not forward CCMP INFO message from flare to AAC + MPLR32609(IPV6-SIPL (dual stack) can't hear greeting message to leave voice mail on CallPilot mailbox.)) + MPLR32466 (CS1K Collab Pack & AAC integration) + MPLR32609 (IPV6-SIPL (dual stack) can't hear greeting message to leave voice mail on CallPilot mailbox.) + MPLR32597 (TELSET A calls TELSET B, blind transfer to SIPL, FNA to another SIPL, is not working if SIP trunks are used.) *** REFER TO SPECIAL INSTRUCTIONS FOR MORE INFORMATION ***			
MPLR32398		BUG302 (BUG0302) from TNTRANS : QPR_ACT_IND : QPR_DEC_FAC : QPR_HANDLER	y	y	y
MPLR32501		First letter of CLID is not displayed	y	y	y
MPLR32654		Unable to deactivate deplist for CPPM cores call server via Patch manager. ***SPECIAL INSTRUCTIONS***. Applicable only for CPPL platform.	y		
MPLR32753		BUG098 in SET_ROUTE_PTRS called from BCS_SNR	y	y	y
MPLR32832		BERR705 from procedure INTERCPT$SET_ROUTE_CUST from procedure ESA_TERM	y	y	y
MPLR32849		SORM: Sometimes message 7 result is 2 for command 5	y	y	y
MPLR32877		BUG4244 with package 411 on and busy agent marked idle. Invalid BUG4244 from PRA_CALL_VALID	y	y	y
MPLR32885		Wrong Name is sent in CT Complete message on transfer of R2MFC	y	y	y
MPLR32904		AFS sessions stuck on CS (Security Domain and Backup Rules issues, SRPT316, SRPT4640)		y	y
MPLR32910		Unable to release call from Attendant on Avaya Aura Agent Desktop client	y	y	y
MPLR32917		The /e partition is inaccesible because limit of opened files is reached.	y	y	y
MPLR32919		INI after multiple BERR0705 in tvtServerRx	y	y	y
MPLR32923		AUD126 BUG359 and Possible Crosstalk When TDM calls SIPL via CallPilot	y	y	y
MPLR32925	MPLR32669	MEM224 Caused by CallPilot transfer to 2009 set	y	y	y
MPLR32929		Call Park DN not being displayed when recalled to ATTN	y	y	y
MPLR32930		BUG253 1420 21 00000000 during camp-on	y	y	y
MPLR32936		VTRK call are rejected with cause "MSG NOT COMPATIBLE WITH STATE	y	y	y
MPLR32937		ESA call via DPNSS cuts off after LD 44 audit. SRPT4653 AUD017 AUD018 PRINTED	y	y	y
MPLR32947		Call Server Time Drift. System time is not accurate. *** NOTE 1: For CPPM REFER TO SPECIAL INSTRUCTIONS. NOTE 2: NOT APPLICABLE FOR CPL. NOTE 3: PatchGlobalVar1, PatchGlobalVar2, PatchGlobalVar3 and		y	y

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		patchStub00() ARE USED.***			
MPLR32951		AUD335 printed from incoming (.CSL_GMTS = GET_MULTIPLE_TN) CSL messages	y	y	y
MPLR32956		CS1K SIP phone can't hear custom ringback tone when TRO feature is activated	y	y	y
MPLR32963	MPLR32331	When SIPL (SIPLINE) Set calls an unreachable number over EUROISDN trunk, ringbacktone is heard instead of announcement	y	y	y
MPLR32970		DECT call to local digital set is dropped after some time.	y	y	y
MPLR32971		INI after BERR705 in SEARCH_PUID called from UPD_PUID_TNLIST	y	y	y
MPLR32973		BUG105 and BUG4005 printed from abandoned incoming PRI call to a PCA	y	y	y
MPLR32975		LD 23: ACD; ALOG=YES CAUSES AGENTS NOT TO BE ABLE TO LOGIN	y	y	y
MPLR32988	MPLR32509	MERGE: MPLR32988 (MWI rejected when tandem from QSIG to MCDN) + MPLR32509 (Call Registers become locked-up with MAINPM = h.0C (.SPECIAL) and AUXPM = h.34 (.PRA_TCAP_CR). TCAP message call registers are not idled.)	y	y	y
MPLR32989		BUG420 (DPNSS) and related AUD014	y	y	y
MPLR32990		CLID is not shown on terminating set if originating and terminating sets are in different numzones	y	y	y
MPLR32992	MPLR32945	MERGE: MPLR32992 (BUG253 appear on the TTY) + MPLR32945 (BUG4001, BUG4005 prints out when DTMF send too fast)	y	y	y
MPLR32997		Zones report (TFS0016) format was changed. The new format has dropped the fields INTRAZONE and INTERZONE.	y	y	y
MPLR33000		BUG865 printed when set with no key 0 receives VTRK call. Correct CLID in notify for ZBD (zone based dialing) sets with multiple different DN keys.	y	y	y
MPLR33008		ESA and Subnet LIS Configuration: force an emergency call through the fallback subnet 0.0.0.0 *** REFER TO SPECIAL INSTRUCTIONS ***	y	y	y
MPLR33014		BUG6034 and associated BUG5763 are printed for DPNSS Call Intermittently	y	y	y
MPLR33016		One-way speech path when UNIStim phone calls SIP phone, the UNIstim phone or analog phone gets the call by Pickup feature	y	y	y
MPLR33017		Transfer does not work from digital telephone to SIPL Phone on CS1000M.	y	y	y
MPLR33023		Controlled load sharing: IP phone not registering back to home system when it's back online	y	y	y
MPLR33025		KEM keys are not printed out in ld20 in case of TYPE=ISET.	y	y	y
MPLR33027		No speech path at Orig SIPL(SIP LINE) phone in IP Conference call when 3 SIP Line parties use IPv6.	y	y	y
MPLR33028		BUG1500 from NUM_DN_MEMBERS :..:GET_CONNECTED_#:..:QCTN_HANDLER	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR33030		BUG5005 from NAS_DECODE : CHECK_FOR_NAS : PRA_DIALING : PRA_MAINPM : IN_SETUP_MSG :..: ISDN :..: PRA_HANDLER during MCDN/DPNSS call forward scenario	y	y	y
MPLR33031		Plug-in 232 does not work properly in some call scenarios	y	y	y
MPLR33032	MPLR33011	MERGE: MPLR33032 + MPLR33011 ACD Agents go NRD (NOT READY) because not enough bandwidth for call between Caller and ACD Agent (ACT MPLR26995 activates PI functionality)	y	y	y
MPLR33034	MPLR32660	MPLR32660 for R7.6 affects LNR feature on external calls when ZDP is used.	y	y	y
MPLR33039		BUG489 when ATTN dials ACD queue from DEST	y	y	y
MPLR33041	MPLR32421	MERGE (FOR 7.65 RELEASE ONLY!): 'Not Ready - No Call Disconnect' request not working correctly on system with package 411 (.ABR_PACKAGE) enabled + MPLR32421 (7.65 Rel. PI PEP)	y	y	y
MPLR33049		A leak of file descriptors ("unbound" sockets)	y	y	y
MPLR33053		No speechpath for QSIG to PRI NI2 trunk with manual AUTH code configured *** NOTE: SPECIAL INSTRUCTIONS (which ONLY apply for R7.5, not for 7.6): Make sure that mplr32866 is in service ***	y	y	y
MPLR33055	MPLR32894	MERGE: MPLR33055 (Set shows double CLID once the DTI2-R2MFC call is answered) + MPLR33050 (PI: SCCS: MCA DOES NOT SHOW CORRECT CLID DISPLAY (ACT MPLR16474 activates PI functionality)) + MPLR32894 (No caller info displayed on set display after answer of a non-prime DN Key) + MPLR32448 (M3904 call log not saved for upper keys answered by handset with IRA class)	y	y	y
MPLR32014		GROUP HUNT / PLDN: Check for corruption between GHT list and members to the associated telsets group hunt data block. AUD112 ERR8985 seen as symptoms of this problem.	y	y	y
MPLR32066		QSIG Path replacement fails to work in the case of tromboning.	y	y	y
MPLR32262		No Music On Supervised Transfer To ACD DN	y	y	y
MPLR32290		OVL 117 : PRT DNIP of DN gives improper result	y	y	y
MPLR32344		Print queue can become blocked due to an invalid DCH number within the DCH message monitor output information.	y	y	y
MPLR32383		Attn Through Dial does not work for SIP Dect sets	y	y	y
MPLR32412		AUD0120 causing cut off calls on SIPL (SIPL LINE) Sets + [For Rls 7.0 only] MPLR29935(BUG749 I1: Call scenario involving incoming trunk call to attendant and attendant does a blind transfer to IP sets.)	y	y	y
MPLR32445		CDR: Phantom DN is not printed in CDR in case of CFW all calls to call pilot	y	y	y
MPLR32454		IP DCH Enabled On Its Own After It was Manually Disabled in LD 96	y	y	y
MPLR32461		ZFDP rules doesn't work as expected	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR32467		Service messages for UIPE are both: - Not sent (ALERT sent instead) and result in BUG253, BUG5501 and BUG5570. - Fail to handle far end acknowledge timeout failures.	y	y	y
MPLR32469		Call not presented to ACD agent because agent reserve timer times out after ~200 ms instead of 3 sec	y	y	y
MPLR32475		Stuck Contact when Agent1 does a consult transfer but doesn't complete transfer	y	y	y
MPLR32492		Calls fail from RefClient Avaya Aura Agent Desktop(AAAD) when ZBD is active.	y	y	y
MPLR32496		BUG0302 (BUG302) from TNTRANS : CDRX_SETID : CDR_RECORD : CDR	y	y	y
MPLR32519		ERR210 from CDR_ON_TRK : CDR_RECORD : CDR	y	y	y
MPLR32526		ld 117 does not allow use of FQDNs instead of IPs for LDAP Server in CHG LDAPSYNC command *** PLEASE REFER TO SPECIAL INSTRUCTIONS ***	y	y	y
MPLR32552		re-work of the mplr32495(SIP CTI aquired set can not make outgoing calls)	y	y	y
MPLR32553		PLUGIN 27 getting disabled after call server INI if PKG 366 is restricted, PKG 409 is unrestricted	y	y	y
MPLR32556		INI after BERR0705 and BUG7062, BUG7058 on RPT log when SIPL set completes conference call using MGCONF	y	y	y
MPLR32564		DCH recovery slow on MSDL DCH with Package 418 equipped	y	y	y
MPLR32571		AUD200 corrupts ESA call display of caller identity, Also AUD201 and AUD208	y	y	y
MPLR32582		BUG266 when call from 500 set to ISDN trunk is blocked by NFCR and intercept treatment is RAN route	y	y	y
MPLR32589	MPLR32543	MERGE: MPLR32589 (Add vcm traces for Media Services in callLog tool.) + MPLR32543 (There is one-way speech path when MOB-X Set does conference with TDM Set over Virtual Trunk.)	y	y	y
MPLR32607		INI after BERR0705 From IOWRITE:..:WRITE_SERV_CIRC called on CS1000E	y	y	y
MPLR32626		Not all CLID digits are displayed with plugin 226 *** SHOULD BE USED TOGETHER WITH MGC PATCH MPLR32627 ***	y	y	y
MPLR32638		pdt> ple 236 Response comes back that plugin is not supported This patch converts fix from patch MPLR25106 to a plugin (plugin 236) *** NOTE: SEE NOTES FOR SPECIAL INSTRUCTIONS ***	y	y	y
MPLR32674		SIPL uext is locked after calling to unreachable cellular phone number via EuroISDN	y	y	y
MPLR32676		Contact centre call getting dropped when reaching agent	y	y	y
MPLR32701		TTY0018 FD -1 messages being printed frequently	y	y	y
MPLR32702		DST Inactive on wrong date		y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR32704		BCC (EM) Courtest Change with KEM attached to IP phone doesn't work properly	y	y	y
MPLR32708		DTMF tone generated from CCT reference client affects CDR output	y	y	y
MPLR32713		INI after BERR0705 from INCR_VGW_UNIT:..:SCPRTXXX when LD 20 PRT of PRI2 loop is attempted.	y	y	y
MPLR32718		INI after BERR0705 from INCR_VGW_UNIT:..:SCPRTXXX when LD 20 PRT of PRI2 loop is attempted.	y	y	y
MPLR32723		BERR0705 in timeoutService task	y	y	y
MPLR32726		EUROISDN DCH going down after DTA103, WITH ECTO (EXPLICIT CALL TRANSFER) FEATURE	y	y	y
MPLR32731		CALL REGISTER LOCKUP: MAINPM = 0C (.SPECIAL) AUXPM = 34 (.PRA_TCAP_CR)	y	y	y
MPLR32733		Concurrency Sustaining: TOOL MANAGEMENT. ** using U_JUNK_WORDS[199] **	y	y	y
MPLR32734		Concurrency Sustaining: Add the rpt (report log) record at midnight if lampaudit is turned off	y	y	y
MPLR32735	MPLR32619	MERGE: MPLR32735 Unable to make outgoing calls to some international numbers (rework of MPLR32605) + MPLR32619 "UNABLE TO MAKE OUTGOING CALLS TO SOME INTERNATIONAL NUMBERS" (7.6)	y	y	y
MPLR32736		BUG392 printed. Related to CDR.	y	y	y
MPLR32742		LD 43 EDD fails with EDD039 message after upgrade from Option 11C database with release prior X11 25.15 to CS1000E. *** Special Instructions, Please see External notes ***	y	y	y
MPLR32744		On 1140E KEM, adding a Label to 2nd page also replaces 1st page label. SPECIAL INSTRUCTIONS*** SEE EXTERNAL NOTES	y	y	y
MPLR32748		LD 97 CHG; SUPL; gets stuck at IPR0/IPR1. Failed to change information of empty IPMG associated with TN.	y	y	y
MPLR32760		Command 5 execution result is NOK for numbers without national number access prefix.+ Message 1.4 does not contain the number of party C in the consultative call transfer scenario, AUD031 and AUD032 messages are printed during SORM operation	y	y	y
MPLR32761		Empty/wrong pswv in ld22 and "upgmg stat x x" in ld143 outputs when MPLR32257 is installed.+ MPLR32257(Corruption of files or directories causes an IPMG failure to register.)	y	y	y
MPLR32771		DATA RDUN fails during midnight routines *** NOTE: Not applicable for CPL ***		y	y
MPLR32773	MPLR32716	MERGE: MPLR32773 (R7.6 Concurrency Sustaining: Diagnostic for BUG266 call scenarios. ** using U_JUNK_WORDS[197-198] **) + MPLR32716 (BUG759 and BUG467 messages printed a lot) *** Special Instructions, Please see External notes ***	y	y	y
MPLR32776		Can not complete conference if the AG is not ended at the agent who receives that conference call	y	y	y
MPLR32780		BRIL DSL units stay in MBSY state after MGC reboot.	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR32782		R7.6 Concurrency Sustaining: Diagnostic for AUD017/AUD018 call scenarios. ** using U_JUNK_WORDS[195-196] ** *** Special Instructions, Please see External notes ***	y	y	y
MPLR32794		Redirection number does not contain the first digit for forwarded call	y	y	y
MPLR32796	MPLR32697	MERGE: MPLR32796 (Interzone bandwidth is updated incorrectly in the first local conference after coldstart CS on CORES.) + MPLR32697 (Bandwidth table is updated incorrectly, when blind transferring is performed with ELC enabled.)	y	y	y
MPLR32797	MPLR32511	MERGE: MPLR32797 (PI: Changing the cause code when the call gets rejected due to FOPT + PI: Disable FOPT timer for Phantom TNs only.**ACT MPLR30868 activates PI functionality) + MPLR32511 (BRIL: BUG253 from COULD_BE_ORBIT : CFW_TRK_TO_TRK : ELIGIBLE_ENTRY : NARS_MODULE)	y	y	y
MPLR32801		Cannot configure remote call forward to external DN when ZBD is active	y	y	y
MPLR32809		"Remote Hold" displays on SIPL set which is selectively disconnected from conference.	y	y	y
MPLR32812		BUG6504 and BUG330 when attn releases a disconnected SIPL	y	y	y
MPLR32818	MPLR32457 MPLR32847	MERGE: MPLR32818 (ERR132 is printed during consultative call transfer completed by SIPL client if CR_CLEAR_FLAG is set) + MPLR32847 (Blind Transfer by SIPLine DECT Set: no music on hold during call held and there is no speech path after the call is retrieved) + MPLR32457 (Call is dropped when SIPline blind transfers via SIP trunk to CS1K phone that CFB to Call Pilot)	y	y	y
MPLR32819		Unable to replace MGC loadware in Patch Manager if another loadware version is already installed.	y	y	y
MPLR32821		Command "stat tty" fails if previous command "stat xsm" is completed by typed "*"	y	y	y
MPLR32827		Route ID is displayed on MobX instead of caller ID	y	y	y
MPLR32828		SIGMA_CLID path uses RDL data space on 500 set to store DN of PHTN that it DCFW to. Similar to MPLR22891(ACT MPLR25180 activates PI functionality)	y	y	y
MPLR32830		CallPilot (call pilot) port stuck after unknown conditions (status IDLE in LD 32 but it is not possible to terminate call on agent).	y	y	y
MPLR32831		SIPL Dect user doesn`t hear ringback when calling by RPAX FFC	y	y	y
MPLR32836		ELC:Incorrect bandwidth reservation for conference local interzone call between SIPL set and TDM, Unistim sets using G.711	y	y	y
MPLR32844		SIP Line phone cannot retrieve the first call	y	y	y
MPLR32848		MEM303 printed when LD 10 CHG of 500 type sets when site has been upgraded from CS1000 6.0 sw. *** NOTE: SPECIAL INSTRUCTIONS. SEE NOTES SECTION FOR DETAILS ***	y	y	y
MPLR32855		R7.6 Concurrency sustaining: AUD031 AUD032 messages are printed. Patch saves RAS for junctor set/clear ** SEE SPECIAL INSTRUCTIONS ** ** U_JUNK_WORDS[193-194] ** ** Applicable for CS1000M-MG (CPP4) only		y	

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
		**			
MPLR32858		R7.6 Concurrency sustaining: Store the GF Error Log in the RPT log.	y	y	y
MPLR32863		Calls via PRI2 trunks are dropped after INI of Call Server	y	y	y
MPLR32865		UNIStim user hears short noise when the call is retrieved from MOH **********REFER TO SPECIAL INSTRUCTIONS**********	y	y	y
MPLR32869		Unexpected AML messages when CH (Conference-Hot Line) key is in use on controlled set)	y	y	y
MPLR32870		CS1k is deleting starting digits from the dialed number and sending it to AACC Over AML link in CRS message."	y	y	y
MPLR32872		Attendant auto dial (ADL) key causes FHW000 LOOP RESPONSE TIME OUT and BERR0300 BERR0600 *** NOTE: THIS PATCH IS APPLICABLE TO MACHINE TYPE: CPP4 ONLY ***		y	
MPLR32874		LNR doesn't work for some NARS calls with ZBD enabled	y	y	y
MPLR32883		UCM does NOT give a validation error when adding AAK key	y	y	y
MPLR32886		INI after BERR0705 in GF related code from CalledPartyNumberIEP22ConnectionOrientedPathRi : ONCallSetupP10HeaderInfoP22ConnectionOrientedPath	y	y	y
MPLR32888		System slowdown/freeze related to TTY output, due to calling logputline with in proper parameters.	y	y	y
MPLR32889		Intermittently CLID (calling line ID) is missing on outgoing leg of call after a Thru-dial via callpilot menu	y	y	y
MPLR32895		Calls to ACD agents drop (call disconnect) unexpectedly; BUG359/BUG342 printed. *** NOTE: SPECIAL INSTRUCTIONS. SEE NOTES SECTION FOR DETAILS ***	y	y	y
MPLR32922		INI after BERR0705 from vcmSendFarCmd : vcm_rxNearWaitDsc_farOpenRx : vcmRxFSM : VCM_PROCESS_MSG : VCM_AUDIOCAP : .. : VCM_HDLR	y	y	y
MPLR32942		Tpt commands "Addw" and "Addrw" don't work correctly. (Not applicable for VXELL)		y	y
MPLR32954		rptbug can be turned on for a wrong BUG/ERR number	y	y	y
MPLR32957		Channel of TDM trunk is LCKO after performing disable then enable.	y	y	y
MPLR31127		DPNSS -> MCDN (PRI): BUG9178 tandeming gateway Supp Service messages e.g. MWI.	y	y	y
MPLR32097		For invalid DNs, CS1K generates DN Registration Response with new cause value 0x35	y	y	y
MPLR32136		When an acquired ACD 500 set's transfer is answered no USM (active) AML message sent.	y	y	y
MPLR32144		DIAG0004 Diagnostic - p1=0x31623b messages in rpt log	y	y	y

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MPLR32173		If a phone has CFW activated, only 10 digit are sent from CS via AML-Link/MLink to 3rd Party. Other digits get truncated.	y	y	y
MPLR32214		When upgrading or installing keycodes on offline CPU OSDN data saved in erl.db is lost on sysload and could not be added back	y	y	y
MPLR32232		Duplicate and garbage digits dialed to the CO using analogue port on the ROU9150.	y	y	y
MPLR32297		With package 418 Reboot of follower PRI span results in reset of the Primary DCH MSDL	y	y	y
MPLR32303	MPLR32657	MERGE: MPLR32303 (Call Pilot port (M2008 ACD agent) is "locked") + MPLR32657 (MEM0220 from CORRECT_HEAD : TRUST_VTAIL : HEADER_VALID : MEM_BLK_FIND : MEM_ADDR_CHECK followed by INI after BERR705, when Analog (500) telset calls SIP telset, puts the answered call on hold, calls an IP set and completes the conference.)	y	y	y
MPLR32304		MSDL0304 triggered by service messages in LD 30 DROL	y	y	y
MPLR32322		Removing then creating same CEQU E1 or T1 loop causes MEM303, corruption and INI.	y	y	y
MPLR32333		System does not back up the CpDir.csv file from Main CS to Sec CS *** NOTE1: Patch uses patchStub78 ***	y	y	y
MPLR32339		No speech when SIPL Polycom wireless sets call to CDN queue	y	y	y
MPLR32343		Fail to deactivate patches for stand alone CPPM call server rls7.50Q via Patch manager. *** Not Applicable for Machine Type VxELL/CPL *** REFER TO SPECIAL INSTRUCTIONS ***		y	y
MPLR32379		Transfer causes lockup of XCOT trunk to trunk connections	y	y	y
MPLR32380		Zone time forward one hour for Atlantic from Eastern time without DST does not work after 7.5 upgrade	y	y	y
MPLR32381		ATTN Extended calls sometimes do not produce CDR records	y	y	y
MPLR32382		BUG092 printed, associated with EUROISDN route.	y	y	y
MPLR32397		INI after BUG7058 after failed GSCPU + BUG8020	y	y	y
MPLR32410		MERGE: MPLR32410 (MEM221 error header words EFEFEFEF, 6, 5, 0, tail word 0 9EDE s/b 9EFE) + MPLR31750 (Unable to use Call forward on boss set with BFS feature, when BOSS is an analog set) *** Special Instructions, Please see External notes ***	y	y	y
MPLR32413		PI: New reason for AACC USM(Unringing) at an IVR Port when an agent becomes available. To activate PI functionality MPLR30038 is required	y	y	y
MPLR32416		ECNT DSP 15 - no reports are printed for the bottom of the hour.	y	y	y
MPLR32418		PI: prevent the activation of call forward all calls via AC2 + number. MPLR09810 should be installed to activate PI functionality.	y	y	y
MPLR32439		AACC USM Ringing event is missing if the call goes back to SCR of the original agent /RGNA feature	y	y	y

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Patch Id	Previous Version	Patch Title	CPL	PP4	CPM
MPLR32516		Plugin# 234 is disabled automatically after modifying the sets using LD 11	y	y	y
MPLR32517		AAOA 6.2: Go NotReady when active on CDN call, agent stuck active on Real Time Display	y	y	y
MPLR32518		INI after BERR0705 from bwmGetMASelementFromList	y	y	y
MPLR32534		IP MEDIA SERVICES: INI after BUG7058 SWD WATCHDOG when doing LD 117 : stat serv when have IP ATTENDANT configured on the system	y	y	y
MPLR32540		Bulk Provision failed to transfer data block RDB to destination CS	y	y	y
MPLR32555		BUG6507 is printed on CS1000M during NSBR scenario	y	y	y
MPLR32558		When XLST setting points to pre-translation/SCL that blocks certain prefixes, if the SIPL route ACOD prefix matches, calls to SIPL will be blocked.	y	y	y
MPLR32562		PI: Feature Operation Failure FFC RPA code does not work on 500. ACT MPLR10373 activates PI functionality	y	y	y
MPLR32572		MPLR32452 (BUG7058 and INI from BUILDNTPREQUEST) causes NTP to fail. This patch replaces MPLR32452 ***REFER TO SPECIAL INSTRUCTION*** Not applicable for CPL platform		y	y
MPLR32573		SIPL set has MADN failed to join the bridge	y	y	y
MPLR32587		CONFERENCE AND TRANSFER BUTTONS DISPLAYED (WHEN THEY SHOULD NOT BE) ON CALLED TELSET, AFTER SIPL TELSET MAKES A SECOND CALL TO THAT TELSET	y	y	y
MPLR32591		DTMF not being passed when call is connected through Avaya Aura Messaging	y	y	y
MPLR32594		PI: SECURITY CHECK ON DID/CO TRUNKS. Install MPLR21988 to activate PI functionality	y	y	y
MPLR32596		MPLR32596 - CS1000M crosstalk when SIPL is used with Music-on-hold	y	y	y
MPLR32602		PI:NO MAILBOX REACHED WHEN CALL TO MOBILE PHONE IS REDIRECTED TO VOICE MAIL ACT MPLR13860 activates PI functionality	y	y	y
MPLR32606		SIPL MSAW failed to blind transfer the call to another SIPL MSAW	y	y	y
MPLR32613		Inactive PI: No TRO when call diverted to rpa DSC 18 or 10. ACT MPLR22854 activates PI functionality	y	y	y
MPLR32615		MobileX cell phone user cannot do the call transfer if the 2nd call is to Call Pilot (while greeting is played).	y	y	y
MPLR32616	MPLR32584	Prevents CPPM/CPP4 INI after BERR0705 from accountSL1PrivLogoutTimeGet:..: ACOUNT_sl1:ACCLOUTG		y	y
MPLR32623		Prevent corruption of data through the use of service change overlays 58 (RPA) and 79 (VNS) within multi user login environment. *** NOTE: SPECIAL INSTRUCTIONS. SEE NOTES SECTION FOR DETAILS ***	y	y	y
MPLR32628		INI after BUG7058 SWD WATCHDOG, AFTER MEM401, MEM215, data corruption from PROCEDURE PROG_CFW	y	y	y
MPLR32640		BUG5835 appears when ACD agent presses MSB and NRD immediately		y	y
MPLR32658		SIP DECT TELSET gets busy tone when Speed Dial feature is used by SSPU	y	y	y

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		FFC code			
MPLR32659		Element Manager Error: There are no Trunk steering codes in the range specified. (H8002) in EM due to unequipped package 290 CCB (collect call blocking)	y	y	y
MPLR32662		Downloading loadware to msdl takes long time	y	y	y
MPLR32665		FastSync feature does not identify whether changes came from EM (Element Manager) or were entered manually in Call Server LD 95	y	y	y
MPLR32671		PI: SAR(overlay 88)/ICR(Incoming Call Restriction) *** NOTE: ALSO KNOWN AS ASCOM PATCH 239 *** ACT MPLR21285 activates PI functionality	y	y	y
MPLR32675		UEXT/SIPL TELSET unable to de-activate call forward using ffc code, if configured as MARP.	y	y	y
MPLR32689		BUG1500 when calling busy trunk route	y	y	y
MPLR32692	MPLR32493 MPLR32617	MERGE: MPLR32692 (INI caused by BERR0705 and Exception in the "tRstTask" task) & MPLR32493 (Configuration Capture Tool stops capturing logs) & MPLR32617 (While configuring in ld 117, CS1000 may request entering password. User types password but this password gets saved in the Tool log (Configuration Capture Tool) "as is". This is a violation of security requirements.) *** NOTE: PatchGlobalVar0 is used ***	y	y	y
MPLR32700		BUG7058 SWD: Swd watchdog timer expired on task tSL1 after printing data in pdt mode of Cores CS. Patch is applicable only for VXELL platform.	y		
MPLR32758		BUG365, AUD019 conference and TDS CONF loops not releasing	y	y	y
MPLR32423		CS1K1_phone_1 calls CS1K1_phone_2 which CFAC to CS1K2_SIPL through QSIG trunk, no-way speech-path	y	y	y
MPLR32431		Unable to login using SSH on VxWorks Call Server (CPPM, CPP4), MGC and MC32S ****Requires Call Server INI******		y	y
MPLR32444		AACC 6.2 SP7 - Failed to route the network ACD call from CS1000 RLS 7.5 to CS1000 RLS 7.6 over MCDN	y	y	y
MPLR32449		Call Server warmstarts while upgrading loadware on UDT card (NTDW79)	y	y	y
MPLR32491		DECT MSMN (Multi-site Mobility Networking) sets do not work at visitor site	y	y	y
MPLR32503		Poor Voice Quality when sets are redirected over MCDN-QSIG on tandem nodes.	y	y	y
MPLR32522		MEM0217 and MEM222 repeat after removing data blocks	y	y	y
MPLR32523		VTRKs appear stuck in LCKO/MBSY	y	y	y
MPLR32580		Prevent illegal combination of overlays being simultaneously loaded during GR database replication which can then cause corruption	y	y	y

Table 2: Call Server Service Pack (Deplist) Special Instructions

Patch ID	Sysload/INI/ Required	Special instructions

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Patch ID	Sysload/INI/ Required	Special instructions
MPLR31900		CONDITIONAL SPECIAL INSTRUCTIONS: If you have got into this state at a customer site: Unable to connect to CS1000 via SSH. Then the CS1000 will need to be SYSLOAD'ed to recover. Patch MPLR31900 will prevent reoccurance of the problem.
MPLR32192		This patch is merged with MPLR32710 which should be used together with SU cs1000-vtrk-7.65.16.21-49.i386.000 or newer vtrk patch. *** This patch is merged with MPLR32466 which has inactive PI functionality. To enable PI functionality MPLR32477 is required. Software lineup 1. CM version FP2 6.3 Load 120 or newer. 2. CS1K version GA load x210765p and 7.65.16 + following patches MPLR32466 is for call server GEN patch MPLR32477 is MPLR32466 ‘s patch enabler cs1000-vtrk-7.65.16.21-29.i386.000.ntl is for VTRK SU patch MPLR32474 is vtrk's patch enabler *** Tips 1. The CS1K recommended Collaboration pack configuration need to be followed. 2. Make sure there is no SIPS & SIP mix configuration in the deployment, because the CS1K does not support SIPS and SIP mix configuration, if the SIPS & SIP is mixed, the CS1K will reject the call.
MPLR32343		If you would like to deactivate 2 or more patches through GUI Patch Manager do not deactivate this patch with others otherwise the deactivation can failed.
MPLR32410	yes	Patch must be retained invulnerable to SYSLOAD/INI with parameters 0-100-0. Warm Start (INI) is required after patch activation.
MPLR32413		New reason for AACC USM (Unringing) at an IVR Port when an agent becomes available. To activate PI functionality MPLR30038 is required
MPLR32418		PI: prevent the activation of call forward all calls via AC2 + number. MPLR09810 should be installed to activate PI functionality.

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Patch ID	Sysload/INI/ Required	Special instructions
MPLR32431	yes	INI required for patch activation. **For SMC only:** Login to MC32 not using ssh connection(for example via Telnet) and perform the following: SSHS_shutdown sshServerManagerServerStart **Note 2:** Note: The system is vulnerable to this problem until MPLR32431 is installed and activated. The likelihood of occurrence of this vulnerability is quite low if IP Sec is disabled.
MPLR32562		PI: Feature Operation Failure FFC RPA code does not work on 500. ACT MPLR10373 activates PI functionality
MPLR32572	yes	INI required after patch installation. Not applicable to CPL platform
MPLR32594		PI: SECURITY CHECK ON DID/CO TRUNKS. Install MPLR21988 to activate PI functionality
MPLR32602		NO MAILBOX REACHED WHEN CALL TO MOBILE PHONE IS REDIRECTED TO VOICE MAIL ACT MPLR13860 activates PI functionality
MPLR32613		PI: No TRO when call diverted to rpa DSC 18 or 10. ACT MPLR22854 activates PI functionality
MPLR32623	yes	After patch is in-service, the call server requires an initialization (INI) to fully activate this patch. After patch is out-of-service, the call server requires an initialization (INI) to fully deactivate this patch.
MPLR32654		Fix consists of two parts cs1000-cs-7.65.P.100-02.i386.000.ntl and MPLR32654. Both patches must be installed on a system. Do not remove this patch during Deplist deactivation !
MPLR32671		SAR(overlay 88)/ICR(Incoming Call Restriction) PRODUCT IMPROVEMENT *** NOTE: ALSO KNOWN AS ASCOM PATCH 239 *** ACT MPLR21285 activates PI functionality
MPLR32895	yes	There are two possible ways to put the patch in service: 1. It is possible to avoid a CS INI (warm start) and put the patch in service at any time. However in this case there could still be some calls (max 30 per TDS loop) that could be potentially dropped after installation of the patch because of the fact that some VGWs are still not cleared from TDS unprotected loop block. 2. It is recommended to perform a CS INI after putting patch in service to ensure there are no dropped call at all. In this case, it is necessary to perform the patch installation using a maintenance window when the traffic is low.
MPLR32526		For proper activation of the patch it is required to relogin into ld 117, if the overlay is run during installation of the patch. The patch has a limitation: an upper limit on a length of FQDN is 100 symbols.

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Patch ID	Sysload/INI/ Required	Special instructions
MPLR32626		SHOULD BE USED TOGETHER WITH MGC PATCH MPLR32627
MPLR32638	yes	tch makes possible to enable plugin. pdt> ple 236 PLUG-IN 236 IS ENABLED Id 22 REQ:prt TYPE Plugin 236 ENABLED Q01777861 MPLR25106 DTMF for ADL INSTRUCTIONS 0F THE PATCH USAGE: ========== In order the patch brings effect 1)it should be activated as retain patch 2) cold start should be done to CS.
MPLR32674		MPLR32674 patch should be applied with minimum vtrk su: cs1000-vtrk-7.65.16.21-30.i386.000.ntl
MPLR32742	yes	ONLY if upgrading from Option 11C database with release prior X11 25.15 to CS1000E: 1. Upgrade the system to the current release with Default database. 2. Install MPLR32742 invulnerable to sysload: pdt> pload Patch filename? p32742_1.cpm Retain patch (y/n)? [y] y Days patch vulnerable to sysload? [3] 0 In-service initialize threshold? [5] 100 In-service days to monitor inits? [7] 0 Loading patch from "/u/patch/p32742_1.cpm" ... pdt> pins 3. Restore Option 11C database. 4. Perform the cold start to initiate the database conversion.
MPLR32744		It's CS part of fix. Should be loaded with SS patch cs1000-tps-7.65.16.21-06.i386.000

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Patch ID	Sysload/INI/ Required	Special instructions
MPLR32773		MPLR32733 (Tool Management) should be activated. To enable "Diagnostic for BUG266" tool: pdt> PATCH_1 1 2 To disable "Diagnostic for BUG266" tool: pdt> PATCH_1 1 3 To display "Diagnostic for BUG266" tool status: pdt> PATCH_1 1 1 MEMORY REQUIREMENTS: Roughly (NCR * 32) words of unprotected SL-1 memory, where NCR is the number of call registers available in the system.
MPLR32782		To enable "Diagnostic for AUD017/AUD018" tool: pdt> PATCH_1 2 2 To disable "Diagnostic for AUD017/AUD018" tool: pdt> PATCH_1 2 3 To display "Diagnostic for AUD017/AUD018" tool status: pdt> PATCH_1 2 1 MEMORY REQUIREMENTS: (16 + 8) + (NLP * 32 * 32 + 8) * 16 words of unprotected SL-1 memory, where NLP is the number of loops available in the system (256 or 160). For CS1000E, CS1000M-MG: (16 + 8) + (256 * 32 * 32 + 8) * 16 = 4194456 words For CS1000M-SG: (16 + 8) + (160 * 32 * 32 + 8) * 16 = 2621592 words
MPLR32848	yes	Install this patch and others. Install the database from the old release, then sysload. If the old release was already present during the sysload to bring up the system for patching (i.e. normal upgrade process), ensure that EDD has not occurred prior to rebooting with the patch installed. If it did then restore the old database
MPLR32855		The patch prints strings starting from DIAG and RAS. This patch takes additional 550 kbytes of memory (available memory is printed in different ovarlays, e.g. LD 11). Installation instructions:

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Patch ID	Sysload/INI/ Required	Special instructions
		1. Copy and install MPLR32733 to the system if it is not in service. 2. Copy the patch p32855_1.pp4 to the call server. 3. Load the patch in PDT shell: pload p32855_1.pp4 4. Put the patch in service: pins 'handle'. 5. Activate the patch in PDT shell: PATCH_1 3 2. 6. Activate enhanced junctor information printing (optional) pdt> PATCH_1 3 4 7. Perform call scenarios and collect logs. De-installation instructions: 1. Disable enhanced junctor information printing (if enabled) pdt> PATCH_1 3 5 2. Deactivate the patch in PDT shell: PATCH_1 3 3 3. Remove the patches from service and from memory (optional).
MPLR32865		MPLR32865 should be installed with cs1000-vtrk-7.65.16.21- 45 on Signaling Server.
MPLR32895		2 ways to put the patch in service: 1. They can avoid CS INI (warm start) and put the patch in service at any time. The could still have few calls (max 30 per TDS loop) that could be potentially dropped after installation of the patch because of the fact that some VGWs are still not cleaned from TDS unprotected loop block. 2. They can to CS INI after putting patch in service if they want to make sure there are no dropped call at all. In this case, they need to do the patch installation using maintenance window when
MPLR32947		FOR CPPM ONLY: Special Instructions: INI is required for patch activation. DIAG0005 message with prefix like below can be printed once during startup: DIAG0005 Diagnostic: MPLR32947 This patch replaces MPLR32442.
MPLR33008		LIMITATION: NEED TO RE-REGISTER ALL AUTO UPDATED IP SETS TO APPLY PATCH CHANGES AFTER PATCH ACTIVATION
MPLR33094	yes	Message like below is printed to a maintenance TTY hourly if manual INI was not done after activation of a patch which requires it. MPLR33094: At least one of the installed patches requires a manual INI to activate. Please perform an INI as soon as possible. Moreover, PCH0183 message is logged in the RPT log file once per day around midnight. PCH0183 MPLR33094: At least one of the installed patches requires a manual INI

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Patch ID	Sysload/INI/ Required	Special instructions
		to activate. Please perform an INI as soon as possible. There is a mechanism to disable reminder message. In order to do that run following command in the vxshell: -> PatchGlobalVar4=1 To enable the message again run: -> PatchGlobalVar4=0
MPLR33098		MERGE:MPLR33082 must be used with cs1000-vtrk-7.65.16.22-13; MPLR32710 must be used with SU cs1000-vtrk-7.65.16.21-49.i386.000 or newer; MPLR32466 has inactive PI functionality, so use MPLR32477 to enable it.
MPLR33138		Use second debug level only from debug console. Second level logs contains many output, it could affect call processing. Use with caution.
MPLR33162		ONLY if SYS4439 is seen on Sysload, perform the following actions: 1. Load the patch to survive sysload: pdt> pload Patch filename? p33162_1.pp4 Retain patch (y/n)? [y] y Days patch vulnerable to sysload? [3] 0 In-service initialize threshold? [5] 0 In-service days to monitor inits? [7] 0 Loading patch from "/u/patch/p33162_1.pp4" Sysload and data dump are required after this patch activation. PCH0227: patch 242 has special instruction at the time of loading Continue with patch load (y/n)? [y]y Patch handle is: 242 2. Sysload the system, wait for it is operational. The message SYS4439 will be printed and the patch will correct the database. 3. When the system is fully loaded, make the data dump (LD 43, edd clr). On the next sysloads the SYS4439 will not be printed.
MPLR33163		PATCH SHOULD BE ACTIVATED WITH VTRK SU 22-24 or above
MPLR33223		This patch contains inactive PI functionality. To activate PI functionality ACT MPLR33225 should be installed. Should be installed with PUPEAA89.LW loadware.

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Patch ID	Sysload/INI/ Required	Special instructions
		The new T304 timer prompt is implemented in LD 17. T304 timer value MUST be configured in increments of 10 seconds. Other entered values that are not equal to 20, 30, 40, etc. will be CONVERTED to 20, 30, 40.
MPLR33224		The patch requires cs1000-vtrk-7.65.16.22-45 or above on Signaling Server.
MPLR33231		This patch must be in service together with: cs1000-mscAnnc-7.65.16.22-1; cs1000-mscMusc-7.65.16.22-1; cs1000-mscConf-7.65.16.22-1; cs1000-mscTone-7.65.16.22-1; cs1000-mscAttn-7.65.16.22-1

Table 3: Fixes Delivered to CS1000 Linux SU Service Pack 5.

SUs with RED fill have special Instructions which are documented in Table 4.

SU ID	Description of Fixes included in Each SU
cs1000-bcc-7.65.16. 22-14.i386.001	When installing SP3 customer table in SQL db is not updated by postinstall script due to MySql application is down
	Element Manager can't remove analog phone keys from Call Server database
	Although there are no more phones that support SYNCSTATUS feature, it is in the Bulk Edit feature list
	Unable to update phone which was created by copying from TN
	Cannot access the telephone account of a subscriber via local or network account
	XML parser can't handle '&' character properly & sign throws error when phone is saved in EM
	EM fails to allow an analog set to be created without the DN field completed
	Migration tool for UPM
	Account reassign option is broken between BCC and Subscriber
	Custom criteria comparison field empty while opening new saved report***SPECIAL INSTUCTIONS***
	The labels do not correspond to the values for RMWK feature. CRPA feature is not displayed for 1150 phones.
	User migration from CS1000 to System Manager 6.2/6.3 fails
	CPND name bunched up in "First Name" field
	Bulk phone edit: field cannot be blank when "Keep same value" is chosen
	Fast Sync fails to work if overlay memory is in use
	Getting Blank page when trying to edit or save phone
	EM phones view fails to show user field names

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SU ID	Description of Fixes included in Each SU
	CRPA feature option not available from EM for 1150 phones.
	Subscriber isn't created if CPND name of phone consists of First name only
	Unable to global edit CLID_ENTRY for digital sets
	Phones with CPND cannot be retrieved after upgrade if SubM wasn't be deployed
	Software updates do not clear JBoss cache.
	Unable to perform global edit CLID_ENTRY for analog 500 sets
	CLID Entry not populating in EM reports for analog sets
	Phones without CPND are not displayed in EM reports when there are any CPND programmed phones; Danish letters "Ææ Øø Åå" fail to come up properly in the EM CPND report
	Invalid reference to Subscriber Manager.
	Element Manager Phones Migration Error
	EM, Phones, Properties, User Defined names tab order
	Incorrect error message when trying to retrieve invalid TN in BCC
	Leading 0 removes from Location codes in Corp dir CSV report
	CS1K UPM and BCC integration + Modern Browsers support
	CS1K UPM and BCC integration + Modern Browsers support. Bugfix: User is not able to list used/unused TNs/DNs in BCC using Firefox browser
	CS1K UPM and BCC integration + Modern Browsers support. Bugfix: SP4: BCC-The Phones page doesn't show well with Firefox on large database
	BCC : CS1K rls 7.65 is unable to migrate ACD agent
	UPM/SubM - Failed to redirect to account details page by clicking the Advanced link
	CS1K UPM and BCC integration. Modern Browsers support.
	Courtesy change on the phone does not work
	Can't update 100 phones (500, 2500) with CLS MPTA by using import phone from csv file
	http 403 page access to requested resource has been denied after hit continue option in communication problem warning pop up
	Migration - Options button is invisible with large zoom page in IE 8 browser
	Header line of phone table does not solidly display
	Failed to migrate phone if CPND name contains non ASCII characters
	Unable to bulk edit analog phones
	Search For Phones page doesn't show after comeback from migration page with IE 10
	Failed to list unused and used DNs in Firefox browser for "500 - Analog Standard" phones

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SU ID	Description of Fixes included in Each SU
	Failed to synchronize CallPilot/CS1K due to soft deleted user
	Unable to go to Centralized Account Management section by clicking on reference link
	EM does not provide LNA and LNRS features for M2016S phone
cs1000-baseWeb-7.65.16.22-04.i386.000	Modern Browsers Support for R7.6 Concurrency Sustaining
	Should change Copyright from 2002-2010 to (C) "current year" everywhere in UCM
	At the bottom of BM page SYSTEM ERROR is seen each time BM page is loaded
	Should change Copyright from 2009- to hard-coded (c) "2009-2013" everywhere in Base Manager
cs1000-cs1000WebService_6-0-7.65.16.21-00.i386.000.ntl	Unable to access EM Web Service due to error OVL0428
cs1000-csmWeb-7.65.16.22-2.i386.000	Deleted node in CS1k element manager does not synchronize to CS1000 system in SMGR_UCM deployment page.
	Failed to configure a new node with IP Media Services application enabled
	X509 flag for IP Media Services configuration on EM
	Failed to save& transfer NodeIP SIP Gateway due to invalid config of CTI service, CLID Presentation, Proxy Server route 2 after upgrade from Rls 5.5 to 7.65P
	Adding Primary Call Server IP field for Media Cards configuration
	Failed to add Signaling Server to the node
	Failed to save the node, error 'Server does not exist in Security Domain', CSM patch
	Modern Browsers Support for R7.6 Concurrency Sustaining
	The node SIP URI Map is prefilled with default values after saving with custom values
cs1000-csoneksvrmgr-7.65.16.22-5.i386.000	Modern Browsers Support for R7.6 Concurrency Sustaining
	Should change Copyright from 2002-2010 to (C) "current year" everywhere in UCM
	Should change Copyright from 2008-current year to hard-coded (c) "2008-2013" everywhere in SNMP
cs1000-dbcom-7.65.16.21-00.i386.000.ntl	It is necessary to start/restart dbcom service to completely enable NRS failsafe on GW Endpoint (LinuxBase side) *** SPECIAL INSTRUCTIONS***
cs1000-dmWeb-7.65.16.22-6.i386.000	Upgrade of Co-resident Call Server to Rls 7.65.16 fails due to invalid keycode file.
	System Upgrade of Linux Co-resident Call Server fails due to invalid keycode file.
	Call server preconfiguration details - validation screen fails to show previous choice for Call Server database
	Upgrade failed CS1K CPDC system using UCM.
	NRS application is lost after upgrading CPPM CS,SS,EM,NRS from 7.0 to 7.65

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SU ID	Description of Fixes included in Each SU
	Upgrade from 7.65.12 to 7.65.16 on cores fails
	Modern Browsers and Common Server 2 support
	Should change Copyright from 2002-2010 to (C) "current year" everywhere in UCM
	Should change Copyright from 2002-current year to hard-coded (c) "2002-2013" everywhere in Software Deployment
	Warning message in Deployment Manager before AMS 7.0 deployment
	SP5-SHA256: Key length of CS1000 member still keeps 1024 or 2048 after joining security domain with option key length 512 (Remove 512 bit length from Security Configuration and NFS)
	Warning message in Deployment Manager before AMS 7.0 deployment
cs1000-emWeb_6-0-7.65.16.22-8.i386.000	User ID In EM shows only few characters
	Cannot access the telephone account of a subscriber via local or network account
	Reset IP Phone with 'rst fw' command in Element Manager doesn't work due to error sch0099
	Errors during starting of emWeb components due to patch "cs1000-emWeb_6-0-7.65.16.21-04.i386.000"
	DBA(Data Buffering and Access)buffer space increasing
	The virtual terminal in EM of CS1K rls 7.50 disconnects after 20 minutes, even if you use it.
	unable to launch EM after upgrade locally system from rls 6.0 to rls7.6
	EM Tools, Date and Time, Current System Date and Time, Edit, Error
	Unable to work on VAS data block
	Add new MBRA prompt in Element Manager
	Modern Browsers Support for R7.6 Concurrency Sustaining
	Modern Browsers Support for R7.6 Concurrency Sustaining Bugfix: Unable to upload and activate the Custom file on FireFox 21
	Modern Browsers Support for R7.6 Concurrency Sustaining Bugfix: Not automatically assign Port value when configuring Trap destination on Fire Fox 21
	Modern Browsers Support for R7.6 Concurrency Sustaining Bugfix: Can't load New Calling Line Identification page successfully
	Modern Browsers Support for R7.6 Concurrency Sustaining Bugfix: [SP4] Can’t Restore Personal Directories on Firefox browser
	Modern Browsers and Common Server 2 Support
	Date/time edit button doesn't work on VxWorks system
	Error loading recommended firmware information during upload

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SU ID	Description of Fixes included in Each SU
	of currency.zip file in Element Manager
	Unable to create a new special number with more than 3 digits on Firefox browser
	Element Manager Online Help update
	Unable to apply patch for MC32S in Element Manager after clicking on PSTAT button
	"Bandwidth zones" page is displayed incorrectly in Firefox browser after zones export is completed
	Should change Copyright from 2002- to (C) "2002-2013" in EM, NRSM pages
cs1000-emWebLocal_6-0-7.65.16.22-1.i386.000	The virtual terminal in EM of CS1K disconnects after 20 minutes, even if you use it.
	Modern Browsers Support for R7.6 Concurrency Sustaining
cs1000-ftrpkg-7.65.16.22-2.i386.000	CS1K UPM and BCC integration + Modern Browsers Support
	EM does not provide LNA and LNRS features for M2016S phone
cs1000-Jboss-Quantum-7.65.16.22-8.i386.000	MAS links are not fully displayed after fresh installation_7.65P/7.65.16
	Unable to launch EM of AMS from Primary UCM elements after joining previously deployed AMS into security domain.
	Failed to join Security domain for Linux SS member
	CS1000 member server is unable to register back from System Manager to UCM
	If AMS server is joined to System Manager (SMGR) 6.3, AMS Element Manager is inaccessible from SMGR
	Failed Login on UCM or CS (web or SSH) (using external account) cause lock of AD LDAP user
	Demotion of a server that has lower version of elementType can corrupt primary UCM LDAP database and its elementType.
	Unable to start ssh management service when ssh-dss entry in .ssh/known_hosts, Race condition when publishing elements during jboss startup
	Need to add additional log messages in System logs for Grouping API
	NRSM System error displays on NRS page after applied SP
	Israel DST is changing starting 2013
	UCM cannot return to Primary UCM from EM, NRSM or Base Manager on backup UCM server by click on UCM Network Services
	Modern Browsers Support for R7.6 Concurrency Sustaining
	SP4-ModernBrowsers "Tools" Tab doesn't display fully on UCM page
	Cannot perform local-login to member server with new created account
	Need to update ecm online help content
	Should change Copyright from 2002-2010 to (C) "current year"

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SU ID	Description of Fixes included in Each SU
	everywhere in UCM
	Should change Copyright from 2002- to 2002-2013 everywhere in UCM
	Design: SHA256 support on UCM
	SP5-SHA256: Key length of CS1000 member still keeps 1024 or 2048 after joining security domain with option key length 512 (Remove 512 bit length from Security Configuration and NFS)
	Add user an ability to set default signature algorithm value (SHA-1/SHA-2) for UCM Certificate Authority
cs1000-ipsec-7.65.16.22-1.i386.000	Modern Browsers Support.
cs1000-linuxbase-7.65.16.23-1.i386.000	Need to update timezone.xml according to the actual version of the tzdata database
	Unable to re-deploy a cores server via nfs on Rls 7.6
	PM shows status NONE after deplist activation
	Need to get rid of the useless/confusing 'Do you wish to configure a Domain Name?' question
	Adding the check that 3 mandatory SUs were installed before SP activation
	after SP activation AMS functionality failed to work
	TPS and MSC apps are stopped after SP activation.
	Uninstalling cs1000-Jboss-Quantum-7.65.16.00-01.i386.001 fails
	SMGR_6.2 SP3: Failed to upgrade BO system from 7.65M to 7.65P new load
	It is necessary to change the logic of mandatory SUs checking
	Israel DST is changing starting 2013
	Common Server 2 support
	Added possibility of patch downgrade during SP installation
	Added changing application name in configure.xml during patch loading to prevent SP load failure
	freeDiskSpace command is to be run in non-interactive mode
	Implement Linux base command to set default UCM CA signature algorithm value
cs1000-mscAnnc-7.65.16.22-2.i386.001	MSC fails to register to SM with TLS transport when using self-signed certificate on SM
	Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.
	The MSC applications fail to come up after core dump or re-gaining of node mastership
	Shared bandwidth is not updated correctly for IP conference when MAS location is configured as string on SMGR
	IP Conference, IP Tones, IP Music, IP Announce, IP Attendant status failed to show on Call Server
	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage

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SU ID	Description of Fixes included in Each SU
	After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server
	Some IP Music calls don't work under high traffic due to resource leakage
cs1000-mscAttn-7.65.16.22-2.i386.001	MSC cannot register to SM with TLS transport when using self-signed certificate on SM
	Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.
	MSC ATTN coredump appears in Signaling Server.
	The MSC applications fail to come up after core dump or re-gaining of node mastership
	ipAttendant fails to start on the follower when the leader is down
	Shared bandwidth is not updated correctly for IP conference when MAS location is configured as string on SMGR
	IP Conference, IP Tones, IP Music, IP Announce, IP Attendant status failed to show on Call Server
	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server
	Some IP Music calls don't work under high traffic due to resource leakage
cs1000-mscConf-7.65.16.22-02.i386.001	MSC fails to register to SM with TLS transport when using self-signed certificate on SM
	Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.
	The MSC applications fail to come up after core dump or re-gaining of node mastership
	Shared bandwidth is not updated correctly for IP conference when MAS location is configured as string on SMGR
	IP Conference, IP Tones, IP Music, IP Announce, IP Attendant status failed to show on Call Server
	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server
	Some IP Music calls don't work under high traffic due to resource leakage
cs1000-mscMusc-7.65.16.22-4.i386.001	MSC cannot register to SM with TLS transport when using self-signed certificate on SM
	Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.
	The MSC applications fail to come up after core dump or re-gaining of node mastership
	Shared bandwidth is not updated correctly for IP conference

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SU ID	Description of Fixes included in Each SU
	when MAS location is configured as string on SMGR
	IP Conference, IP Tones, IP Music, IP Announce, IP Attendant status failed to show on Call Server
	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server
	Some IP MUS/RAN calls doesn't work under high traffic
cs1000-mscTone-7.65.16.22-2.i386.001	MSC fails to register to SM with TLS transport when using self-signed certificate on SM
	IP Tones not working in Local Media Server configuration
	Unable to make Media Gateway Conference when Local MAS and Proxy Servers of IP Media Services are down.
	The MSC applications fail to come up after core dump or re-gaining of node mastership
	Shared bandwidth is not updated correctly for IP conference when MAS location is configured as string on SMGR
	IP Conference, IP Tones, IP Music, IP Announce, IP Attendant status failed to show on Call Server
	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	After Turn off/Turn On Server IP Media Services do not work because MSC applications are unregistered on Call Server
	Some IP MUS/RAN calls doesn't work under high traffic
cs1000-nrsm-7.65.16.22-3.i386.000	JSP cache is not cleaned during nrsmWeb patch installation
	NRSM Restore DB is missing the link to download the latest restore log file
	Failed to restore NRSM Rls 5.5 DB via secure FTP server
	Modern Browsers Support
	NRS Manager Online Help update
	Should change Copyright from 2002- to (C) "2002-2013" in EM, NRSM pages
cs1000-numgrp-7.65.16.22-6.i386.000	R7.6 Concurrency Sustaining: Corporate Directory enhancements + Modern Browsers Support R7.6 Concurrency Sustaining: Corporate Directory concurrent mechanism doesn't work properly R7.6 Concurrency Sustaining: System error displays if the next schedule with different element
	Configure button should be disabled when clicked to avoid multiple click
	There is no clear explanation for 'Exclude unpublished Telephony Accounts' checkbox on Corporate Directory properties page
	The same help pages display through some Corporate Directory pages

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SU ID	Description of Fixes included in Each SU
	System Error displays after user clicks on Configure in Corporate Directory
	System error displays for groups generation report
cs1000-oam-logging-7.65.16.22-4.i386.000	Jboss service is automatically restarted when working on Logs page.
	Modern Browsers Support
	SP4-ModernBrowsers_"Tools" Tab doesn't display fully on UCM page
	No warning message displays when user chooses out-of-date value to view log
	Fix for duplicated log forwarding servers after sysrestore.
	User can't load SMGR page after running automation TCs over 12 hours due to a lot errors related with incorrect file format of security.log forwarding from CS1k member
cs1000-patchWeb-7.65.16.22-4.i386.000	Patching Manager analysis is showing PI Patch MPLR29278 to be OBS
	Fail to apply patch for MC32 rls 7.50.17 via patches manager
	Implement warning message for mandatory patches before Service Pack installation
	PM uploads deplists for a long time
	Applicable patches for MC32 are not available properly on patch manager
	Patch manager fails to delete uploaded temp file in /tmp for any failed results of uploading patch
	Unexpected error occurred while uploading patch/SP/Deplist
	Modern Browsers Support.
	If higher SU for application exists in the system before installing new SP including lower one, after SP installation there are no SU for this application in service
	freeDiskSpace command implementation for Service Pack activation via Patch Manager
	Add warning message to UCM PM in case 7.6 SP5+ is being installed on PSS
cs1000-pd-7.65.16.21-00.i386.000	ND cannot import phone accounts from CND, when CND is hosted on SMGR
cs1000-shared-carrdtct-7.65.16.21-01.i386.000	TPS application failed to start after SP install. No IP-phones registered.
	Fail to sync the Node configuration from EM
cs1000-shared-tpselect-7.65.16.21-01.i386.000	TPS application failed to start after SP install. No IP-phones registered.
	Fail to sync the Node configuration from EM
cs1000-shared-xmsg-7.65.16.22-1.i386.000.ntl	It is necessary to start/restart dbcom service to completely enable NRS failsafe on GW Endpoint (System Management side)*** SPECIAL INSTRUCTIONS ***

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SU ID	Description of Fixes included in Each SU
	Increase maximum message size for ITG message
cs1000-shared-omm-7.65.16.21-2.i386.000	"NrsOmmShow","NrsOmmAvShow" commands print out "No SIP Proxy/Redirect server present" even when SPS is running
	IP Media Services apps fail to start with SU cs1000-shared-omm-7.65.16.21-1.
cs1000-snmp-7.65.16.21-00.i686.000	SNMP profiles are opened for a long time. Snmp-Daemon-TrapLib failed to start after upgrade.
cs1000-sps-7.65.16.22-2.i386.000	Conference calls from CM SIP set to CS1000 drop within 34 seconds.
	SPS server crashes.
	SPS cannot parse SIP Invites with "rfrid" parameter in Request URI (AS5300 requirement)
	SPS service crashes, leading to call failures between CS1k and MX bridge.
	SPS cannot parse SIP Invites with "rfrid" parameter in Request URI (AS5300 requirement)
	IPv6 SIP Secure E2E TLS call over collaborative NRS failed due to 403 Forbidden
	[IPv6] Failure with code "603 Decline" when SIPL IPv6 make call over Collaborative NRS using SIP
	Errors during NRS DB restore from 6.0 backup file
	Name is not shown when set with CLS DDGD NAMA calls via SIP trunk (SPS issue)
	System upgrade/backup/restore do not save NRS DN Throttling configuration files
cs1000-tps-7.65.16.22-8.i386.000	New warning is found by coverity tool REFER TO SPECIAL INSTRUCTION
	TPS crash occurred during postponed firmware download REFER TO SPECIAL INSTRUCTION
	On 1140E KEM, adding a Label to 2nd page also replaces 1st page label REFER TO SPECIAL INSTRUCTION
	User unable access Corporate directory if server with Personal directory can't be reached.
	IP sets fail to register if, prior to registration attempt, they were unplugged.
	Display issue with Group call alert and German special characters
	PI: DVLA enhancement. MPLR31536 activates PI functionality.
	PI: SRG sets display. Sets's USER ID line printing suppression. This is a NO Charge PI patch.
	Duplicate TN error when try to register to DVLA TN using different phones
	i2050 Softphone - key "transfer" is missing
	TPS crash in traffic due to memory corruption
	IP set is not redirected to home location when Virtual Office login

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SU ID	Description of Fixes included in Each SU
	is performed
	Redial List is incorrect for NARS call
	Avaya CS1000 PBX system is adding a support for SHA256 DTLS
cs1000-vtrk-7.65.16.22-50.i386.000	CS1K Collab Pack & AAC integration. PI enabler MPLR32474 should be installed to activate code changes. *** REFER TO SPECIAL INSTRUCTIONS FOR MORE INFORMATION ***
	VTRK Coredump in IGCC module
	Keep alive OPTIONS transaction leakage
	IPV6-SIPL (dual stack) fail to hear greeting message in order to leave voice mail on Call Pilot mailbox.
	VTRK coredump during H323 calls with overlap enabled.
	VTRK Coredump (Radvision module)
	RV Stack gen pool header leakage
	PI: No Speechpath after Call Server INI. *** NOTE: PI ENABLER PATCH IS MPLR32182 ***
	CS1K SSG can't send BYE if the latest response sent before BYE was 488 Not Acceptable
	Call drops, no more clients can register to SLG because PUBLISH msg is not handled properly
	"Lync add-in for CS1K" Client unable to connect to SLG because SLG shows client as logged in already
	CS1K_SIPL_1120 doesn't hear the greeting when BCM_1120 does blind transfer to CS1K_2004 CFNA to CallPilot.
	VTRK is going down intermittently - coredump is in RV memory address space.
	SIP session leakage in Rel 7.0
	Cannot resume a held call on CS2100 SIP Line phone after CS2100 Unistim phone performed consultative transfer
	SIPCTI traces are limited to 1Mb if redirected to user-specified file
	Additional SU for "No ring back tone on CS1K phone when 3rd speech server transfers the call to another CS1K phone", MPLR32248 fix.
	Extended Local Call drops immediately on all remain parties when set 1 calls set 2, set 2 does conference to set 3, then set 2 releases the call.
	1 way speech path in a call from CS1K1_SIPline to CS1K1_Unistim which does blind transfer to CS1K2_OCS_RCC mode
	SLG doesn`t reject an INVITE with unsupported SIP URI scheme
	Calls transferred from Polycom SIP handsets are disconnected after 10 seconds.
	Caller fails to leave message for CMFS_9640 user which has CFAC to CMES_4620 user CFAC to CS1K_CallPilot.
	Leading 0 missing in calledNumber
	Perform blind call transfer to a busy SIP set may cause BUG397 on

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SU ID	Description of Fixes included in Each SU
	TTY of call server.
	Fail to make blind transfer call from SIPL user after doing R&R TC: System recovery after power shortage
	CS1000 call disconnects with cause 101 after forward busy to UM Exchange 2010.
	Call drops, all SIPL phones log-out and no SIPL can register to SIPL server when user puts the local active call (SIPL and another phone) for a long time
	Local call from Unistim phone with CLS MSAW to SIPLine phone in Secure only mode is dropped after CS warmstart
	CS1k does not conform with Avaya Presence Model;Flare Communicator showing incorrect presence of CS1k phone
	One Way Speechpath on Trio Attendant Via SIP. PI enabler MPLR32546 should be installed to activate code changes.
	No speechpath after CS1k phone transfers a CM endpoint to another CM endpoint over SIP trunk
	ACE implementation not working since installation of VTRK 152
	vi: After upgrading CS1K system from build 765M/7.65.13 to build 7.65.16/7.65P, OCS client fails to twin with CS1K deskphone.
	DTMF tones failed to be recognized by the HMS system when calling from R2 MFC DID trunk
	VTRK coredump occurs on CPPM cores rls 7.65M/13.
	SIPL uext is locked after calling to unreacheable cellular phone number via EuroISDN
	A Vtrk Coredump occurs on system when user using SIPL phone makes a local call to UNIStim phone.
	SIPL phone cannot make any call when vtrk restart was happened and then CS restart was made
	Call is dropped when OCS client (VoIP mode) answers a call that is routed by AACC script (AML)
	No speechpath and call drops during call transfer from AEP to CS1000 CDN + Outgoing calls to cell phones are not being forwarded to voice mail
	VTRK coredump in IGCC module due to double free error
	SIPL cannot make new call to another user when the far end user presses hold
	AS5300 Click-to-call does not work with CS1000 system
	Forwarded call is dropped after answer if it has been handled by AACC
	VTRK channels are stuck in busy state
	VTRK Coredump occurs on signaling server because TLS handshake fails for both tSSG and tPUA tasks
	re-INVITE sent by CS1K is not compliant to RFC3264 as its SDP contains a number of m-lines less than in previous SDP
	UNIStim user hears short noise when the call is retrieved from

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SU ID	Description of Fixes included in Each SU
	MOH
	Incorrect greeting or no speech path when thru-dial call goes back to Call Pilot after CFAC
	Some SIP calls are failing
	Intermittently calls on SIP trunks drop after the agent answers to Genesys
	No speech path due to TX_OPEN missing from SS
	When RCC user does simple Make call from OCS client, pop-up window shown 3 participants in a call
	PI: SIP: Fax handling in mixed G711/T38 environments
	PI: It is needed to turn off q931Multiplexing in order to prevent failures of H323 calls due to TCP packet loss in network
	Coverity warning messages after vtrk-7.65.16.21-101
	No-Way speechpath when SIPL makes local call to NACD which is configured to route the call to another ACD via SIP trunk. Same problem occurs if instead of SIPL set you have SIP Trunk on the incoming side.
	No-way speech path after transfer complete
	"sipNpmPublishResponseHandler: body size is 0" error message appears when CS1K user updates its status to Avaya Presence server
	PI: Mandatory parameter "T38FaxRateManagement" isn't present in T38 SDP
	Call dropped due to missing security attributes from CS1000 in the Click-to-call scenario
	Call drops from CS1000 user via multiple SMs and CE
	UEXT SIP Phone calls to Unistim Set. Call is dropped immediately
	SIP MCDN Facility message ping-pong due to incorrect configuration leads to system slow-down/freeze
	Call is dropped when external anonymous caller being transferred by TRIO back to CS1000
	CS1000 is putting “transport=unknown” in 200 OK
	No speech path when transferring the call from AEP IVR
	SIPL (SIPL Line) cannot transfer a call after answering a recall from a parked call for SIPL Line
	CS1000 Collab pack - Twinned Flare works incorrectly after answer dial-out call from moderator
	MWI doesn't work properly
	Incoming SBC SIP trunk calls fail on Contact Center re-routed over SBC SIP
	Unsupported event in SUBSCRIBE message caused SIP stack resource leak and all SIPL (SIP Line) phones deregistered every night
	SIPCTI application should send Monitor Stop message before BYE
	INFO messages are printed in ss_common.log for every SIP TAT

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SU ID	Description of Fixes included in Each SU
	call
	Calls from MS Lync to PCA number are getting dropped
	DevConnect partner Estos has some SIP CTI issues after R7.5 to R7.6 upgrade
	Sipl calls over SIP to MADN PCA -> sipl +ipl + tdm fails when ipl/tdm answers
	Voice issues after call transfer in MO/BO environment
	Increase the maximum SDP size and the maximum itgMsg size for the PBX Message queue - Twinned Flare 1.2 answering AAC dial out call does not get video
	Originator does not hear CallPilot greeting after terminator blind transfers over SIP trunk to an user which CFNA to CallPilot
	PI:H323:CS1K is not sending ARQ to Gatekeeper
	SIPL Call Pick Up Does Not Work With FFC That Contains '#'.
	Calls that are transferred over SIP trunks and then FNA to Call Pilot get dead air intermittently.
	SnapShotDevice issue - callID should precede deviceID.
	No announcements for calls from 3th party SIPLine DECT to CallPilot
	Call with SIP Line Set is dropped after consultative transfer is completed over SIP trunk when Media Security enabled
	MWI lights stop working
	MultiDN recording doesn't work in AMLFE setup
	Name is not shown when set with CLS DDGD NAMA calls via SIP trunk
	Call drop due to low "Max-forwards" value.
	Some SIP CTI issues in consultation call/conference after R7.5 to R7.6 upgrade
	Warning messages from npmSendCLC() and error messages from npmSendOLCAck() without any impact to a call processing
	Some third party SIP servers can't handle SIP slowstart.
	After a power outage in the network, 3rd party sip phones doesn't work anymore
	A fax call from Audiocodes fax server over SIP to CS1K is not switched to T38 codec and fails
	CS1K stops sending SIP invite requests to 3rd party spectralink phones
	Vtrk coredump occurs when SIPL call over H323 is retrieved from hold
	Support Continuous Presence Video on CS1K with twinned Avaya Communicator Window 2.0 (or higher) when a CS1K Collaboration pack or CM is deployed in the CS1K network
	CS1000/AACC network call has no speech path intermittently
	PI:OCS MOC client gets error message when call is forwarded

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SU ID	Description of Fixes included in Each SU
	No speech path on some IP sets after consultative transfer is completed over SIP trunk
	An error message from cc_i_proceed() function is printed out on a terminating node for an every call from SIPLine set via H323 trunks when overlap mode is enabled
	Blind transfer from CS1K SIP DECT set to CM SIP user is failed.
	Music on Hold is not provided to OCS client during Call Transfer
	Support Continuous Presence Video on CS1000 with twinned Avaya Communicator Window 2.0 (or higher) when a CS1000 Collaboration pack or CM is deployed in the CS1000 network
cs1000-xemWeb-7.65.16.22-4.i386.000	Unable to work on VAS data block
	Bulk provisioning is failed by transferring CEQU to destination although it was set as unique data
	Modern Browsers and Common Server 2 support
	Critial error occurs and cannot start over to bulk provision to destination CS if it was unplug ELAN before initial bulk provisioning and plugin back
	Bulk provisioning does not update status when performing bulk provisioning and there's LAN outage on primary HS EM server
	Failed to retrieve customer data block when bulk provision
cs1000-cs-7.65.P.100-02.i386.000	VxELLs CS stops working on COTS system even CS app is still running
	Unable to deactivate deplist for CPPM cores call server via Patch manager
tzdata-2013c-2.el5.i386.001	Need to update tzdata RPM according to the actual version of the tzdata database
	Israel DST is changing starting 2013
cs1000-gk-7.65.16.22-01.i386.000	PI: Turn-off H323 overlap signaling support on NRS *** PI ENABLER PATCH IS MPLR32845 ***
	System upgrade/backup/restore scripts do not save NRS DN Throttling configuration files
cs1000-cppmUtil-7.65.16.22-01.i686.000	Customer cannot move hard drive from CPPMv1 to CPPMv2 without HW watchdog expiring
submgr-2.3.0-9.noarch.000	R7.6 Concurrency Sustaining: CS1K UPM and BCC integration + Modern Browsers Support
	Can't create call pilot account from Subscriber Manager
	UPM/SubM - Failed to redirect to account details page by clicking the Advanced link
	Can't schedule Add Accounts operation in subscriber manager
	CS1K UPM and BCC integration - Modern Browsers support
	Template value getting reset when adding telephony account
	Need to update subscriber manager online help content
	Unable to create account for existing subscriber
	Should change Copyright from 2007-2010 to 2007-2013

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SU ID	Description of Fixes included in Each SU
	everywhere in Subscriber Manager
cs1000-csv-7.65.16.22-2.i386.000	PI: CSV bulk node&TN change for IP Phones
	Avaya CS1000 PBX system is adding a support for SHA256 DTLS
cs1000-shared-pbx-7.65.16.22-3.i386.000	Increase the maximum SDP size and the maximum itgMsg size for the PBX Message queue - Twinned Flare 1.2 answering AAC dial out call does not get video
	Increase maximum message size for ITG message
MPLR31484	Wrong translation TC DE DISC DIRET off in Portuguese *** Special Instructions, please see notes section ***
MPLR33054	CALL SERVER: Cannot LD 43 edd, datadump to compact flash card (RMD), TEMU111 printed
MPLR33125	SS syslog file compression caused SS apps hung for 5-6 seconds.
MPLR33274	Increase maximum message size for Linux POSIX queue
MPLR33275	Unable to activate several cpl patches via Patch Manager

Table 4: Special Instructions for SUs within Service Pack

SU ID	Special Instructions for Each SU
cs1000-bcc-7.65.16.22-14.i386.000	This patch should be used with submgr-2.3.0-3.noarch.000 or higher. After application of the patch, "Update database" should be performed on "Element Manager / Phones / Properties" page and then "Retrieve All Phones and Reconcile" operation should be performed for all sets configured on the server on "Element Manager / Phones" pages. All temporary files and cookies should This patch requires patch cs1000-Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-dbcom-7.65.16.21-00.i386.000.ntl cs1000-shared-xmsg-7.65.16.22-1.i386.000.ntl	The patch must be installed together with MPLR33274, cs1000-shared-pbx-7.65.16.22-3 and cs1000-dbcom-7.65.16.21-00.
cs1000-mscAnnc-7.65.16.22-2.i386.001 cs1000-mscAttn-7.65.16.22-4.i386.001 cs1000-mscConf-7.65.16.22-2.i386.001 cs1000-mscMusc-7.65.16.22-4.i386.001 cs1000-mscTone-7.65.16.22-2.i386.001	The following patches must be in service together: MPLR33080; cs1000-mscAnnc-7.65.16.22-1; cs1000-mscMusc-7.65.16.22-1; cs1000-mscConf-7.65.16.22-1; cs1000-mscTone-7.65.16.22-1; cs1000-mscAttn-7.65.16.22-1..
cs1000-tps-7.65.16.22-8.i386.000	**Note 1:** PI: DVLA enhancement. Requires MPLR31536 to activate PI functionality. **Note 2:** PI: SRG sets display. Sets's USER ID line printing suppression. Requires MPLR29278 to activate PI functionality Please contact Avaya Backbone Support (BBE) if these patches are required. Should be loaded with CS patch MPLR32744

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SU ID	Special Instructions for Each SU
cs1000-vtrk-7.65.16.22-50.i386.000	**Note 1:** cs1000-vtrk-7.65.16.21-29.i386.000.ntl has inactive PI functionality. To enable PI functionality MPLR32474 is required. **Software lineup** 1. CM version FP2 6.3 Load 120 or newer. 2. CS1K version GA load x210765p and 7.65.16 + following patches: MPLR32466 is for call server GEN patch MPLR32477 is MPLR32466 ‘s patch enabler. cs1000-vtrk-7.65.16.21-29.i386.000.ntl is for VTRK SU patch MPLR32474 is vtrk's patch enabler. Please contact Avaya Backbone Support (BBE) if these patches are required. **Tips** 1. The CS1K recommended Collaboration pack configuration needs to be followed. 2. Make sure there is no SIPS & SIP mix configuration in the deployment, because the CS1K does not support SIPS and SIP mix configuration, if the SIPS & SIP is mixed, the CS1K will reject the call. **Note 2:** to address the issue where IPV6-SIPL (dual stack) fails to hear greeting message in order to leave voice mail on Call Pilot mailbox, MPLR32609 (now included in Merged Pep: MPLR32466), also needs to be installed. **Note 3:** PI enabler MPLR32182 is required to activate functionality of PI: No Speechpath after Call Server INI. It provides a workaround to address an interoperability issue with the 3rd party Viraz Media Gateway. Please contact Avaya backbone Support (BBE) if this patch is required. **Note 4:** To address a One Way Speechpath issue on Trio Attendant Via SIP, PI enabler MPLR32546 should be installed to activate code changes. Please contact Avaya backbone Support (BBE) if this patch is required. **Note 5:** MPLR27159 is required to activate cs1000-vtrk-7.65.16.21-112.i386.000 PI functionality **Note 6:** The patch cs1000-vtrk-7.65.16.21-115.i386.000 should be applied together with MPLR32192 and MPLR32674 and MPLR33004 **Note 7:** The patch should be used with MPLR32192, MPLR32674, MPLR33004, MPLR33098, MPLR33163, MPLR33224, MPLR33274

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SU ID	Special Instructions for Each SU
	and cs1000-shared-pbx-7.65.16.22-3.
cs1000-cs-7.65.P.100-02.i386.000	Fix consists of two parts: cs1000-cs-7.65.P.100-02.i386.000.ntl and MPLR32654. Both patches must be installed on a system. !!! Do not remove this patch during Deplist deactivation!!!
tzdata-2013c-2.el5.i386.001	Make sure that below SUs or their upper versions are also installed on the system: cs1000-linuxbase-7.65.16.21-11 cs1000-Jboss-Quantum-7.65.16.21-8.i386.000
MPLR31484	For R7.6, user will be asked to stop and restart TPS application during patch installation ("pins" command).
cs1000-linuxbase-7.65.16.23-1.i386.000	Please note that this patch must be installed before Service Pack Please do the following under root user before patch installation: chmod 444 /var/opt/nortel/base-apps/* chmod 755 /opt/nortel/Jboss-Quantum/run/jbossd The fix consists of three parts: tzdata-2013c-2.el5.i386.001; cs1000-linuxbase-7.65.16.21-11.i386.000 and cs1000-Jboss-Quantum-7.65.16.21-8.i386.000. Make sure that all these SUs or higher versions are installed on the system
cs1000-csmWeb-7.65.16.22-2.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-csoneksvrmgr-7.65.16.22-5.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-baseWeb-7.65.16.22-4.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-ftrpkg-7.65.16.22-2.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-dmWeb-7.65.16.22-6.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-emWeb_6-0-7.65.16.22-8.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-emWebLocal_6-0-7.65.16.22-1.i386.000	Need install the latest cs1000-emWeb_6-0 patch. This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed.
cs1000-ipsec-7.65.16.22-1.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-nrsm-7.65.16.22-3.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
cs1000-numgrp-7.65.16.22-6.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-3 or higher to be installed
cs1000-oam-logging-7.65.16.22-4.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed. If it is member server and log forwarding to primary SMGR is enabled please invoke configureSpiritAgentClient.sh script after SU activation
cs1000-patchWeb-7.65.16.22-4.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 and patch linuxbase-7.65.16.22-05 or higher to be installed.

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SU ID	Special Instructions for Each SU
cs1000-xemWeb-7.65.16.22-4.i386.000	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed
submgr-2.3.0-9.noarch	This patch requires patch Jboss-Quantum-7.65.16.22-1 or higher to be installed; should be used with cs1000-bcc-7.65.16.21-104.i386.001 or higher
cs1000-csv-7.65.16.22-2	This patch should be used with MPLR33062.
cs1000-shared-pbx-7.65.16.22-3	The fix includes CS patch MPLR33075, vtrk SU vtrk-7.65.16.22-12 and shared-pbx SU shared-pbx-7.65.16.22-1, so all of them have to be installed together. The Linux box on which the Signaling Server is running needs to be rebooted after the share-pbx SU and vtrk SU are put in service.
MPLR33274	The Signaling Server must be rebooted after this patch is put in service.

Fixes delivered to MC32/MC32S (Service Pack 5)

- MPLR33049 A leak of file descriptors ("unbound" sockets)

Table 5: Patches required for MC32/MC32S cards

Patch ID	Title	Patch Category
MPLR31815	Patch Manager fails to install Call Server / MC32S patch with special instructions. Note: FOR SMC only: MPLR31815 is merged with MPLR32709 Special Instructions: MPLR31815 should be installed before installation of any patch with special instructions	MC32S
MPLR32431	Unable to login using SSH on VxWorks Call Server (CPPM, CPP4), MGC, MC32S, MC32 Special Instructions: FOR MC32S: INI required for patch activation. For SMC only: Login to MC32 not using ssh connection(for example via Telnet) and perform the following: SSHS_shutdown sshServerManagerServerStart Note: The system is vulnerable to this problem until MPLR32431 is installed and activated.	SMC MC32S

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Patch ID	Title	Patch Category
	The likelihood of occurrence of this vulnerability is quite low if IP Sec is disabled.	
MPLR32709	Patching commands do not work after special instruction patch is forced from service *** NOT APPLICABLE FOR MGC/MC32S *** Special Instructions: MPLR32709 should be installed before installation of any patch with special instructions	SMC
MPLR31890	G729 codec not used for vgmc DSPs when G722 enabled *** Not applicable for MGC *** SEE SPECIAL INSTALLATION INSTRUCTIONS *** Special Instructions:	MC32S
MPLR32820	Abnormal QOS 99.9% packet loss alarms printed on MC32S *** Not applicable for MC32 ***	MC32S
MPLR33049	A leak of file descriptors ("unbound" sockets)	MC32S

Table 6: Fixes Delivered for MGC (Service Pack 5)

Loadware	Fix delivered
MGCCDC04	MPLR32741 ---------- MGC does not reboot automatically when it can't register with the call server MPLR33049 ---------- MGC does not reboot automatically when it can't register with the call server MPLR33095 ---------- tDbSynchrTask task goes down on MGC due to abnormal network activity MPLR33265 ---------- SMG->CPMGS->ALTERNATE CALL SERVER 2->SRPT315 CS is not able to recover HeartBeat link with MGC Cabinet

Table 7: Fixes Delivered for Standalone applications (Service Pack 5)

Application	Fixes Delivered
Dect Manager 1.01.10680	Dect Manager v2 doesn't work with 64 bit Windows 7.

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	DMC DECT Manager is unable to synchronize with DMC Boards.
Health Check Monitor – 01.02.07.00	Supporting cancel during collecting logs in HC and UW Upgrade Application - pre-Installation data collection still reports operation failed even it has been completed with green check Need to change to Message and Error level to debug and info only HCv34 "Application error" shows when running Fulltest mode. Patch level retrieve do not work on SS release 7.00 in HC tool v32,33 Operation failed when Run all Consolidated backup on Health check tool.

Known Limitations and Operational Assistance

Please see table 8 for a list of known limitations and workarounds which are still applicable to Release 7.6 SP5.

Table 8: Known limitations and workarounds in Release 7.6 Service Pack 5

Keyword	Problem Description	Workaround	Id #
Call Processing	Sip Dect Camp-on problem. Camped-on calls not always presented to SIP DECT set due to timing issue between CS1000 and SIP DECT equipment. Problem is only applicable to sites using SIP DECT only	Fix patch MPLR33235 is available from Avaya on request, via an SR.	wi01166011

- Problems have been reported in uploading NAI files to Deployment Manager on CPDC. This has only been noticed on the CPDC platform. If this occurs, try to upload the NAI file again. If problems are still encountered, it would be necessary to use local deployment using a USB device on the target.
  It is highly recommended that any content downloaded from the download site be checked for integrity. The MD5 checksums can be computed using a utility and compared to those listed with the software package on the download site.

  One such utility is md5summer, available at www.md5summer.org . Checksums of uploaded content should be validated against the listed checksums listed in Deployment Manager.

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Avaya and 3rd Party Software License Agreements

Please reference the following link for the Avaya Software License agreement and 3rd Party Software License agreements:

http://support.avaya.com/LicenseInfo/

http://support.avaya.com/ThirdPartyLicense/

In order to comply with the conditions of use needed to obtain a blanket authorization to distribute Linux OSS along with its corresponding binaries the following image has been made available. There is no need to download this image.

RedHat Linux Source Code Files				
CS1K0000250	RHL Linux	LinuxSource_7.6.zip	600	2EC474941238A46DEB69FE14C6BB152F

Product Support and Correction Notices

It is highly recommended that you read the Product Support and Correction Notices for the latest information on product changes.

To read a PSN or PCN description online:

1. Go to the Avaya Support website at http://support.avaya.com.
2. On the main menu, click **Downloads and Documents**.
3. In the **Enter Your Product Here** field, enter **Communication Server 1000**
4. In the **Choose Release** field, click **7.6.x**.
5. Click **Documents**.
6. Check **Product Support Notices and Product Correction Notices**.
7. Click **Enter**.
8. To open a specific PSN or PCN, click the PSN or PCN title link.

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Technical support

Avaya Technical Support provides support for CS1000 Rls 7.6

In case you find any problems with CS1000 Rls 7.6:

- Retry the action. Carefully follow the instructions in the printed or online documentation.
- See the documentation that ships with your hardware for maintenance or hardware-related problems.
- Note the sequence of events that led to the problem and the exact messages that the system displays. For more information, see the troubleshooting section of the Avaya product documentation.

If you continue to have problems, contact Avaya Technical Support using one of the following methods:

- Log on to the Avaya Support website at http://support.avaya.com.
- Call or send a fax message to Avaya Support on one of the telephone numbers in the Support Directory listings on the Avaya Support website.

Using Avaya Global Services Escalation Management, you can escalate urgent service issues. For more information, see the list of Escalation Contacts on the Avaya Support website.

Before contacting Avaya Support, keep the following information handy:

- Problem description.
- Detailed steps to reproduce the problem, if any.
- The release version in which the issue occurs.

Contact support tasks

Avaya Support might request for email notification files for analysis of your application and the application environment.

For information about patches and product updates, see the Avaya Support website at http://support.avaya.com

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Appendix A: Detailed Release 7.6 SW and Loadware Lineups

The online Compatibility Matrix is recommended for Communication Server 1000 Release 7.6 interworking with the Avaya Aura® portfolio in particular. This can be accessed via the Avaya Support Portal at:
https://support.avaya.com/CompatibilityMatrix/Index.aspx
The Communication Server 1000 Release 7.6 product compatibility matrix is located on Avaya's http://support.avaya.com site under the **Overview** content type in the Communication Server 1000 Release 7.6 Downloads & Documents section.

R7.6 SP5 aligns with Avaya Aura® 6.2 FP4:

System Manager 6.3.8

Session Manager 6.3.8

Presence Services 6.2.2

Communication Manager 6.3.3

Core Software Element	Version Number
Unified Communications Manager	7.65.16. version (02.30.0058.00)
Call Server	X210765P
PSWV	100
Linux Base & Applications	7.65.16
Subscriber Manager (in Linux Apps Image)	submgr-2.2.1-05
IP Media (AMS 7.0 Element) (included in Linux image)+ QFE-platform 1-12 patches and QFE-EM 1 patch	7.0 (7.0.0.623)
IP Media (AMS 7.6 image)	7.65.16.24
MC32S	7.65.17
MC32S Gold	6.00.15
MC32S Boot	6.00.15

Digital Set Firmware	Version Number	RELEASED WITH SP5
3902	84	
3903	91	
3904	94	3904CA94_DBA
3905	94	

IP Client Model Number	Firmware ID	Firmware
IP Phone 2004 Phase 0/1	0602	B76
IP Phone 2004 Phase 2	0604	DCO
IP Phone 2002 Phase 1	0603	B76
IP Phone 2002 Phase 2	0x02	DCO

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IP Client Model Number	Firmware ID	Firmware
IP Phone 2001 Phase 2	0x02	DCO
IP Audio Conference Phone 2033	*2310	S96
IP Phone 2007 Phase 2	*0621	C8V
IP Phone 1110	*0623	C8V
IP Phone 1120E	*0624	C8V
IP Phone 1140E	*0625	C8V
IP Phone 1150E	*0627	C8V
IP Phone 1165E	*0x26	C8V
IP Phone 1210	*0x2a	C8V
IP Phone 1220	*0x2a	C8V
IP Phone 1230	*0x2a	C8V

Note:

1. B76 is at End of life. Phase 0 and Phase 1 IP phones are not supported in Release 7.6. Note: Phase 0 and Phase 1 registration to the LTPS is not blocked

MGC Loadware	X21 0765P PSWV100	RELEASED WITH SP5
CSP	DC01	DC04
MSP	AB02	
APP	BA18	
FPGA (MGCF)	AA22	
BOOT	BA18	
DSP1	AB06	AB07
DSP2	AB06	AB07
DSP3	AB06	AB07
DSP4	AB06	AB07
DSP5	AB06	AB07
Other Loadware		
UDTC	AB17	AB25
MGP	1.01.38	
FIJI	V29	

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LOADWARE	X21 0765P PSWV100
LCRI	LOADAA02
XNET	LOADAC23
XPEC	LOADAC45
FNET	LOADAA07
FPEC	LOADAA10
MSDL	LOADAJ73
ASYN (SDI)	LOADAH51
DCH1 (DCH)	LOADAA72
MLNK (AML)	LOADAK81
BRIL	LOADAK83
BRIT	LOADAK82
MISP	LOADAJ71
MPHA (MPH)	LOADAH51
BRSC	LOADAJ71
BBRI	LOADAH54
PUPE (PRIE)	LOADAA88
BRIE	LOADAK90
ISIG	LOADAA33
SWE1	LOADBA53
UKG1	LOADBA51
AUS1	LOADBA49
DEN1	LOADBA48
FIN1	LOADBA49
GER1	LOADBA54
ITA1	LOADAA54
NOR1	LOADBA49
POR1	LOADBA49
DUT1	LOADBA50
EIR1	LOADBA49
SWI1	LOADBA53
NET1	LOADBA48
FRA1	LOADBA52
CIS1	LOADBA48
ETSI	LOADBA48
SPA1	LOADBA51
BEL1	LOADBA49
E403	LOADBA07
N403	LOADBA05
JTTC	LOADAC08
TCNZ	LOADAA13

LOADWARE	X21 0765P PSWV100
AUBR	LOADAA14
AUPR	LOADAA04
HKBR	LOADAA06
HKPR	LOADAA08
SING	LOADAA15
THAI	LOADAA07
NI02	LOADAA26
T1IS	LOADAA10
T1ES	LOADAA09
ESGF	LOADAC30
ISGF	LOADAC31
TEGF (ESGFTI)	LOADAC29
TIGF (ISGFTI)	LOADAC31
INDO	LOADAA06
JAPN	LOADAA16
MSIA	LOADAA04
CHNA	LOADAA04
INDI	LOADAA03
PHLP	LOADAA02
TAIW	LOADAA03
EAUS	LOADAA02
EGF4	LOADAC14
DCH3	LOADAA10
PUP3	LOADAA15
T1E1	LOADAA19
DITI	LOADAA40
CLKC[NTRB53]	LOADAA20

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