

Communication Server 1000

Release 7.6 & Service Pack 1

Release Notes

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Introduction

This Release Note profiles information about installation downloads and the supported documentation of Communication Server 1000 7.6 GA Release and Service Pack 1. This Release Note also contains important information about new features added to Release 7.6, fixes included in Service Pack 1, 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

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

Avaya Aura® Integration

- Improved integration into the Avaya Aura® communications platform through the implementation of Shared Bandwidth Management allowing Session Manager to dynamically manage the bandwidth of an Avaya Aura enabled network.

Quality and Stability

- Continued quality enhancements to improve overarching solution quality through the delivery of approximately 1700 fixes.

Serviceability and Time to Resolution

Improved serviceability through the implementation of 20 enhancements including:

- New guided Upgrade Application Tool to improve speed, success rate and repeatability of CS1000 upgrades. The tool is intended to guide the installer through the upgrade of a CS1000 system following existing documented best practices, and capturing relevant data from the installation during upgrade and from the system prior to upgrade.
- System Health check capabilities to aid in post system upgrade checking as well as providing diagnostics for in service systems
- Enhanced system troubleshooting/recovery capabilities for existing system functionalities
- Improved filtering capabilities on existing tools to speed diagnosis of issues

Customer Requested Enhancements

IP-Line and M39xx feature improvements include:

- Addition of a new UPN option to notify the originator that the dialed phone is unregistered or out of range
- Addition of a new VMSA/VMSD Class of service to allow/deny Voicemail soft-keys display on IP (Unistim) and M39XX phones
- Addition of a new parameter to the CDR to indicate whether a call is disconnected by call originator or by ACD agent set.

CLID (Calling Line ID) enhancements

Flexible CLID manipulation table with expanded ability to manipulate calling number digits improves interoperability with third party Call Servers, PSTN, OCS and other applications

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PI Plug-Ins

For a complete list of available PI plug-ins please refer to the offer definition which can be found on the 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

Upgrade Application and Health Check Tool

The Health Check Tool is a PC based GUI application that, when configured, connects to the systems to quickly assist customers or partners in determining if their systems have any issues that need attention/investigation.

The Upgrade Application is delivered as a component of the stand-alone Health Check Tool. It is intended to guide the installer through the upgrade of a CS1000 system following existing documented best practices, and capturing relevant data from the install as well as from the system prior to the upgrade. This application is intended for customers and partners to help simplify the upgrade process and ensure required information is available to emergency support personnel if system recovery is required during/after the upgrade.

The Health Check Tool/Upgrade Application is supported on Windows XP and Windows 7.

Details regarding installation and usage of this application can be found at: http://support.avaya.com

Downloads and Documents -> **Communication Server 1000** 7.6.x
Select Upgrades Guide NN43001-408
http://support.avaya.com/css/P8/documents/100170591

The application can be downloaded via PLDS: Click here to see details for Health Check Tool files

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CS1000 Software

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- CPDC and CPMG cards now require 4GB of RAM.
- 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 interop implications for other Avaya applications / DevConnect applications / SIP trunking prior to any upgrade – there is information in Appendix A reference the online Compatibility Matrix available on the Avaya Support Portal.
    - Avaya Aura® Session Manager (SM) 6.2 and Avaya Aura® System Manager (SMGR) 6.2 are supported with CS1000 R7.6. SM 6.2 FP1 (6.3) and SMGR 6.2 FP1 (6.3) are not tested or supported with R7.6, which will support SM 6.2 FP2 and SMGR 6.2 when available.
    - MPS 3.5 interop is supported for TDM only at GA of R7.6; SIP trunk interop will follow in October time. MPS 4.1 interop (TDM and SIP trunk) will be supported in August time; there is also the possibility for R7.6 customers to engage in MPS 4.1 trials from late April time.

Supported Upgrades

For the Communication Server 1000 7.6 Release and Service Pack 1, upgrades 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 PLDS Web site https://plds.avaya.com

Pre-Upgrade SUs files that have recently changed

PLDS file ID	Pre-Upgrade Description	File Name	Size (Mb)	MD5 Check
Release 6.0 Pre-Upgrade SU & Service Pack				
CS1K0000244	Linuxbase SU	nortel-cs1000-linuxbase-6.00.18.65-08.i386.001.ntl	0.78	0089D1C8F1A11472F545B9BB4D1B6FF7
CS1K0000044	Linux SP	Service_Pack_Linux_6.00_18_20130315.zip	335	EB22C6566DF930ABCDE1321E614E0EE1
Release 7.0 Pre-Upgrade SU				
CS1K0000245	Linuxbase SU	nortel-cs1000-linuxbase-7.00.20.10-10.i386.000.ntl	1.25	5383E5E5B115E8DA0F512DCF84BFE41C
Release 7.5 Pre-Upgrade SU & Service Pack				
CS1K0000117	Linuxbase SU	cs1000-linuxbase-7.50.17.16-15.i386.000.ntl	1.25	481151ED995004814E79B2F0986D627D
CS1K0000038	Linux SP	Service_Pack_Linux_7.50_17_20130308.zip	987	09F0FF59A6218B30AF7C92FF431060EB

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CS1000 Download and Installation

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

Other files from the SP1 list may be required to complete the installation depending on how the upgrade was ordered.

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

PLDS Service Pack 1 file listing

PLDS file ID	Description	File Name	Size (Mb)	MD5 Check
Communication Server 1000 7.6 Service Pack 1/Deplist and AMS QFEs				
CS1K0000106	AMS QFE #1	QFE-platform-7.0.0.623-0001-lnx.zip	0.855	D94BC32E4DC18FD65AD694C971C15D69
CS1K0000107	AMS QFE #2	QFE-platform-7.0.0.623-0002-lnx.zip	0.438	1D0ACECD8105AF3ED30A8BB3E8D452F5
CS1K0000108	AMS QFE #3	QFE-platform-7.0.0.623-0003-lnx.zip	0.858	397E87261BD1D1CF027AFF6A361EFDBC
CS1K0000109	AMS QFE #4	QFE-platform-7.0.0.623-0004-lnx.zip	2.4	16DE021485CA8621868AEF65C3D37542
CS1K0000221	AMS QFE #5	QFE-platform-7.0.0.623-0005-lnx.zip	1.88	67C56CD72AF8D97208408802A65C99B6
CS1K0000222	AMS QFE #6	QFE-platform-7.0.0.623-0006-lnx.zip	0.543	984CC38C89A1685DE7CC98B007AA4760
CS1K0000239	AMS QFE #7	QFE-platform-7.0.0.623-0007-lnx.zip	0.827	A687D5473A7616D22BF090D79A149CCE
CS1K0000243	Service Pack	SP_7.6_1.zip	722	61D52694CD1B5D0D471C47E1A724AA66
CS1K0000238	CPP4 Deplist	PP4_7.6_1.zip	0.008	2772D7C35396C83E7F0B6D2A345DB67A
CS1K0000248	CPPM Deplist	CPM_7.6_1.zip	0.008	DEB5D04C0AE6E5E86692CBE5B7654AD8
CS1K0000249	CPPL Deplist	CPL_7.6_1.zip	0.008	C4FB3EB09CC1E4CE663F2C9E9F3ABFFB
Communications Server 1000 7.6 S/W files				
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
CS1K0000229	Linux Base	cs1000-linuxbase-7.65.16.00.iso	941	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
CS1K0000232	Linux MAS	cs1000-linux-mas-76516-P100-M00.nai	856	5B7528070A4493DE27452E83D4D84108
Communication Server 1000 7.6 BIOS upgrade files				
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				
CS1K0000113	DECT Mgr	Setup.exe	79.5	CA0ED897DC5CA867E65E18C2592F9B8A
CS1K0000114	DBA Toolkit	dbasetup.exe	2.90	F0553B13F9A307D048047C074EA361D9
CS1K0000237	Health Check Tool	HealthCheck_v01.00.33.00.msi	4.64	1EDCFE75609E1C57A1331BBC23D1D7B4

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Installing the Service Pack

Before You Begin:

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 1 on CS1000 7.6 software load.

Call Server Service Pack (DepList) Installation Special Instructions

The call server deplist contains patch MPLR32431, which requires a call server INI to put the patch into service. This patch is only required on the CPP4 and CPPM vxWorks platforms.

To activate patch MPLR32047 the PI Enabler patch MPLR31699 must be installed. This patch is specifically designed for the German market to comply with recent changes to Telecom requirements. Please contact Avaya Backbone Support (BBE) if this patch is required.

Linux Service Pack Installation Special Instructions

The SP1 installation sequence for all Linux servers **after** upgrade/migration to 7.65.16 load:

- Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.00-04.i386.000.ntl)
- Install cs1000-dmWeb-7.65.16.01-06.i386.000 SU **before deploying the CS1000 applications on the UCM**
- Perform applications deployment
- Install the Service Pack

PI enabler patch MPLR29278 needs to be applied to activate code changes included in cs1000-tps-7.65.16.00-01.i386 for PI: SRG sets display. This sets USER ID line printing suppression. Please contact Avaya Backbone Support (BBE) if this patch is required.

AMS SP Installation Special Instructions

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

The order of patching CS1000 rls7.6 AMS servers is as follows:

Ensure that the AMS targets have QFE 1-7 patches applied prior the SP installation.

To install AMS patches use the following command under admin2:

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

- Install the latest linuxbase SU (cs1000-linuxbase-7.65.16.00-04.i386.000.ntl)
- Install SP

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Problems fixed in Avaya CS1000 Service Pack 1

The following are the fixes delivered in Avaya CS1000 7.6 Service Pack 1 software Release. These fixes are in addition to the Release 7.6 software load.

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

MPLR Number	Description	Machine Type
MPLR32331	SIP DECT hears ringback instead of busy tone when it calls a busy number	CPPM, CPP4, CPPL
MPLR32407	PI: German toll free queuing support to comply with latest TKG Telecom requirements ****Inactive without MPLR31699 Enabler****	CPPM, CPP4, CPPL
MPLR32423	CS1K1_phone_1 calls CS1K1_phone_2 which CFAC to CS1K2_SIPL through QSIG trunk, no-way speechpath	CPPM, CPP4, CPPL
MPLR32431	Unable to login using SSH on VxWorks Call Server (CPPM, CPP4), MGC and MC32S ******Requires Call Server INI******	CPPM, CPP4
MPLR32444	AACC 6.2 SP7 - Failed to route the network ACD call from CS1000 RLS 7.5 to CS1000 RLS 7.6 over MCDN	CPPM, CPP4, CPPL
MPLR32449	Call Server warmstarts while upgrading loadware on UDT card (NTDW79)	CPPM, CPP4, CPPL
MPLR32457	Call is dropped when SIPline blind transfers via SIP trunk to CS1K phone that CFB to Call Pilot	CPPM, CPP4, CPPL
MPLR32478	Parties in a monitored call cannot hear from the supervisor when MAS IP Conference is used	CPPM, CPP4, CPPL
MPLR32491	DECT MSMN (Multi-site Mobility Networking) sets do not work at visitor site	CPPM, CPP4, CPPL
MPLR32493	Configuration Capture Tool stops capturing logs	CPPM, CPP4, CPPL
MPLR32503	Poor Voice Quality when sets are redirected over MCDN-QSIG on tandem nodes.	CPPM, CPP4, CPPL
MPLR32522	MEM0217 and MEM222 repeat after removing data blocks	CPPM, CPP4, CPPL
MPLR32523	VTRKs appear stuck in LCKO/MBSY	CPPM, CPP4, CPPL
MPLR32536	Calls to music and ran will sometimes get no speech path or be cut short.	CPPM, CPP4, CPPL
MPLR32580	Prevent illegal combination of overlays being simultaneously loaded during GR database replication which can then cause corruption	CPPM, CPP4, CPPL
MPLR32584	Prevents CPPM/CPP4 INI after BERR0705 from accountSL1PrivLogoutTimeGet:..: ACOUNT_sl1:ACCLOUTG	CPPM, CPP4

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Table 2: Fixes delivered to CS1000 Linux SU Service Pack 1

SU ID	Description of fixes included in Each SU
cs1000-bcc-7.65.16.00-03.i386	Element Manager Phones Migration Error
	EM, Phones, Properties, User Defined names tab order
	Wrong error message when trying to retrieve invalid TN in BCC
cs1000-csmWeb-7.65.16.00-01.i386	Failed to save the node, error 'Server does not exist in Security Domain', CSM patch
cs1000-dmWeb-7.65.16.01-06.i386	System Upgrade of Linux Co-resident Call Server fails due to invalid keycode file.
	Call server pre-configuration details - validation screen does not 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
	Upgrade from 7.65.12 to 7.65.16 on cores fail
cs1000-emWeb_6-0-7.65.16.01-02.i386	Reset IP phone with rst fw in Element Manager fails. error sch0099 is reported
	Add new MBRA prompt in Element Manager
cs1000-Jboss-Quantum-7.65.16.00-02.i386	Need to add additional log messages in System logs for Grouping API
	NRSM System error displays on NRS page after applied SP
cs1000-linuxbase-7.65.16.00-04.i386	Uninstalling cs1000-Jboss-Quantum-7.65.16.00-01.i386.001 fails
	After SP activation AMS functionality failed to work.
	TPS and MSC apps are stopped after SP activation.
	SMGR_6.2 SP3: Failed to upgrade BO system from 7.65M to 7.65P new load.
cs1000-mscAnnc-7.65.16.01-01.i386	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	SBWM: 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
cs1000-mscAttn-7.65.16.01-01.i386	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	SBWM: 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
cs1000-mscConf-7.65.16.01-01.i386	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	SBWM: 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

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SU ID	Description of fixes included in Each SU
cs1000-mscMusc-7.65.16.01-01.i386	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	SBWM: 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
cs1000-mscTone-7.65.16.01-01.i386	Coredumps appear in MSC SS during over weekend traffic due to msc memory leakage
	SBWM: 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 d failed to show on Call Server
cs1000-nrsm-7.65.16.00-03.i386	Failed to restore NRSM Rls 5.5 DB via secure FTP server.
	NRSM Restore DB is missing the link to download the latest restore log file
	JSP cache is not cleaned during nrsmWeb patch installation
cs1000-oam-logging-7.65.16.01-01.i386	Jboss service is automatically restarted when working on Logs page.
cs1000-shared-carrdtct-7.65.16-01.i386	Fail to sync the Node configuration from EM
cs1000-shared-tpselect-7.65.16-01.i386	Fail to sync the Node configuration from EM
cs1000-snmp-7.65.16.00-01.i686	Snmp-Daemon-TrapLib failed to start after upgrade
cs1000-tps-7.65.16.00-01.i386	PI: SRG sets display. Set's USER ID line printing suppression. This a NO Charge PI patch.
cs1000-vtrk-7.65.16.01-03.i386	VTRK coredump occurs on CPPM cores rls 7.65M/13.
	DTMF tones failed to be recognized by the HMS system when calling from R2 MFC DID trunk
	Speechpath issue after transferring a CM user over SIP trunk and SIPCTI Contact header issue
cs1000-xemWeb-7.65.16.00-01.i386	Bulk provisioning is failed by transferring CEQU to destination although it was set as unique data

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Known Limitations and Operational Assistance

Please see table 3 for a list of known limitations and workarounds from Release 7.5 which are still applicable to Release 7.6 SP1

Table 3: Known limitations and workarounds in Release 7.6 Service Pack 1

Keyword	Problem Description	Workaround	Id #
Call Processing	There is no speech path when TDM sets call 1200 series set with CLS MSBT or MSAW using 10ms packet rates	12xx sets do not support 10ms packet rates with encryption enabled. Change the codec to 20ms or higher or disable encryption.	wi01055243
Interop	Call drops when using ACE_SIP interface to originate call from CS1K set 1 to CS1K set 2 Call Forwarded No Answer to CS1K set 3 Call Forwarded No Answer to Avaya Aura Messaging	No Known Workaround No Fix Planned for ACE 3.0 Issue will be solved in ACE 6.2	JIRA ACECORE 13442
Interop	Caller unable to leave message for CM Feature Server 9640 user which has CFAC to CM Evolution Server 4620 user CFAC to CS1K_CallPilot.	Solution is scheduled for Service Pack 2	wi01027299
Interop	When OCS user A makes a call to a CS1000 CDN (with AACC), then call is redirected to another CS1000 twinned user B, there is no VoIP pop up for User B on OCS client	User B to use twinned CS1000 set to answer. Solution is scheduled for Service Pack 2	wi01049654
Interop	OCS client cannot hear RAN announcement when making a call to AML_AACC by VoIP mode	Solution is scheduled for Service Pack 2	wi01052422
Interop	Calls from a Communications Manager based 96x0 phone drop immediately when answered by an OCS client twinned to a CS1K.	If the OCS user is in the office, use RCC mode to answer the call. Issue is fixed with MCM 04.50.00.09	wi01066271
Interop	CS1000 User cannot leave call pilot message if call tandems through BCM to another CS1000 user over SIP trunk and a 2 stage CFNA scenario	No Known Workaround Issue is being investigated by BCM team	wi1083075

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Keyword	Problem Description	Workaround	Id #
Media Services	Sometimes when using AMS IP Tones an intermittent issue has been observed in the following call scenario. Node 1 has two users, User A and User B, both of them have Messaging accounts on Call Pilot of Node 2. Node 2 has Call Pilot User B calls User A and leaves a message. User A logs into Call Pilot and retrieves message, then uses thru-dial to reach User B (User B has CFAC to his Call Pilot) Instead of hearing Call Pilot greeting to leave message, User A hears greeting to enter username and password and failed to leave message	Disable IP tones on AMS and use tones provided by MGC gateway	wi1056234
Network	Loss of both ELAN and TLAN connections on an MC32s with active calls may cause card to remain disabled after ELAN and TLAN have been restored	Login into PDT shell of card remotely and reboot the card.	wi00997111
NRS	Enabling Failsafe NRS failed to start the service automatically.	After enabling Failsafe NRS, you will need to issue the command "appstart dbcom restart" from the Linux CLI of the NRS server in order to get the failsafe server working properly	wi01059100
OA&M	HS audit services report error and always fail to complete. This is not caused by the audit identifying an issue, the audit itself is failing	No known work around	wi00834047
OA&M	Sometimes when removing a configured server in UCM it fails to remove the member link from the elements page. The link is not operational.	You can manually delete the link to the defunct element.	wi00948400
OA&M	Sometimes CORES Linux call server hangs in overlay 48 after issuing ENL MSDL L S C. Sometime BUG8019 and error messages are printed. MSDL card does successfully enable	Issue **** to exit overlay.	wi00999798
OA&M	Cannot disable Network Time Protocol (NTP) synchronization from EM	NTP synchronization can be disabled using LD 117 from CS CLI.	wi01001058

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Keyword	Problem Description	Workaround	Id #
OA&M	Sometimes when adding new customer on EM (COTs platform) with SSL web security enabled, potentially the oam.log cannot be logged on Primary UCM.	No known work around	wi01014067
OA&M	Sometimes when using SMGR->UCM ->EM to configure or modify zone Alternate Call Routing, it might fail with following error message: Configuration cannot be saved. XXX does not match required formatted"". XXX (numbers) is the ALT_PREFIX entered. None of the ALT_PREFIX are inputted successfully	Use CS overlay to configure it instead of EM.	wi01021070
OA&M	enlServices disServices & servicesStatusShow commands only work for an admin2 user. If you need to run these commands they will fail if you attempt to run them as an admin user	Login as admin2 user to use these commands	wi01024976
OA&M	When two different users are simultaneously adding sets in EM, after adding a large amount of sets the EM page may erroneously report that the call server has rebooted	No impact to system operation	wi01032599
OA&M	Sometimes "SRPT328 There is more than one element configured as Leader in the node" may appear on the call server. It can be ignored because there is really only 1 leader configured	No impact to system operation	wi01058896
OA&M	Sometimes when changing the IPMG prompt in overlay 97 , you may not be able to change from the default of MGC to MGS , the first time	Reload the overlay and you will be able to make the change	wi01072727
OA&M	When using EM to install a patch on a MC32S card, if the user hits the pstat button before applying the patch the user will not be able to apply the patch.	Click the media card pep link again or avoid using pstat before installing a patch.	wi01076251
OA&M	If Subscriber Manager is not deployed on the primary 7.6 server after an upgrade from a 7.5 system with Subscriber Manager deployed on the primary - phones with CPND cannot be retrieved in EM. .	Remove subscriber manager group from deployment manager and redeploy subscriber manager Solution is scheduled for Service Pack 2	wi01077689
OA&M	When Patch Manager is used to deactivate all patches on the call server Deplist the following BERR is seen. Some of the patches are not properly deactivated BERR705 EXC 1: Exception 13 in Task "mocSsh"	Deactivate and remove the patches using pdt or LD143(mdp uninstall) – all patches will be removed successfully without any BERR.	wi01085354

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Keyword	Problem Description	Workaround	Id #
Security	Call is dropped when CS1000 phone calls to AAM when Media Security is set to ON	Disable Media Security or set it to Best Effort on CS1000	wi01035910
Security	MSC GW does not work with SM via TLS	Configure MSC to use TCP or UDP instead to SM.	wi01057777
SIP Line	If the original call is disconnected while making a blind transfer on a SIPL set, the transfer key will remain non-functional	Solution is scheduled for Service Pack 2	wi01033834
SIP Line	SIPL MSAW (Media Security Always) failed to blind transfer the call to another SIPL MSAW	Configure sets as MSBT. (Best Effort) Solution is scheduled for Service Pack 2	wi01052428
SIP Line	SIPL set configured with MSAW cannot retrieve a parked call when original call was between Rls 6.0 CS1K and Rls 7.6 CS1K unistim clients.	Issue is specific to MSAW and will not appear if media security is disabled or set to best effort.	wi01058420
SIP Line	Users of Lync add-in for CS1000 are unable to register if their previous session from a different IP was terminated without logging off.	CS1000 administrator will need to force log-off the user using the CLI command slgDeregByUID. Users should always take care to log-off their client before changing locations.	wi01072119
SIP Line - IPv6	SIP Line when used in combination with IPv6 and Media security is not supported.	No known work around	wi01071636
Upgrade & Migration	Sometimes the deployment manager might display for an extended period of time "Upgrade Reboot has commenced" even though system was upgraded successfully.	Monitor the CLI of the target system for successful upgrade. If apps have been deployed, the message in DM can be ignored. It will eventually update and reflect the correct status.	wi01057341
Upgrade & Migration	After converting an Option 11C small system database to Release 7.6 IPMG 0 0 was not properly added in Element Manager	Configure the IP addresses for IPMG 0 0 using OVL 97	wi01070856
Upgrade & Migration	Failed to add Signaling Server to the node IP due to no available SS for NRS,SS, EM deployment	Solution is scheduled for Service Pack 2	wi01073722
Upgrade & Migration	Sometimes the System will display RDUN error after upgrading both cores of an HA system that has been configured to switch cores during midnights.	Use LD 137 TEST RDUN. This command will show failure but next core swap will work as expected	wi01075674
Upgrade & Migration	EM fails to launch after performing a local upgrade (upgrade Linux base from local CLI, then deploy apps using local deployment manager)	SMGR 6.2 workaround - Log into UCM -> Elements -> choose 6.0 Element Manager and select edit. Change its release to 7.6 Solution is scheduled for Service Pack 2	wi01076819

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Keyword	Problem Description	Workaround	Id #
Upgrade & Migration	Sometimes the IPsec page might not display MGC element after upgrade from 7.50Q to 7.65P.	No known workaround	wi01076901
Upgrade & Migration	Sometimes "After upgrade, previous assigned custom SNMP profiles may become unassigned and instead of custom profiles, default profiles become assigned.	Admin needs to reassign the customer SNMP profiles after upgrade.	wi00948443
Upgrade & Migration	When admin tries to restore from previously backup DB files in PFMD/FMD/FTP/RMD, if admin selects non-existing version on EM in restoring process, restore would fail without appropriate warning messages.	Admin will need to check CLI or report logs to validate if the restore is successful. (Look for TEMU191 or 192s to determine success or failure of the restore.)	wi00999642
Upgrade & Migration	The save and transfer fails since the presence of mandatory parameter “Application Node ID” is not checked during the first transfer of node files after upgrade from 5.5 to 7.6	If upgrading from Rls 5.5 or lower, need to validate if application node id is configured within Element Manager after transferring node properties.	wi01004752
Upgrade & Migration	After upgrading from Releases 5.5 to 7.6 some of the node settings fields in EM may be empty.	Reconfigure the node settings in EM.	wi01006260
Upgrade & Migration	When using SMGR to upgrade CS1000 SS, selecting the Server and selecting 'System Upgrade' from the drop down menu Upgrade can fail with the error message ‘Could not Validate Keycode. Probably there is not enough memory on Remote host....."	This message is potentially misleading as there may be other reasons for the failure - for example invalid SSH keys. The SSH Keys should be checked	wi01057521
Upgrade & Migration	Failed to save & transfer NodeIP on the SIP Gateway due to an invalid configuration of CTI service, CLID Presentation, after upgrade from Rls 5.5 to 7.6	Enable CTI service, input a dummy international number and then disable the CTI service. Save and transfer will now work.	wi01071985
Upgrade & Migration	Sometimes after an upgrade from rls 6.0 to 7.6 the UCM virtual terminal database may be lost.	Reconfigure the virtual terminals.	wi01076214
Virtual Trunk	If VNR RLI has SIP route and then H323 route and VNR/MALT CIS configured and DMI for SIP route is not correct, it might fail to reroute the call via H.323 route.	Configure dtrk or another SIP route in Route Entry instead.	wi01018324

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Keyword	Problem Description	Workaround	Id #
Virtual Trunk	"If SIP DCH is configured as NMS 1 Make call from CM User A to CS1K_Unistim User B. CS1K_Unistim User B does not answer the call 2.The call is forwarded to CM User C 3 CM User C does not answer the call 4 The call is forwarded to Call Pilot. 5 CM User A leaves a voice message but it fails to light up User B's MWI.	NMS is only expected to work with MCDN compatible systems. Configure DCH to use MWI instead of NMS for CM	wi01024706
Virtual Trunk	Network ring-again (NRAG) fails to work if the CS1000 SIP gateway proxy is configured as proxy 2. It will function if configured as proxy 1.	Configure other CS1K SIP gateways as proxy 1 and other SIP carrier service providers as proxy 2 instead of the opposite.	wi00836406
Virtual Trunk	“No route found” error when using route test function with NRS in collaborative mode. Call still proceeds, it's merely the test that fails.	No impact to system operation	wi00864808

- 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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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.

Avaya Aura® Session Manager (SM) 6.2 and Avaya Aura® System Manager (SMGR) 6.2 are supported with CS1000 R7.6. SM 6.2 FP1 (6.3) and SMGR 6.2 FP1 (6.3) are not tested or supported with R7.6, which will support SM 6.2 FP2 and SMGR 6.2 FP2 when available.

MPS 3.5 interop is supported for TDM only at GA of R7.6; SIP trunk interop will follow in October 2013 time. MPS 4.1 interop (TDM and SIP trunk) will be supported in August 2013 time; there is also the possibility for R7.6 customers to engage in MPS 4.1 trials from late April 2013 time.

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 Element) (included in Linux image)	7.0 (7.0.0.623)
MC32S	7.65.16
MC32S Gold	6.00.15
MC32S Boot	6.00.15

Digital Set Firmware	Version Number
3902	84
3903	91
3904	94
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
IP Phone 2001 Phase 2	0x02	DCO
IP Audio Conference Phone 2033	*2310	S96
IP Phone 2007 Phase 2	*0621	C8Q
IP Phone 1110	*0623	C8Q
IP Phone 1120E	*0624	C8Q

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IP Client Model Number	Firmware ID	Firmware
IP Phone 1140E	*0625	C8Q
IP Phone 1150E	*0627	C8Q
IP Phone 1165E	*0x26	C8Q
IP Phone 1210	*0x2a	C8Q
IP Phone 1220	*0x2a	C8Q
IP Phone 1230	*0x2a	C8Q

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
CSP	DC01
MSP	AB02
APP	BA18
FPGA (MGCF)	AA22
BOOT	BA18
DSP1	AB06
DSP2	AB06
DSP3	AB06
DSP4	AB06
DSP5	AB06
Other Loadware	
UDTC	AB17
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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