

April 16th 2007

Release Notes for the MCS 5100 v3.5.8

** Load version: mcp30wk16a_build923.zip
** MCS 5100 3.5 PC Client version: EnterpriseClient((3.6.133_20061113)_Release.exe
** MCS 5100 3.5 Multimedia office Client version: MMOfficeClient((3.6.133_20061113)_Release.exe

** The changes introduced in PC Client and MOC client are available
under the release notes of PCC and MOC client. These release notes are
available in CD6 of MCS software.

*** These release notes contain information
*** a) specific to MCS5100,
*** b) common to both MCS5100 and MCS5200, and
*** c) specific to MCS5200

*** References to MCS5200-specific information should be ignored. These
*** release notes may become out-of-date, without notice, with respect to
*** information exclusive to the MCS5200 product, .

** These notes are best viewed in a mono-spaced font such as courier **

Copyright 2006 Nortel Networks. All rights reserved.

The information in this document is proprietary to Nortel Networks. Except
as specifically authorized in writing by Nortel Networks, the holder of this
document shall keep the information contained herein confidential and shall
protect same in whole or in part from disclosure and dissemination to third
parties and use same for evaluation, operation, and maintenance purposes only.
Changes or modifications to this Release Notes document without the express
consent of Nortel Networks may void the user's warranty and/or authorization
to operate the equipment.

Information in this document is subject to change without notice.
Nortel Networks reserves the right to make changes in design or components
as progress in engineering and manufacturing may warrant.

Nortel Networks, the Nortel Networks logo, and the Globemark are trademarks
of Nortel Networks.

All other brands, names, or trademarks mentioned in this document are the
property of their respective owners.

Introduction

This Release notes file provides a simple introduction to the MCP software and known key software limitations.

Sections:

- 1) MCP Software Version Line Up
- 2) Documentation pertaining to MCS and other General Information
- 3) Version Check Information
- 4) Special Patch Instructions
- 5) Solved Issues
- 6) Details on Solved Issues Needing Further Explanation
 - **NOTE: Be sure to check this section for additional information on MCS fixes**
- 7) Running list of closed CR's

NOTE on Multimedia Office Client ASU procedure:

While performing ASU of Multimedia office client, exit Microsoft Outlook and wait for at least 5 minutes before re-launching the outlook for upgrading to the new release. Otherwise ASU may fail.

Section 1

IMS Software Version Line Up

Note: ** Indicates an update has happened from the previous MR.
Special Instructions are in Section 4

Solaris Chassis:

**Netra t1400 OS:	Solaris 5.8 Generic_117350-45 Ultra-80
**Sun Fire V100 OS:	Solaris 5.8 Generic_117350-45 UltraAX-i2
**Netra 240 OS:	Solaris 5.8 Generic_117350-45 Netra-240
**Sun Fire V210 OS:	Solaris 5.8 Generic_117350-45 Sun-Fire-V210

DSM:	2.1.3
NTme:	Rel2.0 3.3.4
LOM:	2.0,REV=2000.08.22.14.14

Sun VTS (Diagnostic utilities):	5.1,REV=08.02.07.25
SUNWsprout:	5.8,REV=1999.12.12.00.00
JRE:	1.4.2_06
DiskSuite:	4.2.1
Iplanet:	6.0 SP10
** MCS 5200 2xxx firmware versions:	
i2004 Firmware (Phase 1)	0602B60 (B60)
i2004 Firmware (Phase 2)	0604D65 (D65)
** MCS 5100 2xxx firmware versions:	
**i2007 Firmware	0621C3J (C3J)
i2004 SIP Transitional Firmware	CT12D97 (D97)
i2004 SIP Enabled Firmware	0692D93c13 (D93)
i2004 Firmware (Phase 1)	0602B60 (B60)
**i2004 Firmware (Phase 2)	0604DAS (DAS)
NOTE: MCS 5100 customers must explicitly enter DAS in the IP ClientManager tab of the management console for their IPCMs	
** MCS 5100 11xx firmware versions:	
**11xx SIP Firmware	(D14)
** MCS 5100 1535 firmware versions:	
**1535 SIP Firmware	0.01.70
MCS 5100 WiCM Version:	4.0.5
MCS 5100 Wireless Client:	3.41
** MCS 5100 Patch CDs Version:	17
Logpurge Checksum:	805206847
Startconsole.init Checksum:	3207077494
snmpd Checksum:	1068663171
Oracle9i Enterprise Edition	9.2.0.4.0 64bit Production
PL/SQL Release	9.2.0.4.0 Production
CORE	9.2.0.3.0 Production
TNS for Solaris:	9.2.0.4.0 Production
NLSRTL Version:	9.2.0.4.0 Production
Motorola UAS Chassis:	

Global Server	3.1.2.6
UAS	06
UAS06MR	MU
DSM	2.1.3
Windows	SP4

Motorola RTP Chassis:

Linux Redhat	6.2
Motorola HA Linux	2.0
DSM	2.1.3
Patch Level	3.0.5

Media Application Server Chassis:

Hardware: IBM x335 Dual 2.8 GHZ - 533MHZ FSB - 1GB RAM
Windows 2000 Server Service Package 4
Broadcom Advanced Server Program (BASP) Driver Version: 6.1.8
Broadcom NIC driver version: 8.22.1
Windows2000-Hotfix-KB823980 (Buffer Overrun in RPC)
Windows2000-Hotfix-KB823559 (Buffer Overrun in HTML Converter)
Windows2000-Hotfix-KB824146 (Buffer Overrun in RPCSS)
Windows2000-KB891711-x86-ENU.EXE (Vulnerability in Cursor and Icon Format Handling Could Allow Remote Code Execution)
Windows2000-KB899591-x86-ENU.EXE (Vulnerability in Remote Desktop Protocol Could Allow Denial of Service)

Hardware: IBM x336 Dual 3.6 GHZ - 533MHZ FSB - 1GB RAM
Windows 2000 Server Service Package 4
Broadcom Advanced Server Program (BASP) Driver Version: 6.1.8
Broadcom NIC driver version: 8.22.1
Windows2000-Hotfix-KB823980 (Buffer Overrun in RPC)
Windows2000-Hotfix-KB823559 (Buffer Overrun in HTML Converter)
Windows2000-Hotfix-KB824146 (Buffer Overrun in RPCSS)
Windows2000-KB891711-x86-ENU.EXE (Vulnerability in Cursor and Icon Format Handling Could Allow Remote Code Execution)
Windows2000-KB899591-x86-ENU.EXE (Vulnerability in Remote Desktop Protocol Could Allow Denial of Service)

BladeCenter MAS Firmware/BIOS

BladeServer (HS20 Type 8832):
BIOS: Build BSE124AUS, Revision 1.10
Diagnostics: BSYT16AUS, Revision 1.04
Management: BWBT17A

Broadcom NIC: 5704s-v3.36

Ethernet Switch Module(4 PORT):

Boot ROM: BRESMB4G, Revision 0
Main Application: BRESMR4G, Revision 97

BC Management Module Firmware:

Main application: BRET85M, Revision 16
Boot ROM: BRBR73F, Revision 16
Remote Control: BRRG85M, Revision 16

HS20 Type 8832 blade server:

v1.07 (Build ID BSE120AUS)

-- Note, this is now included in the UpdateXpress CD, so if upgrading from an MR prior to 3.0.20, using the UpdateXpress CD as referenced in the Patches section will be sufficient. The UpdateXpress CD contains MAS Operating system and firmware patches. This CD is an auto executable used for updating MAS servers with operating system and firmware patches.

** MAS Platform Load: 3.1.653_2007.03.01
** Music On Hold Load: 3.1.653_2007.03.01
** Chat Load: 3.1.653_2007.03.01
** Announcements Load: 3.1.653_2007.03.01
** AdHoc Load: 3.1.653_2007.03.01
** MeetMe Load: 3.1.653_2007.03.01
** Web Collab Load: 3.1.653_2007.03.01
** MeetMe Web Collab Load: 3.1.653_2007.03.01

Universal Signaling Point:

(Note: This part of the document is related to MCS 5200)
USP 8.1.3

3rd party loads that have been tested with this MCP release:

Vegal00 08.02.07.1 S030
Mediatrix 1104 (FXS) 4.4r12.83
Mediatrix 1204 (FXO) 4.4r12.83
** AudioCodes 4_40_254_480
Comverse Rel 6.210
CallPilot 02.50.06

PC Client has been verified with the following Operating Systems:

- Windows XP Professional Version 2002 with SP2
- Windows 2000 5.00.2195 service pack 4
- Windows 98 Second Edition
- Windows NT with SP6

Section 2

Documentation pertaining to MCP and other general information

This section is intended to provide the reader with reference to official MCP documentation and other general information.

MCS 5100 MCS 5200 Customer NTP documentation

<http://www.nortel.com/>

Click on Technical Documentation link on the top of the page under "Products & Services" menu.

Click on MCP in the middle column under "By Product Family."

Click on Documentation under Multimedia Communication Server 5200 or 5100.

Section 2a

Additional/Changed Documentation

This section is intended to provide the reader with additional reference to official MCP documentation.

(Introduced in 3.5.6.2 EMR)

MCS 5100 now supports V210 Solaris servers for RoHS compliancy for European Union countries. One new cd MCP V210 - Disk Partitioning & Solaris OS Kernel CD-1 has been introduced and the cd for MCP Installation & Commissioning (CD-4) has been updated for V210 support.

Multimedia Communication Server installation and commissioning guide for v210:

NN42020-310	2	Server Sun Fire v210 (RoHS) Solaris Installation And Commissioning guide.
NN42020-311	4	Server Sun Fire v210 (RoHS) Solaris Installation And Commissioning guide.
NN42020-312	8	Server Sun Fire v210 (RoHS) Solaris Installation And Commissioning guide.

(Introduced in 3.5.6.1 EMR)

MultiMedia Office Client (MOC) is introduced and executable for the same is available on client CD 3.5.6.1. ASU files and MOC release notes are available on the Application KeyCoded Software CD (CD-6).

(Introduced in 3.0.56 MR)

None.

(Notes from previous MRs)

MCS 3.x Network Engineering and Deployment Guide under Security section covers information on the ports used by the MCS elements. The documentation bulletin 017570-01 has replaced 017452-01 and covers the expanded and revised port list for the MCS elements. Please refer to the documentation bulletin 017570-01 for the latest MCS port list.

Section 2b General Information This section is intended to provide the reader with general information about recent updates or modifications
--

(Introduced in MR 3.5.8)

This MR provides enhanced NA DST changes for MAS Operating Systems so that system Clock get Adjusted automatically to the correct time.

Western Australia is introducing daylight saving on a trial basis for the next three years. Microsoft products which are aware of daylight saving time changes need to be updated to include the new Western Australia time zone rules. The following table shows the start and end dates for the daylight saving period in each year of the trial.

Start	End
the hour of 2 a.m. on 3 December 2006	the hour of 2 a.m. on 25 March 2007
the hour of 2 a.m. on 28 October 2007	the hour of 2 a.m. on 30 March 2008

the hour of 2 a.m. on 26 October 2008 the hour of 2 a.m. on 29 March 2009

Note: Both the start and end time are specified in standard time, so the end time is 3 am daylight saving time. This MR will have the DST changes for West Australia for MAS. Also the timestamps of Voice Mail and SIP logs in MAS are updated as per DST.

(Introduced in EMR 3.5.7.3)

US Day light Saving Changes in 2007 will change the clock on 11th March from 2 AM to 3 AM. Also after 30 years of debate, the Western Australian government decided on November 22, 2006, to begin a three-year trial of Daylight Savings Time starting two weeks later, on December 3, 2006. This change will put Western Australia, whose capital is Perth, in line with most other Australian states and territories. This EMR is to apply these DST changes for various MCS server and applications.

**This EMR provides DST changes for RTP Media Portal and Solaris Operating Systems so that system Clock get Adjusted automatically to the correct time. It also include the New Zone information introduced in latest JRE to accomodate the Day Light Saving Changes for US. This will ensure that the Management console Alarms, OM and Logs have the correct time when the DST chages are applied.

DST changes for West Australia is provided for Solaris OS only.

Note: Please refer to the Product Bulletin. No: P-2006-0154-Global-Rev1
Dated: 13 Feb 2007 for more details.

(Introduced in 3.5.7)

New minor alarm is created to indicate the high system load so that system administrator can take necessary action to prevent the system getting into full overload and to avoid the loss of new calls. For more details, please refer section-6.

(Notes from previous MRs)

(Introduced in 3.0.55 MR)

Nortel is pleased to announce that admin personnel can now bulk import/export the list of authorized SIP nodes in the "Authentication" tab of the appsvr in the System Management Console. When upgrading the appsvr component, the person performing the upgrade will notice two new buttons on the "Authentication" tab. The buttons are "Import" and "Export". The "Export" button allows the admin to export the current list of IP addresses configured for an appsvr into a text document. The admin can then update the list and then choose the "Import" button to read in the new IP address data. This is particularly useful in an N+M environment where the IP address list must match in multiple appsvr. Each IP address is validated and must be separated by either a carriage return or the "+" (plus sign) character.

(Introduced in 3.0.54 MR)

An additional configuration parameter is now present in the "In Memory Database" tab of all appsvrs in the System Management Console. The parameter is "Enforce Subscriber Count". When upgrading to 3.0.54 (or subsequent MRs from a release prior to 3.0.54), the "In Memory Database" tab of all appsvrs will appear blue and this field will be present. The default is disabled, so no action is necessary. If this parameter is enabled (i.e. the checkbox is selected), then the appsvr will only allow a certain number of UNIQUE user registrations. The value that will be allowed is per appsvr and is configured by the "Number of users" field in the "In Memory Database" tab. If the "Enforce Subscriber Count" is not enabled the system will not enforce registrations.

As an example, if the "Number of Users" field is set to 2, "Enforce Subscriber Count" is enabled, and two distinct users (user1 and user2) are already logged in, if a 3rd user (user3) attempts to login/register, a "603 Declined" message will be sent back to user3 and that user will not be able to register until the number drops below 2.

(Introduced in 3.0.54 MR)

The following content is included as part of the MCS 5100 3.5 release.

| A) Description of New Features |

1. DNS Support

This feature is a part of Location Modifier service. It provides support for name resolution of foreign domains via Domain Name Services (DNS).

2. Support of i2004 SIP phones (including upgrades using TFTP)

This feature is the upgrade of Unistim i2004 phase 2 to SIP i2004 phase 2 phone. The switchover from Unistim mode to SIP mode happens in three steps:

Step 1: Download a transitional firmware to install Reliable Flash File system(RFFS). The firmware version to be downloaded is CT12D97.

Step 2: Download SIP firmware. The firmware to be downloaded is 0692D93

Step 3: SIP configuration and mode change. This step consists of the following:

- a)Configuration of TFTP server address
- b)Configuration of DNS server address
- c)Change of Action code to SIP(7)
- d)Configuration of S1/S2 addresses and port numbers
- e)Configuration of S1/S2 SIP domains

To support this feature in MCS 5100, the following GUI changes are done in the Management console:

Three new fields have to be added to the 'IP Client Manager' tab

page of the IPCM component's 'Query' and 'Modify' windows. They are:

- 2004 SIP Transitional Firmware ID: This is an editable text field. The three letter suffix of the transitional firmware indicating its major and minor release numbers has to be entered here. Ex: 'D97'
- 2004 SIP Enabled Firmware ID: This is an editable text field. The three letter suffix of the SIP firmware indicating its major and minor release numbers has to be entered here. Ex: 'D93'
- Enable 2004 SIP Upgrade: This is an editable check box. This check box enables the three step SIP upgrade of 2004 phase 2 devices. If not, a UNISTIM based firmware(0604Dxx) will be downloaded to the 2004 phase 2

When the phone is in SIP mode, it communicates with the application server, which does not have the capability to download firmware.

In SIP mode the upgrade to new SIP firmware has to be done using TFTP server.

For more information on this feature, please refer to the NTP document NN10300-081.

3. Support of 2007 phones.

2007 IP phones are based on i2004 phase 2 phones.

This feature support of 2007 IP phones in MCS 5100 Rls 3.5 is limited to the following features only:

Support of 2004 phase 2 feature set and 2004 phase 2 key mapping only

Support of download of 2007 specific firmware from System management console

Support of UNISTIM mode of operation only

2007 specific features (USB interface, video camera, etc.) not supported

To support this feature in MCS 5100, the following GUI changes are done in the Management console:

The following field has to be modified in the 'IP Client Manager' tab page of the IPCM component's 'Query' and 'Modify' windows.

- 2007 Firmware ID: This is an editable text field. The three letter suffix of the 2007 specific firmware indicating its major and minor releases has to be entered here. For ex: 'C29' or 'C3J'

4. Support of X.336 MAS platform

This feature is to support new MAS hardware IBM X.336.

The X.336 supports all the MAS applications:

- Adhoc conferencing
- MeetMe conferencing
- Chat
- Music on hold
- Announcement
- MeetMe Web Collaboration
- Web Collaboration Server

5. Support of WiCM and Wireless clients

This feature supports Wireless Client Manager for MCS 5100 Rls 3.5.

The WiCM is an application that converts the Hyper-Text Transport Protocol(HTTP) request from wireless clients into SIP and SOAP, and vise versa.

The WiCM communicates using SIP protocol to MCS 5100 application server.

This feature enables wireless clients to talk to MCS 5100.

The wireless clients are supported on Blackberry wireless sets.

6. Support of Web Application Collaboration Server on an X-Blade server.

This feature supports Web Application Collaboration server on the new hardware IBM X-Blade Windows 2000 Server Image.

The Web Application Collaboration was only supported on the IBM X.335 Windows 2000 server image in release 3.0.

7. Simplified PC Client

The simplified PC Client is a new version of the PC client which offers a simplified user interface.
This PC client supports a customer skin-able interface.
The default user interface remains identical to the 3.0 version of the PC Client, and is known as the standard skin.
A new user interface is provided as a user selectable option, known as the simplified skin.
The PC Client user switches between skins via the User Interface option on the Tools -> Preferences... window.

B) Installation and configuration instructions

DNS configuration

This feature is configured via the System Management console.
To enable/disable the feature, perform the following steps at the Management console:

1. Select Sites->MgmtSite->Servers
2. Select the required server and expand the list of components
3. Right click on the required SIP Application component.
4. Select Lock in the invoked popup menu.
5. Right click on the required SIP Application component.
6. Select Modify in the invoked popup menu.
7. In the opened window, click on the "Location Service Manager" tab.
8. Define the following parameters:
 - Use DNS SRV - Indicates whether the DNS query capability is enabled or not;
 - DNS SRV URL - DNS server IP address;
 - DNS Cache TTL - Time to live of records in the local DNS cache (in seconds). Default value is 600 seconds (10 minutes).If "Use DNS SRV" checkbox is checked, all other parameters are to be defined.
9. Click on "Apply" button.
10. Right click on the required SIP Application component.
11. Select Unlock.

i2004 phase 2 upgrade

Unistim Mode to SIP mode:

N.B.

A TFTP server is NOT required for initial upgrade from Unistim to SIP mode.

Instructions for customizing the configuration file:

There is no graphical tool available in release 3.5 to automate the creation or editing of the SIP-mode configuration file.

1. Login into IPCM server using SSH with 'nortel' username.
2. `cd /IMS/esm/data/esm/config/`
3. `cp SipUpgradeConfigFile.template SipUpgradeConfigFile.txt`
4. Make changes and save `SipUpgradeConfigFile.txt`.

For editing this file, either use 'vi' editor on IPCM server or transfer it (using ftp put from the IPCM) to another computer of your choice, such as a Windows PC or UNIX workstation, make changes using a text editor of your choice, and transfer it back to IPCM server (using ftp get from the IPCM)

Note:

If `SipUpgradeConfigFile.txt` is created or updated at runtime, i.e, after IPCM has been started, uncheck, save, check and save again, the 'Enable 2004 SIP upgrade' checkbox in management console, for the configuration file changes to take effect in IPCM.

This feature is configured via the System Management console.

1. Select Sites->MgmtSite->Servers
2. Select the required server and expand the list of components
3. Right click on the required IPCM component.
4. Select Lock in the invoked popup menu.
5. Right click on the required IPCM component.
6. Select Modify in the invoked popup menu.
7. In IP Client Manager'tab input transitional and SIP fw ID and Enable 2004 SIP upgrade.
8. Issue download firmware command either from management console or from i2004 phase 2 phone.

SIP mode old version to SIP mode new version:

This done using the TFTP server.. The TFTP server is external to MCS 5100.

1. Configure the TFTP server IP address. This will be done when switchover from IPCM.If not done or to change the TFTP address, reboot the i2004 set in SIP mode and configure the TFTP address.
2. Copy the four files into a new directory the PC where TFTP server is

installed.

The four files are:

- Francasis.lng
- 2004SIP.img
- 2004sysConfig.dat
- 2004tftp.cfg

3. Edit the 2004tftp.cfg.

4. Edit the 2004sysconfig.dat.

5. Run the TFTP server which is pointing to this new directory containing four files.

6. Reboot the set or select the "Check for updates" function on the phone.

The set will connect to the TFTP server and the new firmware and configuration will be downloaded.

TFTP server configuration

To configure a TFTP server, the customer provides their own TFTP software, and copies the contents of the SIP Phone Firmware Upgrade CD - TFTP CD into their TFTP directory to allow 2004 SIP phones to download the files.

The CD contains 4 files. All of these files must be copied to the TFTP server.

Two of the files must be edited by the customer as described in the TFTP config file description guide. Customization highlights are listed below.

The supplied files are templates only. They provide example syntax, and can be edited directly. The files to edit are:

- a) 2004sysConfig.dat
- b) 2004tftp.cfg

NOTE: Reuse existing files to avoid editing all parameters for each MR.

Customization highlights

a) 2004sysConfig.dat file

This file describes the device configurations.

Note: Whenever this file is modified, the associated VERSION number in the 2004tftp.cfg file must be incremented.

SIP_DOMAIN1 - domain for S1 - change this to the appropriate domain

SIP_DOMAIN2 - domain for S2 if S2 is an application server IP

TIMEZONE_OFFSET - this is a signed integer describing the timezone offset from UTC, in seconds. Example, ET (Eastern Timezone in North America) is -5 hours (minus 5 hours), so the correct offset value is -18000

DST_ENABLED - enable auto time adjustment for daylight saving time (summertime). YES or NO

VMAIL - voicemail number (just as a user would dial it)

b) 2004tftp.cfg file

This file tells the 2004 boot loader which files to download.

The file is divided into sections defined by labels in square brackets, ex [FW]

VERSION - each section includes a VERSION parameter. From one version of the TFTP CD to the next, this parameter must be increased in it's alphanumeric value to cause the associated data file to be downloaded by the 2004 IP client.

Version values are alphanumeric.

Ex. 0001 is less than 0002, and both of these are less than 1

DOWNLOAD_MODE - options are AUTO or FORCED. With AUTO, downloading of the associated file by the 2004 IP client is based on the associated VERSION value. (default is AUTO)

FILENAME - name of the associated file (should not require editing)

SERVER_IP - 4 octet IP address of the TFTP server (MUST be customized)

TFTP server software: tftpd32 is freely available at <http://tftpd32.jounin.net/>
#####

2007 phone

This feature is configured via the System Management console.

1. Select Sites->MgmtSite->Servers
2. Select the required server and expand the list of components
3. Right click on the required IPCM component.
4. Select Lock in the invoked popup menu.
5. Right click on the required IPCM component.
6. Select Modify in the invoked popup menu.
7. In IP Client Manager'tab input 2007 firmware Id.

X.336 MAS platform

Software installation is identical to the X.335 platform.

WiCM and Wireless Client.

Refer to the NTP NN10300-027 Wireless Client Manager Basics.

Refer to the NTP BlackBerry Mobility Client - User Guide.

Web Application Collaboration Server on an X-Blade server

Refer to NTP NN10283-002 - Web Collaboration service Guide.

Simplified PC Client

1. Close the Microsoft Outlook.
2. Close any previous running PC clients.
3. Click on MMPCClient(3.5.XXX_XXXXXXXXXX)_Release.exe.
4. Follow the instructions of the InstallWizard.

Note: The new PC Client will remove any old MMPC Clients and install the new one.

(Introduced in 3.0.54 MR)

Nortel is pleased to announce two additional capabilities to the PC Client Theme Developer Kit (Phase II). The capabilities are Pluggable Loads and Custom ASU Packages.

1) Pluggable Loads

DESCRIPTION:

The TDK allows you to plug in which PC Client load you would like to apply your theme to when generating a custom installer or custom Automatic Software Upgrade (ASU) package. For example, you may use your TDK from MR 54 to build a custom version of the PC Client MR 54, PC Client MR.55, 56, etc. You can use TDK from MR 55 to build PC Client MR 54, 55, 56, etc.

If you don't plug in a specific PC Client load, the TDK will create a custom installer based on the PC Client built on the same day as the TDK you are using. For example, by default the TDK from MR 54 builds a custom PC Client MR 54.

LIMITATIONS:

a) This functionality is only available with MR 54 and above. You cannot plug in a PC Client load from MR 18 and generate a custom installer from it.

b) Newer TDK loads can be used to build older PC Clients (MR 54 and above). Using older versions of the TDK (MR 54 and above) to build a newer version PC Client is not supported. For example, an MR 55 TDK can be used to build a MR 54 PC Client, however an MR 54 TDK cannot be used to build an MR 55 PC Client.

ASU FORMAT:

What format are pluggable PC Client loads in and how do I get them? PC Client loads that you plug in to your TDK are the same as the ASU packages you receive at every MR. Each load is a ZIP file. A fictitious example is MMPCCClient(3.0.477_20050907)_Release.zip.

USAGE:

In the menu, go to Build Options. In the Build Options dialog, specify the "Base load" by browsing for the ZIP file you wish to apply your theme to. When you click to build a custom installer or custom ASU package, the resulting PC Client will be based on the load contained in the ZIP file.

2) Custom Automatic Software Upgrade (ASU) Packages

DESCRIPTION:

At every MR customers will receive an ASU package that they must upload to their provisioning server if they chose to use ASU to update PC Clients. This package will be downloaded by all users and the PC Client will use it to upgrade to that MR. These files are in ZIP format. An example is MMPCCClient(3.0.477_20050907)_Release.zip.

Putting these files directly on the server will overwrite customizations on each user's machine during the ASU upgrade. In particular, custom skins, strings, splash screen and application icon may be overwritten.

The solution we offer is to plug in the ASU package into the TDK, and build a custom ASU package that preserves the custom changes.

USAGE:

1. Load your custom Installer Theme (.icf file) in TDK.
2. In the menu, go to Build Options. In the Build Options dialog, specify the "Base load" by browsing for the ASU package ZIP file you wish to customize.
3. In the build menu, click to generate ASU server files. The build process will generate a customized ZIP file which will preserve your customizations during ASU.
4. Upload the custom ZIP file to your server instead of the default ZIP file.

Note: Advanced customization of the ASU package is also possible. You can specify which ASU jars to generate and what files they should contain by modifying your Installer Theme's ASU.xml file using a text editor. You can specify which ASU jars your users download from the server by hand editing your Installer Theme's JNLP file. Once you have edited either

of these files, you must regenerate a custom ASU package for your changes to have an effect.

(Introduced in 3.0.20 MR)

Nortel is pleased to announce the addition of the PC Client Theme Developer Kit (Phase II). The TDK provides customers with the ability to customize the standard Nortel PC Client with a new look and feel (skins) and also allows for the customization of certain client behavior. Please refer to the feature documentation for this feature for more information.

(Introduced in 3.0.19 MR)

WARNING - MCS systems deployed with a CS2K must have the following Gateway Controller Patches prior to upgrade of the MCS 3.0.19 MR. Failure to do so could cause some call scenarios to not work correctly.

GWC Platform: GWC Patches

XAE28G3X - International ISN07
XAE29G3X - North America SN07
XAE32GZU - International ISN06.2
XAE32GZU - North America SN06.2

(Introduced in 3.0.19 MR)

Nortel is pleased to announce the addition of two new commands made available to the Open Programmability Interface (OPI). The two commands are:

- 1) generateCPL(String username)
This method regenerates CPL for the specified user.
- 2) getCPL(String username) // returns the CPL as a string.
This method returns the CPL for the given user as a string.

In both cases, the string username is in the format: username@domain

(Introduced in 3.0.18 MR)

Nortel is pleased to announce the addition of the CLI Screening feature. The CLI Screening feature allows the MCS system to screen calls coming from a SIP gateway based on the calling number. As a result of the screening process, the call may be allowed to proceed, it may be blocked, or it may have the calling number replaced with a default one. Please refer to the feature documentation for this feature for more information.

(Introduced in 3.0.17 MR)

WARNING - MCS systems deployed with a CS2K must have the following Gateway Controller Patches prior to upgrade of the MCS 3.0.17 MR. Failure to do so will cause CS2K billing to not function correctly for some call scenarios

GWC Platform: GWC Patches

PGC93AX: XRV57GZU - North America

PGT93AX: XRV58GZU - International

GN070CH: XRV57G3X - North America

GI070CH: XRV58G3X - International

(Introduced in 3.0.17 MR)

NOTE - WCM upgrade configuration field modification for 3.0.17:

Updating the WCM to the 3.0.17 requires a field change in the configuration data fill. When upgrading, the field "Download JRE Version:" under the "Web Client Manager" tab should be changed from 1.4.2_0x to 1.4.2_06.

(Introduced in 3.0.17 MR)

SNMP Agent

It is possible that the SNMP agent may fail to start after upgrading to 3.0.17. To ensure that this does not happen, prior to upgrading:

1) On each server to be upgraded, inspect the /usr/local/bin/system file (i.e. cat /usr/local/bin/system).

If the following lines do NOT exist in the file, there is nothing more that needs to be done. If the following lines DO exist,

PLEASE FOLLOW THE REMAINING STEPS!

set rlim_fd_max=12288

```
set rlim_fd_cur=4096
```

- 2) Determine the correct "system" file based on the server type and copy it into /usr/local/bin (see below for determining which system file to copy).
- 3) Delete /usr/local/bin/system and rename the file that was copied in step 2 to "system" (without the double quotes).
- 4) Make sure the ownership of /usr/local/bin/system is "root:other".
(chown root:other /usr/local/bin/system)
- 5) Make sure the read/write/execute permissions of /usr/local/bin/system are 644 (-rw-r--r--)
(chmod 644 /usr/local/bin/system)
- 6) Restart the server
- 7) Take a new backup of the server to ensure that subsequent restores do not reload the "bad" system file.

System file determination (files are on the Patch CD):

For N240s, use system_240

For Netra 1400s, use system_T1400

For v100s, use system_v100

(Introduced in 3.0.17 MR)

Nortel is pleased to announce the addition of the Multiple Login Restriction feature. This feature provides the following:

Restricts the number of simultaneous logins for a MCS user using a PC client, Web client, i200x client, and PC Client Set.

Allows for the configuration of the maximum number of simultaneous registrations/logins allowed

Service Package enforcement

Allows for the ability of the Provisioning admin to logout all of a user's contacts

Restricts call attempts from unregistered endpoints that are not gateway (i.e. are not in the list of authorized nodes of the Session Manager)

For information on this feature, please refer to the NTP NN10043-113

WARNING

As a result of this feature, it is required to add the IP Address information of the iPlanet web server to the list of Authorized Nodes entries in the Session Manager's Authentication panel if the entry does not exist already. It is suggested that the entry is made as <web svr IP Address>:5090.

FAILURE TO DO THIS WILL RESULT IN CLICK TO CALL FUNCTIONALITY NOT WORKING AFTER THE UPGRADE.

(Introduced in 3.0.17 MR)

Nortel is pleased to announce the addition of the Global Address Book Restriction feature. This feature gives an administrator the ability to disable the global address book functionality for all users in a specified domain. This change resolves any problems with privacy regulations.
For information on this feature, please refer to the NTP NN10403-113.

(Introduced in 3.0.17 MR)

Nortel is please to announce the addition of the TME Corporative 2000 - Phase 2 feature. This feature provides anti-fraud, privacy enforcement, routing robustness, and reliability features for interfaces to Enterprises.
Please refer to the feature documentation for this feature for more information.

Note - The TME feature adds some new configuration panels to the appsvr. A pop-up window will be generated when the appsvr's load is updated indicating that no default data exists. This is normal and will only occur one time when upgrading from a pre-3.0.17 load to a 3.0.17 or greater load. For example, if you upgrade from 3.0.16 to 3.0.17, you will see this window. Once you are on 3.0.17 and upgrade to a later load, the window will no longer be present.

(Introduced in 3.0.16 MR)

MR 3.0.16 introduced a change that reduces the overall size of SIP messages. This change is reduces the overall average length of our messages by 50-100 bytes, which is necessary to avoid problems with NATs and firewalls. As a result of this change, signaling between 3.0.15 (or greater) loads WILL NOT BE COMPATIBLE with loads prior to 3.0.10. Please note that 3.0.15 (or greater) loads are backwards compatible to the 3.0.10 MR.

The effects of this are as follows:

Session Managers/Application Servers/Media Servers with 3.0.15 or greater will not be able to communicate with loads or releases prior to 3.0.10, 2.0, etc.

(Introduced in 3.0.13 MR)

USP loads must always be 8.1.X loads, as only 8.1.X loads support SIP and are usable with MCS.

(Introduced in 3.0.13 MR)

This MR contains a new functionality that provides audible ring back to CS2K agents. This functionality is specific to the cases where the MCS is acting as a media pivot for call redirection scenarios. Corresponding use cases include a CS2K agent being transferred and a CS2K agent being provisioned as an originator in a click-to-call scenario. The locale specific ring tone of the terminator is heard.

If there are any errors during the call scenarios, a treatment announcement is heard by the CS2K agent.

Suggested treatment announcements are provided in English and French. These announcements must be provisioned in order for them to be heard."

(Introduced in 3.0.12 MR)

Meetme changes

- 1) Meetme service adds a counter to track incorrect access code entries.
- 2) Meetme service logs the "from" user when an incorrect access code is entered, instead of just the access code.

Section 3

Version Check Information

This section is intended to provide the reader with instructions to check versions of reference software and hardware. The patches for the reference software and hardware can be applied by referring to section 4 of this document.

(Introduced in 3.5.7.3 EMR)

Solaris Kernel v100

- 1) login as nortel or root to the solaris machine
- 2) showrev
- 3) look for the line
**Kernel version: SunOS 5.8 Generic 117350-45 Dec 2006
- 4) To get a list of all current patches:
showrev -p

Solaris Kernel v210

- 1) login as nortel or root to the solaris machine
- 2) showrev
- 3) look for the line
- ** Kernel version: SunOS 5.8 Generic 117350-45 Dec 2006
- Note: The date will change according to system date.
- 4) To get a list of all current patches:
showrev -p

Solaris Kernel netra 1400

- 1) login as nortel or root to the solaris machine
- 2) showrev
- 3) look for the line
- **Kernel version: SunOS 5.8 Generic 117350-45 Dec 2006
- 4) To get a list of all current patches:
showrev -p

Solaris Kernel netra 240

- 1) login as nortel or root to the solaris machine
- 2) showrev
- 3) look for the line
- **Kernel version: SunOS 5.8 Generic 117350-45 Dec 2006
- 4) To get a list of all current patches:
showrev -p

(Introduced in MR 3.5.7)

Broadcom NIC/BASP Driver Version Levels

To verify the Broadcom-NIC Driver and BASP Driver version of MAS Servers,
please follow the below instructions:

- 1) Right-click "Local Area Connection" and select "Properties".
- 2) Click "Configure" and check the version level from the "Driver" tab.
- 3) Check the version level for all adapters:
 - a. Local Area Connection
 - b. Local Area Connection #2
 - c. MASTeam
- 4) a. and b. have to be checked for Broadcom-NIC Driver version 8.22.1.
- 5) c. has to be checked for BASP Driver version 6.1.8.

(Introduced in 3.0.56 MR)

UAS Shelf Controller Updated BIOS

It is possible that if a UAS Shelf Controller card fails and is returned via Nortel Repair and Return, that the replacement card will have updated BIOS. This is perfectly normal. If the card is replaced, the following will be the only perceivable differences.

- a) for menu "Main" and field or sub-menu "BIOS Version", the value should be CPV5370 v1.2RM03 for this version of the card.
- b) for menu "Boot" and field or sub-menu "Boot Device Priority", there is an ordered list of boot devices. The existing entry which reads "ATAPI CR-ROM Drive" should be updated to reflect the fact that with this version of the board the name is simply "CD-ROM Drive". Additionally, there may be another boot device present named "On-Card Ethernet 1" for this version of the card (which was not previously present). If present this entry should be moved to the bottom of the boot order.

(Notes from previous MRs)

Media Application Server

To verify a standard MAS OS image is installed:

- 1) Verify an "ImageReadme" file exists in the root directory of the "D" partition.

To verify the MAS platform and services version:

- 1) Open the MAS Console.
- 2) In the tree tab of the console right click the "Control Panel" icon.
- 3) Select "Version".

UAS PRI GW AND CONF PATCH MR_M(x)

- 1) Login to the UAS server.
- 2) Go to Add/Remove applications under Control Panels and locate UAS06MR_M(x)

UAS PRI GW AND CONF PATCH ms03-039r1

- 1) Confirm that the following registry key has been created on the machine:

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Updates\Windows 2000\SP5\KB824146

- 2) start->run->regedit
- 3) Click on edit menu then find
- 4) search for KB824146

RTP 3.0 Patch Level

To verify the patches are installed.

- 1) cat /etc/mp_patchlevel
- 2) PATCHLEVEL=4

SNMP DAEMON

To verify the snmpd file is correct version

- 1) cd /usr/local/sbin
- 2) cksum snmpd
(1068663171 8415236 snmpd)

DEPLOYUTILITIES.PM

To verify the DEPLOYUTILITIES.PM is the correct version

- 1) cksum /opt/sb/dsm2/bin/deployUtilities.pm
- 2) valid checksum is
989728124 20521 /opt/sb/dsm2/bin/deployUtilities.pm

-- If the checksum is incorrect, login to each server as root and replace the file with the one located in the Patches/DeployUtilities directory of the MR

NTime Version

- 1) cd /opt/NTime
- 2) bin/med -v
- 3) bin/med Version: Rel2.0 3.3.4 (Built on Apr 3 2003 17:52:55)

Java JRE

- 1) /opt/JRE/bin/java -version
java version "1.4.2_06"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2_06-b03)
Java HotSpot(TM) Client VM (build 1.4.2_06-b03, mixed mode)

LOGPURGE

- 1) Login as root to the server

```
2) cksum /usr/local/bin/logpurge
805206847      4224      /usr/local/bin/logpurge
```

Startconsole.init

```
1) Login as root to the web server
2) cksum /etc/init.d/startconsole.init
3470834975      65      /etc/init.d/startconsole.init
```

Iplanet Version

```
1) Login as root to the web server
2) cd /opt/iPlanet/servers/bin/https/bin/
3) ./httpagt -v
Sun Netscape Alliance
iPlanet-WebServer-Enterprise/6.0
```

Iplanet Service Pack Version

```
1) Login as root to the web server
2) cd /opt/iPlanet/servers/bin/https/bin
3) ./ns-httpd -v
Sun Netscape Alliance
** iPlanet-WebServer-Enterprise/6.0SP10 B10/12/2005 00:16
```

Oracle Version

```
1) Login as oracle to the database server
2) sqlplus -version
SQL*Plus: Release 9.2.0.4.0 - Production
```

LOM

```
1) pkginfo -l SUNWlomm SUNWlomr SUNWlomu
```

Sun VTS

```
1) pkginfo -l SUNWvts
```

SUNWsprt

```
1) pkginfo -l SUNWsprt
```

Disksuite

```
1) pkginfo -l SUNWmdr SUNWmdu SUNWmdg SUNWlvmr SUNWlvma SUNWlvmg SUNWmdja SUNWmdnr SUNWmdnu SUNWmdx
```

UAS Patch Level:

```
1) Login to the UAS node
2) Use notepad to open the C:\UAS\etc\BuildStamp.txt file
```

mcp_backup.pl

- 1) Login as root to the server
- 2) cksum /usr/local/bin/mcp_backup.pl
2058661539 47066 /usr/local/bin/mcp_backup.pl

Section 4

Special Patch Instructions

This section notes any new patches that need to be applied and instructions on how to do so.

****WARNING-1:** Solaris & Third Party Patching MUST be performed PRIOR to any MCS software being deployed to nodes in the Management Console.

*****WARNING-2:** Solaris Patches must ALWAYS be applied in the MR order for which it was released. Verify the Solaris Patch Level you are on (See Section 3 above) for EACH server, and if required install 30MR16 and then install 30MR56 and only then install 30MR57plus.

Not following the correct patching sequence may require re-install to get the system back in proper working condition.

(Introduced in MR 3.5.8)

*****MAS Patch 3.5.8*****

** Q01511158 MAS Windows Patches required for new Day light Saving changes in Australia

(NOTE: This patch obsoletes patch for CR Q01477256-02 introduced in EMR 3.5.7.3

Those who have already installed the patch for CR Q01477256-02 can also install this patch)

Patch Instructions:

Western Australia is introducing daylight saving on a trial basis for the next three years. Microsoft products which are aware of daylight saving time changes need to be updated to include the new Western Australia time zone rules. The following table shows the start and end dates for the daylight saving period in each year of the trial.

Start

End

the hour of 2 a.m. on 3 December 2006	the hour of 2 a.m. on 25 March 2007
the hour of 2 a.m. on 28 October 2007	the hour of 2 a.m. on 30 March 2008
the hour of 2 a.m. on 26 October 2008	the hour of 2 a.m. on 29 March 2009

Note: Both the start and end time are specified in standard time, so the end time is 3 am daylight saving time.

Windows 2000 needs to be patched to be conform to this requirement.

Instructions:

- Make sure that the "Date/Time Properties" dialog box is not open.

!!!Warning!!! Do not apply the patch when the this dialog box is open.
It can not be applied successfully.

- Insert the MAS Patch CD to MAS server and copy the patch from folder Q01511158 of patch CD to the MAS server.
- Browse to the directory where MAS patch reside
- Double click to "WA_DST_changes_for_W2000.bat" file
- A restart is required even if the restart is cancelled or not done by the batch file.

Note: This file edits the Windows Registry to update the timezone information for:
- (GMT+08:00) Perth

Note: For some timezones you should wait one minute to see the correct time on Windows 2000 system tray.
For Perth timezone, on 28th of October, 2007 after 01:59 AM you may see 02:00 AM on system tray.

One minute after you will see the correct time 03:01 AM.

!!!Warning!!! "TZupdate.reg" and "refreshTZinfo.vbs" files are needed by "WA_DST_changes_for_W2000.bat".

!!!Warning!!! Manually editing the Windows Registry must be avoided.

** Q01576652 - [MCS9.1] - W2K Enhanced Patch for NA DST Changes (beginning in 2007)

Beginning in 2007, Daylight Saving Time in the U.S. (and many Canadian provinces) will begin on the second Sunday in March and end the first Sunday in November rather than beginning on the first Sunday in April and ending the last Sunday in October.

Windows 2000 needs to be patched to be conform to this requirement.

Instructions:

- Make sure that the "Date/Time Properties" dialog box is not open.
If this dialog box is open when the script is run, the script will not work.
- Insert the MAS patch CD to MAS server and transfer the patch from folder Q01576652.
from the CD to MAS server.
- Browse to the directory where MAS patch reside in the MAS server.
- Double click to "DST_changes_for_W2K_enhanced.bat" file

Note: This file edits the Windows Registry to update the timezone information for:

- (GMT-03:30) Newfoundland
- (GMT-04:00) Atlantic Time (Canada)
- (GMT-05:00) Eastern Time (US & Canada)
- (GMT-06:00) Central Time (US & Canada)
- (GMT-07:00) Mountain Time (US & Canada)
- (GMT-08:00) Pacific Time (US & Canada); Tijuana
- (GMT-09:00) Alaska

Note: For some timezones you should wait one minute to see the DST rollover from Windows 2000 system tray.

For example for Central Time (US & Canada) timezone, on 11th of March, 2007 after 01:59 AM you will see 02:00 AM on system tray. After one minute you will see 03:01 AM.

!!!Warning!!! "TZupdate.reg" and "refreshTZinfo.vbs" files are needed by "DST_changes_for_W2K_enhanced.bat".

!!!Warning!!! Manually editing the Windows Registry must be avoided.

*****End of MAS Patch 3.5.8*****

(Notes from previous MRs)

(Introduced in 3.0.5)

*****RTP Media Portal patches*****

RTP PATCH Q00923511 (instructions updated to be more clear)

Q00923511: This patch adds support for the ability to re-IP-address the RTP media portal.

Please be sure to login as root.

To install: Perform one of the two "A" steps.

A. CD-ROM Method

- 1) Insert CD ROM.
- 2) mount /dev/cdrom /mnt/cdrom
- 3) cd /mnt/cdrom
- 4) ./install
- 5) cd
- 6) umount /mnt/cdrom
- 7) eject

-- OR --

A. No CD Method

- 1) Transfer tarball to target Portal.
- 2) tar xf patchQ00923511.tar
- 3) cd patch
- 4) ./no-cd-install

Note: A workaround exists to install the patch if no cd method doesn't work:

1. Change directories to /patchQ00923511/cd_contents
2. Run the install script using ./install."

*****End of RTP Media Portal patches for 3.0.5 MR*****

(Introduced in 3.0.6)

*****Solaris operating system patches*****

JRE 1.4.2_05 Patch

Move j2re1.4.2_05.tar.Z, and jvm_install.sh from Solaris_patch CD to /tmp on all sun Solaris servers then do the following:

All steps below must be performed as "root"

- 1) cd /tmp
- 2) chmod +x jvm_install.sh
- 3) /tmp/jvm_install.sh

*****End of Solaris operating system patches for 3.0.6 MR***

(Introduced in 3.0.15)

*****Solaris operating system patches*****

1400 Server Backup/Restore

Backup/Restore could potentially fail on 1400 servers due to a missing file. This file has been placed in the patches directory of this Maintenance Release. The file must be placed on all database and management servers. To determine whether it is necessary, follow the steps below:

- On all Netra 1400 servers as root
 - login to the server
 - cd /usr/local/bin
 - ls -l blk_36_vtoc
 - if this file does not exist, then copy the file from the MR to this directory
 - set the privileges/ownership of this file to
 - rw-r--r-- 1 root other blk_36_vtoc
- chmod 644 blk_36_vtoc
chown root:other blk_36_vtoc

*****End of Solaris operating system patches for 3.0.15 MR***

*****Oracle Database patches*****

Oracle Security Patch

The patch is contained in the Patches directory of this Maintenance Release. The readme file contains instructions on how to apply the patch. Those instructions are also below for reference:

#####

```
# The scripts contained on this disk are for upgrading/patching an
# existing Oracle 9.2.0.4 DB server.
#
# Oracle Patches included are:
#   3358601
#   3811887
#
# Important Notice:
# =====
# When applying the Oracle patches, the install script may SHUTDOWN
# and RESTART the DATABASE automatically. This can result in system
# downtime (of a few minutes). Thus, please carefully schedule when
# the DB/Oracle upgrade is performed.
#
# Please have your DB server ROOT password READY!
#####
```

To install: Perform one of the two "A" steps on BOTH of your DB Servers.

A. CD-ROM Method

To install the contents of this CD to your hard drive and install the Oracle patches, perform the following steps:

insert the CD into the CDROM drive of the Database server

login to the Database server as root and create an empty /IMS/ora_cds/patches directory - which the oracle user has read and write access.

```
chown oracle:oinstall ora_cds
cd /IMS/ora_cds
mkdir patches
chown oracle:oinstall ora_cds/patches
chmod 777 patches
```

Start volmgt to allow CDROM access.

```
/etc/init.d/volmgt start
```


Switch to oracle user or login as oracle user to the Database server

```
su - oracle
cp -Rp /cdrom/cdrom0/* /IMS/ora_cds/patches
  (Note: copying entire CD contents not necessary - if desired, enter:
        cp -Rp /cdrom/cdrom0/patches.tar /IMS/ora_cds/patches )
cd /IMS/ora_cds/patches
```

Go to the directory which contains the tar file and change the permission and ownership of the file.

```
cd /IMS/ora_cds/patches
chmod 755 patches.tar
chown oracle:oinstall patches.tar
```

Untar the tar file. This will create a directory "patches" which contains all the extracted files.

```
tar xvf patches.tar
```

Go to the 'patches' directory

```
cd patches
pwd (Make sure you are under /IMS/ora_cds/patches/patches)
```

Issue this command to verify the files were copied to disk successfully.

```
./checksum
```

Issue this command to install the required Oracle patches.

```
./install_patches.sh
```

Issue this command to verify the MCP database scripts are up to date.

```
./check_for_mcp_upgrade
```

Issue this command to verify the oracle patch(es) were applied successfully.

```
./check_for_oracle_upgrade
```

Issue this command to remove the temporary files that were written to disk.

```
rm -rf /IMS/ora_cds/patches/*
```

Login as root and stop volume management to stop CDROM access

```
/etc/init.d/volmgt stop
```

-- OR --

A. No CD Method

Login to the Database server as root and create an empty /IMS/ora_cds/patches directory - which the oracle user has read and write access.

```
cd /IMS/ora_cds
mkdir patches
chmod 777 patches
```

Transfer tar file (SFTP client required) (patches.tar) to target database server under /IMS/ora_cds/patches

Go to the directory which contains the tar file and change the permission and ownership of the file.

```
cd /IMS/ora_cds/patches
chmod 755 patches.tar
chown oracle:oinstall patches.tar
```

Switch to oracle user or login as oracle user to the Database server

```
su - oracle
```

Go to the directory which contains the tar file.

```
cd /IMS/ora_cds/patches
```

Untar the tar file. This will create a directory "patches" which contains all the extracted files.

```
tar xvf patches.tar
```

Go to the 'patches' directory

```
cd patches
```

pwd (Make sure you are under /IMS/ora_cds/patches/patches)

Issue this command to verify the files were copied to disk successfully.

./checksum

Issue this command to install the required Oracle patches.

./install_patches.sh

Issue this command to verify the mcp database scripts are up to date.

./check_for_mcp_upgrade

Issue this command to verify the oracle patch(es) were applied successfully.

./check_for_oracle_upgrade

Issue this command to remove the temporary files that were written to disk.

rm -rf /IMS/ora_cds/patches/*

*****End of Oracle Database patches for 3.0.15 MR*****

*****Media Application Server(MAS) patches*****

MR 3.0.15 HS-20 Critical Firmware Update Instructions

NOTE: This process is for MAS BladeCenter customers. The installation can NOT be done from the Terminal Services Client.

Problem Description:

This BIOS flash image update contains an Intel erratum patch for the microprocessor firmware. It addresses a potential issue which might cause a system to exhibit erratic behavior such as a system hang, reboot, blue screen or Kernel Panic (Linux), and may also cause in-progress system operations (e.g., file, I/O) to fail. The possibility of this behavior is believed to be limited, but IBM strongly recommends that customers install this update as soon as possible to

prevent the possibility of the issues listed above.

Installation Instructions:

- 1.0 Copy the file 26r0577w.exe to the desktop each of the HS20 blades in the BladeCenter. The file is located on the Patch CD. Place the Patch CD in the CD-ROM of the BladeCenter, or use ftpclient to copy it from a remote FTP server. The file on the patch CD is located in the IBM/Bladecenter/HS20 directory.
- 2.0 Installation of the BIOS update must be done from the BladeCenter Management Modules web interface using Blade Tasks -> Remote Control functionality, or from the Keyboard/Mouse/Video on the BladeCenter. If using the BladeCenter Management Modules, web interface, from the main screen after logging in, select Blade Tasks -> Remote Console, then Start Remote Control. Accept the Applet authentication, and a new window will appear with the KVM display. Use Change KVM owner to switch between blades. Login to the blade as nortelmasadmin and follow the instructions in 3.0.
- 3.0 Installation and Setup Instructions
 - 3.1 Step by step instructions for this code update (GUI)
 - Run the "IBM BladeCenter HS20 (8832) Windows BIOS Update" by double-clicking the .EXE.
 - Choose "Perform Update" and click the "Next" button.
 - If the update is meant for the system on which it is running, the "Next" button will appear. Click the "Next" button to continue.
 - Click the "Exit" button.

*****End of Media Application Server(MAS) patches for 3.0.15 MR*****

*****RTP Media Portal patches*****

Media Portal System Logs Not Being Rotated

System logs on the RTP Media Portal are not being rotated which could lead to a gradual increase in disk usage.

This patch can only be applied if the Portal patchlevel is at 3.0.1.

Applying this patch changes the RTP Portal patch level to 3.0.2.

To install: Perform one of the two "A" steps.

A. CD-ROM Method

- 1) Insert CD ROM.
- 2) mount /dev/cdrom /mnt/cdrom
- 3) cd /mnt/cdrom
- 4) ./install
- 5) cd
- 6) umount /mnt/cdrom
- 7) eject

-- OR --

A. No CD Method

- 1) Transfer tarball to target Portal.
- 2) tar xf patchQ01018928.tar
- 3) cd patch
- 4) ./no-cd-install

Note: A workaround exists to install the patch if no cd method doesn't work:

1. Change directories to /patchQ01018928/cd_contents
----also needs to be done for the patch Q00923511 from 3.0.5 part of notes.----
2. Run the install script using ./install."

*****End of RTP Media Portal patches for 3.0.15 MR*****

(Introduced in 3.0.16)

*****Solaris operating system patches*****

(Introduced in 3.0.16)

**WARNING-1: Solaris & Third Party Patching MUST be performed PRIOR to any MCS

software being deployed to nodes in the Management Console.

***WARNING-2: Solaris Patches must ALWAYS be applied in the MR order for which it was released. Verify the Solaris Patch Level you are on (See Section 3 above) for EACH server, and if required install 30MR16 and only then install 30MR56. Not following the correct patching sequence may require system to be re-installed from scratch to get back to the proper working condition.

Note: Time required to update patches on one server can take up to few hours.

Solaris 8 -- 30MR16 Solaris Patches

Solaris Patches Included (Refer to section 3 for instructions on
how to list Solaris patches)

110380-04	110903-07	112425-01	111624-05	109928-05	109894-01
110934-21	112138-01	111958-03	111647-01	108528-29	109896-29
111111-04	109320-12	109154-20	114045-12	109805-17	109922-04
110662-17	109470-02	112796-01	115797-01	108989-02	110389-05
112396-02	109783-02	112846-01	116610-01	111881-03	110461-03
108987-13	110453-04	108806-18	109460-10	108993-38	110820-12
108869-27	110945-08	110842-12	112168-03	109657-10	110953-07
109147-31	111232-01	111321-04	116455-01	110723-07	110955-05
108949-08	111548-01	109328-05	109613-07	108725-17	111588-05
108434-18	108652-86	113792-01	114554-17	109318-36	112390-09
108435-18	110322-02	109862-03	111844-03	108981-14	113685-05
110458-02	110286-11	110896-03	111310-01	109885-16	113687-01
111325-02	111504-01	111883-28	109223-05	109238-02	117000-05
110075-01	111606-04	113650-02	110386-03	109007-18	116959-04
110901-01	109882-06	108899-04	111023-03	112237-11	116962-03
112325-01	111069-01	109354-24	111317-05	109793-25	108974-41
110898-10	110668-04	114673-01	113648-03	111792-10	111327-05
109324-06	111826-01	114162-01	115827-01	109326-16	108985-03
110916-05	111874-06	109152-02	116602-01	110615-13	117350-13
109091-07	109667-07	112609-02	111098-02	109873-26	116965-05
110387-05	110957-02	114984-01	109883-02	109077-17	108977-04

110283-06	111626-03	110335-03	110609-04	109458-03	108968-10
109277-03	108919-22	109149-02	112161-03	109815-20	108975-08
110951-06	112459-01	109202-06	111308-05	109887-18	112792-01
111234-01	112611-02	109695-03	111302-03	109893-04	

WARNING! This patch must be installed prior to upgrading the MCP software to 3.0.16. If the MCP software is upgrade prior to applying this patch, a restart of the Provisioning Server from the MCP System Management Console will be required.

WARNING! Prior to applying patches, verify that the server has adequate resources available. If the CPU or memory is above 90%, it is recommended to kill any processes that are running. If during the patch install the process takes longer than an hour, kill the patch process, and then kill any processes running high on the server. Since a reboot of the server is required after patch installation anyway, this is not a concern. In addition to verifying resources, verify that the /tmp directory is emptied prior to applying patches.

NOTE 108993-38 SunOS 5.8: LDAP2 client, libc, libthread and libnsl libraries patch (Introduced in 3.0.15) is included in this set of patches.

WARNING! The Application of SUN Patches requires a Re-Boot which will be performed automatically as part of the 30mr16update script.

WARNING! During the Platform Patching the CPU usage will reach 100% during the unzip process.

WARNING!! IT IS HIGHLY RECOMMENDED that the installation of this patch cluster be performed in single-user mode (Run Level S).

WARNING!!While Installing the patch cluster in single user mode for any server system may run into a hung (non-responsive) state while either going to single user mode or while the system reboots after applying the patches. At this stage do NOT power cycle the system. This may lead to filesystem corruption.

Please follow the following steps to recover from hung (non-responsive) state:

- 1) Log in to the server through the LOM port.
- 2) Execute command "reset", this will cause system to reboot.
#lom> reset

3) System will come up.

Steps to be followed to go to Single user mode:

Always change init states into single user from the serial port and not from a remote ssh connection, as single user mode does not include networking.

1) Login through serial connection(as root).

2) Execute command "init s".

init s

3) Root password is necessary here. Give it when prompted.

NOTE: If you are at the OK prompt: Type "boot -s" to enter into single user mode.
This will cause the Server to reboot.

Please follow following NTP for system upgrade: NN42020-303- MCS Maintenance Upgrade Guide.

Patch install instructions:

1) Login as root in single user maintenance mode.

2) Copy 30mrl6update.zip from Solaris_patch CD to /export/home/nortel

3) unzip -d / /export/home/nortel/30mrl6update.zip

4) cd /opt/30mrl6

5) ./30mrl6update.sh

The system will automatically reboot after all patches have been applied.

If the system does not automatically restart,telnet to the servers serial port on the terminal server and restart the server using the command 'init 6'.

*****End of Solaris operating system patches for 3.0.16 MR*****

*****UAS patches*****

UAS PRI GW AND CONF Base Load MR_MU (documented in 3.0.17)

Note: If you are doing a 2.0 to 3.0 upgrade please follow the 2.0 to 3.0 upgrade

MOP before performing the following procedure.

Note: Check version and patch level from sections 3 above.

Note: Please make sure to capture screenshots of the Management Console tabs for the UAS PRI Gateway and Conference servers prior to performing upgrade in the event that an error of any type occurs so that a backup of the configuration data is available should it be needed.

To undeploy the UAS06MR_M(x) bundle:

- 1) On the management console, under Components for the server
- 2) Right Click the uasmtcloud-m(x) component
- 3) Select Delete

To undeploy the UAS06 bundle:

- 1) On the management console, under Components for the server
- 2) Right Click the UAS base software component
- 3) Select Delete

To remove the uasmtcloud-m(x) software from the server:

- 1) Login to the UAS server.
- 2) Go to Add/Remove applications under Control Panels and locate UAS06MR_M(x)
- 3) Choose Remove to uninstall the UAS06MR_M(x).
- 4) Follow the uninstall screen instruction to uninstall
- 5) Reboot

To remove the UAS base software from the server:

- 1) Login to the UAS server.
- 2) Go to Add/Remove applications under Control Panels and locate Universal Audio Server
- 3) Choose Remove to uninstall the Universal Audio Server
- 4) Follow the uninstall screen instruction to uninstall
- 5) Reboot

To install the UAS06 Base Software:

- 1) Using the Management console right click Components and select Base Software
- 2) Select UAS component type and the current build ims_3.0.XX_buildXX and click apply
- 3) After the UAS deployment has completed go to step 4.
- 4) Login to the server using pcAnywhere or monitor and keyboard directly connected to the UAS.
(DO NOT USE REMOTE DESKTOP CONNECTION, TERMINAL SERVICES OR TIMBUKTU)
- 5) Use windows explorer to find the D:\IMS\uasload\WINNT\Setup.exe
- 6) Double click it to begin the installation. Follow the screen prompts selecting gateway for PRI or UAS for conference server.
- 7) Reboot when prompted

To enable the card memory dump and dual RTP stream detection:

- 1) To enable this, after installing the patch, edit the c:\uas\etc\UAS.conf
- 2) Make the following changes to these parameters

DumpCardMemory	ENABLED
DualStreamDetection	ENABLED
DualStreamMaxPorts	1000
AutoRestartCard	ENABLED

- 3) Save the file
- 4) open a dos prompt window
- 5) net stop pmgrdaemon
- 6) net start pmgrdaemon

MAKE SURE AND INSTALL THE BASE LOAD ON BOTH UAS BASED SERVERS, PRIGW AND CONF SERVERS

*****End of UAS patches for 3.0.16 MR*****

(Introduced in 3.0.17)

*****Microsoft operating system patches*****

MAS Windows 2000 Update for Vulnerability in Cursor and Icon Format Handling (MAS servers)

NOTE: The application of this patch will require a reboot of the system.

Instructions:

- 1) Copy the file Windows2000-KB891711-x86-ENU.EXE from the patch CD to each of the MAS servers.
- 2) Execute the command Windows2000-KB891711-x86-ENU.EXE
- 3) Follow the instructions given asked by the installer.
- 4) At the end of the installer, you will be prompted to reboot the server/blade,
do so for the patch to be installed.

*****End of Microsoft operating system patches for 3.0.17 MR*****

*****iPlanet Web Server patches*****

Q01063353 - iPlanet Web Server Down (after reboot)

- 1) Copy Q01063353.tar file to the server as nortel.
Login to the server as root.
cd /
tar xvf /export/home/nortel/Q01063353.tar
rm export/home/nortel/Q01063353.tar

*****End of iPlanet Web Server patches for 3.0.17 MR*****

(Introduced in 3.0.19)

*****Solaris operating system patches*****

Please verify that the SNMP DAEMON is at the correct version on ALL network elements. The SNMP DAEMON was updated on the Solaris installation CDs quite a while ago but for pre-existing systems it may not have been updated as it was not supplied as part of the patches previous MRs. Moving forward as of the 3.0.19 MR, it will be. The only way to know for sure is to run the version check command for the SNMP DAEMON as defined in Section 3 of these release notes.

If the chksum is different, please apply the patch as follows. The time to apply this patch is a few seconds.

Patch install instructions:

- 1) Login as root
- 2) Copy snmp_daemon.zip from Solaris_patch CD to /tmp
- 3) cd /tmp
- 4) unzip /tmp/snmp_daemon.zip
- 5) chmod 755 *
- 6) ./nsuninstall.sh

(if the snmp daemon is not installed, there may be some text displayed that indicates no such file or directory. This is normal.)
If it is installed, similar text to the following will be displayed:

```
Removing the following entry in /etc/inittab:
---> nsd:234:respawn:/usr/local/sbin/snmpd -A -f udp:47.104.21.161:161
A copy of /etc/inittab has been saved as /tmp/inittab.sav
net-snmp has been uninstalled
```

7) ./nsinstall.sh

*****End of Solaris operating system patches for 3.0.19 MR***

(Introduced in 3.0.20)

*****Solaris operating system patches*****

Q01127526 - MCS 3.0.15 HKBN App Server 1 Overload and failover to App Server 3 on 25 April

Note: Time required to update one network element with this patch: Less than 1 minute

- 1) Login to each network element as root.
- 2) Copy logpurge from the patch CD to the /usr/local/bin directory
- 3) Verify new cksum matches that of Section 3, Version Check Information of these release notes

*****End of Solaris operating system patches for 3.0.20 MR*****

*****Media Application Server(MAS) patches*****

MAS Update Instructions for X335 or BladeCenter.

Note: If you have an X335, execute #4 and then then #2 below.
If you have a BladeCenter, execute #'s 1 - 3 below.

**1. Please Refer to Management module Firmware update as mentioned
under MR 3.0.56 (We have to do this only once as mentioned under 3.0.56).

2. Broadcom Gigabit Ethernet Windows Driver update for each blade (version 8.16)

Note: Time required to apply this patch is approximately 10 minutes

-
- 1) Logon to each blade, bring up dos command window.
 - 2) Switch to d: drive, type following command to get the Ethernet drive update software
ftpclient -i get <ipaddress of the server where the 39r6666.exe is located> nortel <password> 39r6666.exe
 - 3) Run the 39r6666.exe to install the package
 - 4) Navigate to C:\Drivers\v816, click the launch program to install the updated Ethernet driver
 - 5) Restart the blade, then login to check the network connection driver version is update to 8.22.1.0

3. Using the UpdateXpress CD to update the blades with SCSI drive (version 4.01)

Note: Time required to apply this patch is approximately 30 minutes

-
- 1) From the management module console, under "Blade Tasks", click "Remote Control"
 - 2) Client "Start Remote Control"
 - 3) In the BladeCenter Remote Control Window, choose the blade which has SCSI drive
(the blade has E drive)
 - 4) Select "Select File..." in "Remote Disk" then click the ">>", from the pop up window choose
the CD image 39r5787.iso, then click "Mount Drive".
 - 5) Click "Ctrl" "Alt", then press the delete key on your keyboard to login to the blade
 - 6) Click my computer, click the UpdateXpress, then click "index.html"
 - 7) After the window show up, check LSI update, then click on the "Download Now" button above
to start the installation
 - 8) Restart the computer
 - 9) Choose "Apply Update" then exit the process.
 - 10) Click "Unmount"
 - 11) Restart blade

4. Flash BIOS update for Microsoft Windows 2000 and Windows NT 4.0 - IBM eServer xSeries 335 - X335 only

Note: Time required to apply this patch is approximately 10 minutes

-
- 1) 31r3505w.exe from Patch CD - Installation instructions w/ File on Patch CD, 31r3505w.txt

*****End of Media Application Server(MAS) patches for 3.0.20 MR**

*****RTP Media Portal patches*****

RTP Media Portal Patch

Q01099114-01 - RTPO: SN08: Media Portal blades wont boot after a DOR

Note: The time required to apply this patch is less than 1 minute

When portal first comes up, it tries to ping the blades.
When one of the pings is successful, then the host becomes up and pingBlades
spawn a new process which continuously pings the other blades.
If it cannot ping a blade, it reboots the blade by cycling power to the slot.
Alarms for blades that aren't up are generated, but the Portal is still
active.
If none of the blades are pingable pingBlades continuously restarts the blades.

This patch can only be applied if the Portal patchlevel is at 3.0.2.

NOTE: It is possible that the Portal's patchlevel may not have been updated
when the patch to take it to 3.0.2 was applied due to a problem with the
patch script. To verify, as referenced in Section 3 of these release notes,
verify the patchlevel of the Portal:

```
cat /etc/mp_patchlevel
```

This command will return a value similar to:

PATCHLEVEL=#, where number should be 2, but may be 1

If the patchlevel is 1 or 2, to determine if the patch 2 is actually applied, make
sure S90crond file (symbolic link) exists in the following directories (paths).

/IMS/bladefs/<bladenum from 11 to 16>/etc/rc.d/<rc2.d to rc5.d>

e.g. cd /IMS/bladefs/bladell/etc/rc.d/rc2.d

.
.
.

cd /IMS/bladefs/bladel6/etc/rc.d/rc5.d

If the S09crond symbolic link exists in all directories, patch 2 is installed and the
Portal is at patchlevel 2.

If this is the case, please change the /etc/mp_patchlevel file manually
as follows (login as root):

1) vi /etc/mp_patchlevel

2) File will look like this

Patchlevel format is IMS_MAJOR_RELEASE.IMS_MINOR_RELEASE-PATCHLEVEL

```
IMS_MAJOR_RELEASE=3
IMS_MINOR_RELEASE=0
PATCHLEVEL=1
```

- 3) Using the arrow keys of the keyboard, move the cursor over the "1" on the 3rd line. Change the PATCHLEVEL from 1 to 2 by typing (no quotes)
"r 2"
- 4) Then type the following two commands (in the specified order) from vi (no quotes):
":w!"
"ZZ"

In the rare case that S09crond symbolic link does not exist in the directories mentioned above, then the portal is still at patchlevel 1 and patch 2 must be applied. The directions to apply patch 2 are at the bottom of Section 4 (this section) of these release notes under the following heading:

```
(Introduced in 3.0.5)
RTP PATCH Q00923511
```

After this workaround, you can apply patch level 3.0.3 (Q01099114-01)

END NOTE

To install: Perform one of the two "A" steps.

A. CD-ROM Method

- 1) Insert CD ROM.
- 2) mount /dev/cdrom /mnt/cdrom
- 3) cd /mnt/cdrom
- 4) ./install
- 5) cd
- 6) umount /mnt/cdrom
- 7) eject

-- OR --

A. No CD Method

- 1) Transfer tarball to target Portal.
- 2) tar xf patchQ01099114-01.tar
- 3) cd patch
- 4) ./no-cd-install

*****End of RTP Media Portal patches for 3.0.20 MR*****

(Introduced in 3.0.54 MR)

*****Microsoft operating system patches*****

MAS Windows 2000 Update for Vulnerability in Remote Desktop Protocol Could Allow Denial of Service (MAS Servers)

NOTE: The application of this patch will require a reboot of the system.

Instructions:

- 1) Copy the file Windows2000-KB899591-x86-ENU.EXE from the patch CD to each of the MAS servers.
- 2) Execute the command Windows2000-KB899591-x86-ENU.EXE
- 3) Follow the instructions given asked by the installer.

*****End of Microsoft operating system patches for 3.0.54 MR*

*****RTP Media Portal patches*****

Q01059757 - MCS 3.0.11.3 - RTP - "Out of Service" lit on all Cooling units

This patch upgrades a 3.0.3 Portal to a 3.0.4 Portal. This patch turns off PS/FT (Power Supply/Fan Tray) LEDs of RTP MP Motorola chassis. The idea is : the Management Console is the only management interface to the RTP Media Portal and chassis LEDs *may* not reflect the real status. Therefore, the chassis LEDs are disabled in order to avoid a potentially false indication of a hardware problem.

ATTENTION :

- This patch can only be applied if the Portal patchlevel is at 3.0.3.
- Login as root to apply patch.

ATTENTION : VERY IMPORTANT README FIRST!!!

- You can apply this patch to a CPX8216T Motorola Chassis where:
 - there is a Media Portal only on Domain A, or

-there is a Media Portal only on Domain B, or
-there are two Media Portals, one on Domain A and one on Domain B,
in which case you MUST first apply the patch to Domain B and then apply the patch to Domain A

-NOTE: APPLYING THE PATCH TO DOMAIN B OF A CHASSIS WITH TWO DOMAINS (A and B) WILL NOT PROVIDE A PERMANENT FIX!
THE PATCH --MUST-- BE APPLIED TO BOTH DOMAINS IN THE CHASSIS!

A. CD-ROM Method

-
- 1) Insert CD ROM.
 - 2) mount /dev/cdrom /mnt/cdrom
 - 3) cd /mnt/cdrom
 - 4) ./install
 - 5) cd
 - 6) umount /mnt/cdrom
 - 7) eject

B. No CD Method

-
- 1) Transfer tarball to target Portal.
 - 2) tar xf patchQ01059757.tar
 - 3) cd patch
 - 4) ./no-cd-install

*****End of RTP Media Portal patches for 3.0.54 MR*****

(Introduced in 3.0.55 MR)

*****Solaris operating system patches*****

Q01150648 "MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive"

This patch for performance a system backup on V100 server on a tape drive connected to USB.

Note: The time required to apply this patch is less than 1 minute

Note: This patch was released with the 3.0.55 MR however there was an issue
with the original patch.This patch is now obsolete.

please refer to 3.0.56 MR section to reinstall the patch.

Patch install instructions:

- 1) Login as root to the server
- 2) Copy files from Q01150648 directory of the patch CD to /tmp of all Solaris servers
- 3) Modify the permissions of install.sh to be executable

```
cd /tmp
chmod 755 install.sh
```

- 4) Issue this command to apply the patch:
./install.sh
- 5) Issue this command to verify the patch were applied successfully:
cksum /usr/local/bin/mcp_backup.pl

Output should be:

```
3372618880      46980  /usr/local/bin/mcp_backup.pl
```

*****End of Solaris operating system patches for 3.0.55 MR***

(Introduced in 3.0.56 MR)

*****Solaris operating system patches*****

**WARNING-1: Solaris & Third Party Patching MUST be performed PRIOR to any MCS
software being deployed to nodes in the Management Console.

***WARNING-2: Solaris Patches must ALWAYS be applied in the MR order for which
it was released. Verify the Solaris Patch Level you are on (See Section 3 above)
for EACH server, and if required install 30MR16 and only then install 30MR56.
Not following the correct patching sequence may require system to be re-installed
from scratch, to get back to the proper working condition.

Note: Time required to update patches on one server can take upto few hours.

**Solaris 8 - 30MR56 Solaris Patches

Q01337987 - ISN07: OPTUS: MCS5200:Change of Daylight Saving Time in Australia

Q01239849 - Solaris security vulnerability - MCS3.0

Australia has changed the regularly scheduled end of Daylight Saving Time in five Australian states from March 2006 to the first Sunday of April 2006 due to the 2006 Commonwealth Games.

This patch includes the latest released Solaris 8 patches, of which specifically included are 109809-02 and 108993-53 for the new Daylight Saving Time as per:

<http://sunsolve.sun.com/search/document.do?assetkey=1-26-102178-1>

This patch also includes the fix for the following Sun security vulnerability:

<http://www.sunsolve.sun.com/search/printfriendly.do?assetkey=1-26-57766-1>

Solaris Patches Included (Refer to section 3 for instructions on
how to list Solaris patches)

108869-30	108919-25	110453-04	112168-03	108981-14	110820-12
108974-44	108949-09	110458-02	112237-11	108985-03	110896-03
108993-47	108968-11	110609-04	112279-03	108987-16	110898-12
109320-14	108974-44	110615-13	112325-01	108993-47	110903-07
110060-17	108975-08	110662-20	112390-09	109007-18	110916-06
110382-07	108977-04	110668-05	112396-02	109077-18	110934-23
111649-04	108981-14	110670-02	112425-01	109091-07	110943-04
111714-12	108985-03	110723-08	112459-01	109134-32	110945-08
112274-04	108987-16	110820-12	112609-02	109147-34	110953-07
113886-29	108989-02	110842-12	112611-02	109149-02	110955-05
113887-29	108993-47	110896-03	112668-02	109152-02	110957-02
114554-22	109007-18	110898-12	112796-01	109154-21	111069-01
115360-05	109077-18	110901-01	112846-01	109202-06	111071-01
115984-03	109091-07	110903-07	113650-02	109223-06	111232-01
116369-09	109134-32	110916-06	113679-08	109238-02	111234-01
116392-08	109147-34	110934-23	113749-02	109320-14	111313-02
116514-08	109152-02	110939-01	113792-01	109324-08	111321-04

116815-06	109154-21	110943-04	113886-29	109326-16	111325-02
116816-03	109223-06	110945-08	113887-29	109328-05	111332-08
116817-03	109238-02	110951-06	114152-01	109354-24	111400-03
116950-06	109277-04	110957-02	114162-01	109458-03	111504-01
116959-10	109318-37	111023-03	114251-01	109613-07	111548-01
117008-03	109320-14	111069-01	114554-22	109667-07	111570-03
117350-25	109324-08	111071-01	114673-01	109695-03	111588-05
117642-02	109326-16	111098-02	114984-01	109783-03	111596-03
118050-03	109328-05	111111-04	116455-01	109793-25	111606-06
118207-33	109354-24	111232-01	116602-01	109805-17	111624-05
118221-04	109460-10	111234-01	116610-01	109815-20	111626-03
118222-04	109470-02	111308-05	116950-06	109887-18	111647-01
118223-04	109613-07	111310-01	116959-10	109893-04	111826-01
118224-04	109657-11	111313-02	116962-08	109894-01	111874-07
118225-04	109667-07	111321-04	116965-10	109896-30	111881-03
118328-03	109778-17	111325-02	116973-01	109922-04	111883-30
118388-06	109783-03	111327-05	116984-01	109931-10	112039-01
118641-04	109793-25	111400-03	116986-02	109951-01	112097-06
118689-03	109805-17	111504-01	116993-01	110068-04	112237-11
119019-02	109815-20	111548-01	116997-01	110075-01	112390-09
119263-02	109862-03	111570-03	117000-05	110286-12	112459-01
108434-18	109882-06	111596-03	117049-02	110322-02	112609-02
108435-18	109885-18	111606-06	117350-25	110335-03	112611-02
108528-29	109931-10	111626-03	108528-29	110386-03	112668-02
108576-49	109951-01	111792-11	108773-19	110387-05	112792-01
108652-90	110075-01	111826-01	108835-04	110389-05	112796-01
108725-20	110283-06	111844-03	108869-30	110416-04	112846-01
108773-19	110286-12	111874-07	108899-04	110453-04	113650-02
108806-19	110322-02	111879-01	108909-13	110458-02	113685-06
108835-04	110335-03	111881-03	108919-25	110461-03	113687-01
108869-30	110380-05	111883-30	108949-09	110615-13	113749-02
108899-04	110386-03	111958-03	108968-11	110668-05	113792-01
108909-13	110387-05	112138-01	108975-08	110670-02	114162-01
114673-01	114802-02	114984-01	115797-01	116455-01	116950-06
116965-10	116973-01	116984-01	116986-02	116993-01	116997-01
117000-05					

NOTE - Time to update each server is approximately 1 hour

WARNING! This patch should be installed prior to upgrading the MCP software

to 3.0.56. If the MCP software is upgrade prior to applying this patch, a restart of the Provisioning Server from the MCP System Management Console will be required.

WARNING! Prior to applying patches, verify that the server has adequate resources available. If the CPU or memory is above 90%, it is recommended to kill any processes that are running. If during the patch install the process takes longer than an hour, kill the patch process, and then kill any processes running high on the server. Since a reboot of the server is required after patch installation anyway, this is not a concern. In addition to verifying resources, verify that the /tmp directory is emptied prior to applying patches.

WARNING!! IT IS HIGHLY RECOMMENDED that the installation of this patch cluster be performed in single-user mode (Run Level S).

WARNING!! While Installing the patch cluster in single user mode for any server system may run into a hung (non-responsive) state while either going to single user mode or while the system reboots after applying the patches. At this stage do NOT power cycle the system. This may lead to filesystem corruption.

Please follow the following steps to recover from hung (non-responsive) state:

- 1) Log in to the server through the LOM port.
- 2) Execute command "reset", this will cause system to reboot.
 #lom> reset
- 3) System will come up.

Steps to be followed to go to Single user mode:

Always change init states into single user from the serial port and not from a remote ssh connection, as single user mode does not include networking.

- 1) Login through serial connection(as root).
- 2) Execute command "init s".
 # init s
- 3) Root password is necessary here. Give it when prompted.

NOTE: If you are at the OK prompt: Type "boot -s" to enter into single user mode.
 This will cause the Server to reboot.

Please follow following NTP for system upgrade: NN42020-303- MCS Maintenance Upgrade Guide.

WARNING! The Application of SUN Patches requires a Re-Boot which will be performed automatically as part of the 30mr56plus script.

WARNING! During the Platform Patching the CPU usage will reach 100% during the unzip process.

Patch install instructions:

-
- 1) Login as root in single user maintenance mode.
 - 2) Copy 30mr56plus.zip from Solaris_patch CD to /export/home/nortel
 - 3) unzip -d / /export/home/nortel/30mr56plus.zip
 - 4) cd /opt/30mr56plus
 - 5) chmod 755 30mr56plus.sh
 - 6) ./30mr56plus.sh

The system will automatically reboot after all patches have been applied.

If the system does not automatically restart, telnet to the servers serial port on the terminal server and reboot the system using command 'init 6'.

Q01150648 patch must be reapplied (Introduced in 3.0.55 MR - Updated in 3.0.56 MR)

Required: Patch CDs version 12 or higher.

** Note: This patch was released with the 3.0.55 MR however there was an issue with the original patch. It has been corrected. Please reinstall.

Q01150648 "MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive"

This patch for performance a system backup on V100 server on a tape drive connected to USB.

Note: The time required to apply this patch is less than 1 minute

The patch is found on the Solaris patch CD in a directory named "Q01150648-b"

Patch install instructions:

-
- 1) Login as root to the server
 - 2) Copy file patchQ01150648.tar from the Q01150648-b directory of the patch CD to /tmp of all Solaris servers
 - 3) tar xvf patchQ01018928.tar
 - 4) cd patch

5) Issue this command to apply the patch:
./install.sh

5) Issue this command to verify the patch was applied successfully:
cksum /usr/local/bin/mcp_backup.pl

Output should be:

2058661539 47066 /usr/local/bin/mcp_backup.pl

Q01150648-01"MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive"

The patch provides changes for the "mcp_enable_remote_sh.pl" script which allows remote operations.

Required: Patch CDs version 13 or higher.

Note: The time required to apply this patch is less than 1 minute

Patch install instructions:

- 1) Login as root to the remote server
- 2) Copy bkupRstrUtilities.pm and install.sh files from Q01150648-01_remote_enable directory on the patch CD to /tmp of all Solaris servers
- 3) Modify the permissions of install.sh to be executable

cd /tmp

chmod 755 install.sh

4) Issue this command to apply the patch:

./install.sh

5) Issue this command to verify the patch was applied successfully:

cksum /usr/local/bin/bkupRstrUtilities.pm

Output should be:

1272343755 82555 /usr/local/bin/bkupRstrUtilities.pm

.....
Following steps will help to know the tape drive status. Before proceeding with the backup to tape, ensure that your USB tape drive is detected by the system. Use the following command:
 mt status

If the system is unable to detect the tape drive, Please the follow these steps.

1. Login as root
2. touch /reconfigure
3. reboot the server with the following parameters:
#init 0
#boot -r
4. After reboot has completed, login as root or sysadmin
5. Execute the following command to check the status of the tape drive

 mt status

For example:

Case1 : If the tape drive is detected by the system, output of "mt status" will look similar to the following example:

```
# mt status
Vendor 'Seagate ' Product 'STT3401A ' tape drive:
sense key(0x0)= No Additional Sense residual= 0 retries= 0
file no= 0 block no= 0
```

Case 2: If the tape drive was not detected by the system, output of "mt status" the following output is displayed:

```
# mt status
/dev/rmt/0n: No such file or directory
```

6. If your system is still unable to detect the tape drive, please contact your next level of support.

*****End of Solaris operating system patches for 3.0.56 MR ***

*****Microsoft operating system patches*****

Q01239801 - Microsoft Security Vulnerabilities

This patch addresses the following Microsoft Security Vulnerabilities

<http://www.microsoft.com/technet/security/bulletin/MS05-002.msp>
<http://www.microsoft.com/technet/security/bulletin/MS05-010.msp>
<http://www.microsoft.com/technet/security/Bulletin/MS05-025.msp>
<http://www.microsoft.com/technet/security/Bulletin/MS05-026.msp>
<http://www.microsoft.com/technet/security/Bulletin/MS05-027.msp>
<http://www.microsoft.com/technet/security/bulletin/MS05-040.msp>
<http://www.microsoft.com/technet/security/Bulletin/MS05-050.msp>
<http://www.microsoft.com/technet/security/Bulletin/MS05-052.msp>

NOTE: The application of this patch will require a reboot of the system.

Instructions:

1) Copy the following files from the patch CD to each of the MAS servers

IE5.01sp4-KB883939-Windows2000sp4-x86-ENU.exe (only required if running IE5.01sp4)
IE5.01sp4-KB896688-Windows2000sp4-x86-ENU.exe (only required if running IE5.01sp4)
IE6.0sp1-KB883939-Windows-2000-XP-x86-ENU.exe (only required if running IE6.0sp1)
IE6.0sp1-KB896688-Windows-2000-XP-x86-ENU.exe (only required if running IE6.0sp1)
Windows2000-KB885834-x86-ENU.EXE
Windows2000-KB891711-x86-ENU.EXE
Windows2000-KB893756-x86-ENU.EXE
Windows2000-KB896358-x86-ENU.EXE
Windows2000-KB896422-x86-ENU.EXE
Windows2000-KB896424-x86-ENU.EXE
Windows2000-KB904706-x86-ENU.EXE

2) Execute each installation executable.

3) Follow the instructions given asked by the installer.

Q01250930 - Microsoft Security Patch MS05-053

This patch addresses the following Microsoft Security Vulnerabilities

<http://www.microsoft.com/technet/security/Bulletin/MS05-053.msp>

NOTE: The application of this patch will require a reboot of the system.

Instructions:

1) Copy the following file from the patch CD to each of the MAS servers

Windows2000-KB896424-x86-ENU.EXE

2) Execute the installation executable.

3) Follow the instructions given asked by the installer.

Q01264714 - Microsoft Security Patch MS05-051 - 3.0

This patch addresses the following Microsoft Security Vulnerabilities

<http://www.microsoft.com/technet/security/bulletin/ms05-051.msp>

NOTE: The application of this patch will require a reboot of the system.

Instructions:

1) Copy the following file from the patch CD to each of the MAS servers

Windows2000-KB902400-x86-ENU.exe

2) Execute the installation executable.

3) Follow the instructions given asked by the installer.

**Q01275864 - Microsoft security patch MS05-054 - 3.0

This patch addresses the following Microsoft Security Vulnerabilities

<http://www.microsoft.com/technet/security/Bulletin/MS05-054.msp>

NOTE: The application of this patch will require a reboot of the system.

Instructions:

1) Copy each file from the patch CD to each of the MAS servers

IE5.01sp4-KB905915-Windows2000sp4-x86-ENU.exe (only required if running IE5.01sp4)
IE6.0sp1-KB905915-Windows-2000-XP-x86-ENU.exe (only required if running IE6.0sp1)

2) Execute the installation executable.

3) Follow the instructions given asked by the installer.

Q01285961 - Microsoft security patch MS06-001 - MCP 3.0

This patch addresses the following Microsoft Security Vulnerabilities

<http://www.microsoft.com/technet/security/bulletin/ms06-001.msp>

NOTE: The application of this patch will require a reboot of the system.

Instructions:

1) Copy the following file from the patch CD to each of the MAS servers

Windows2000-KB912919-x86-ENU.EXE

2) Execute the installation executable.

3) Follow the instructions given asked by the installer.

Q01337987 - ISN07: OPTUS: MCS5200:Change of Daylight Saving Time in Australia
(MAS Platform)

This patch includes the latest released Microsoft patches, of which specifically included are new Daylight Saving Time as per:

<http://support.microsoft.com/?kbid=912475>

To apply the patch run windows2000-kb912475-x86-enu.exe from the Patch CD.
Please restart the server when prompted.

Q01344279 - Bell Canada MCS 5200: MAS Ann/MOH blade Event error 1000

This patch includes the latest released Microsoft patches, of which specifically included are fix for a registry leak issue observed after the installation of the MS03-026 security update:

<http://support.microsoft.com/?kbid=827825>

To apply the patch run windows2000-kb827825-x86-enu.exe from the Patch CD.
Please restart the server when prompted.

*****End of Microsoft operating system patches for 3.0.56 MR*****

*****RTP Media Portal patches*****

Q01255591 - Remove compiler from RTP portal SAM-16

NOTE - The time to update each server is less than 1 minute

Patch install instructions:

- 1) Login as root to the Media Portal Host
 - 2) Copy Q01255591.sh from Patch CD to /tmp
 - 3) chmod 755 Q01255591.sh
 - 4) ./Q01255591.sh
 - 5) rm Q01255591.sh
-

Q01256200 - RTP 3.0.3 Patch doesn't let blades enough time to come up in HKBN site
This patch upgrades a 3.0.4 Portal to a 3.0.5 Portal. After installing a previous RTP portal patch, some blades were still not coming up.
This patch addresses this issue.

You must login as root to install this patch.

A. CD-ROM Method

- 1) Insert CD ROM.
- 2) mount /dev/cdrom /mnt/cdrom
- 3) cd /mnt/cdrom
- 4) ./install
- 5) cd
- 6) umount /mnt/cdrom
- 7) eject

B. No CD Method

- 1) Transfer patchQ01256200.iso and no-cd-install files to target Portal.
- 2) chmod +x no-cd-install
- 2) ./no-cd-install

*****End of RTP Media Portal patches for 3.0.56 MR*****

*****iPlanet Web Server patches*****

Q01114239 - MCS 5100 - 3.0 - Trial - 944 Alarm on the SMC

iPlanet Web Server Service Package 10 installation instructions

NOTE - Time to update each server is less than 1 minute

1. Login as root
2. cd /tmp
3. Create iplanet directory

mkdir iplanet

4. Copy iplanetSP10update.zip from Solaris_patch CD to /tmp/iplanet
5. unzip iplanetSP10update.zip
6. ./installSP10.sh

*****End of iPlanet Web Server patches for 3.0.56 MR*****

*****Media Application Server(MAS) patches*****

Q01344539 - MAS firmware changes for MCS 3.0.56 and 9.0

Please read all .txt files in the zip files provided in the Patch CD.

Patch Applications Instructions:

If you have an BladeCenter e-server, execute #4,5,6.

If you have a BladeCenter-T, execute #1,2,3.

This patch does not apply to x335 / x336.

1. Update the firmware for management module

1.1) Login to the Management Module GUI

1.2) Unzip 4ly7853.zip to a folder of choice

1.3) Under MM Control-> Firmware Updates, click the browse button to the folder where the management module firmware updates are unzipped.

There are two packet files that can be updated:

CNETRGUS.PKT

CNETMNUS.PKT

Load CNETRGUS.PKT packet file, reset the Management Module,
then load the CNETMNUS.PKT file and reset the Management Module again.

2. Firmware update for Blade-Center ESM (gbesm-aos-1.2.2.0.zip)

2.1) Using the Management Module GUI, navigate to:

I/O Module Tasks -> Configuration -> Bay X

->Advanced Configuration -> Start Web session

Enter "admin" for the username and 'admin' for the password.

2.2) Unzip gbesm-aos-1.2.2.0.zip to a folder of choice

2.3) Click the CONFIGURE button (near top of page)

2.4) In the frame on the left, click on the "Nortel Networks
Layer 2-3 GbE" folder icon and navigate to:

System -> Config/Image Control

The GbE switch provides storage for two (2) OS images and one (1) Boot image. What you are about to do consists of the following sequence:

- load the new OS image into one of the image banks
- reset the switch
- load the Boot image
- reset the switch

NOTE: When you reset the switch it boots using the 'selected' image (1 or 2). Please ensure that you are booting from the upgraded image (see "Next Boot Image Selection" field).

2.5) Upgrade the OS image as follows:

- a) Fill in the following three (3) fields on the lower half of the page:

Hostname or IP Address of FTP/TFTP server => <server_addr>
Image Filename => GbESM-AOS-1.2.2.0_os.img
Image for Transfer => 1 or 2 (i.e. the preferred image bank)

NOTE: It is recommended that you retain the previous OS version by loading the upgrade into the other image bank and then reset the switch using the new image. (use the "Next Boot Image Selection" field to select the preferred image).

- b) Click the "Get Image" button.

Wait for the upgrade to complete successfully.

- c) Click the "REBOOT!" button to reset the switch.

NOTE: You MUST Reset the switch to activate the new image. Resetting the switch kicks you out of the BBI, so Steps 1-4 need to be executed again before proceeding to the next step. A switch reset completes in approximately 60 seconds.

2.6) Upgrade the Boot image as follows:

- a) Fill in the following three (3) fields on the lower half of the page:

Hostname or IP Address of FTP/TFTP server => <server_addr>
Image Filename => GbESM-AOS-1.2.2.0_boot.img
Image for Transfer => boot

- b) Click the "Get Image" button.

Wait for the upgrade to complete successfully.

- c) Click the "REBOOT!" button to reset the switch.

3. BIOS and Diagnostic update for Blade-Center HS20

-
- A1) Extract "hs20 8843 bios update v1.07.zip" and run 41y7909w.exe
 - A2) Choose "Perform Update" and click "Next"
 - A3) Click "Next" and wait for the the upgrade to finish.
 - A4) Click "Exit"
-
- B1) Extract "hs20 8843 diagnostic update v1.08.zip" and run 42c5573w.exe
 - B2) Choose "Perform Update" and click "Next"
 - B3) Click "Next" and wait for the the upgrade to finish.
 - B4) Click "Exit"

** 4. Update the firmware for BladeCenter e-server management module

Note: Please follow the steps mentioned in section above for EMR 3.5.7.3
New firmware is introduced in EMR 3.5.7.3.

** 5. Firmware update for BladeCenter e-server ESM

Note: Please follow the steps mentioned in section above for EMR 3.5.7.3
New firmware is introduced in EMR 3.5.7.3.

6. BIOS and Diagnostic update for BladeCenter e-server HS20

-
- ** A1) Extract "hs20 8832 bios update v1.10.zip" and run 41y7805w.exe
 - A2) Choose "Perform Update" and click "Next"

A3) Click "Next" and wait for the the upgrade to finish.

A4) Click "Exit"

B1) Extract "hs20 8832 diagnostic update v1.04.zip" and run 31r3454w.exe

B2) Choose "Perform Update" and click "Next"

B3) Click "Next" and wait for the the upgrade to finish.

B4) Click "Exit"

*****End of Media Application Server(MAS) for 3.0.56 MR*****

(Introduced in MR 3.5.7)

**Valid for all hardwares that MAS is running on
(i.e. IBM x335, IBM BladeCenter e-server, IBM BladeCenter-T)

!!!WARNING!!!

- Only install the NIC driver if the NIC drivers are NOT at version 8.22.1.
If your NIC drivers are already at this level, the installer will attempt to remove the driver.

- Only install the BASP driver if the BASP driver is NOT at version 6.1.8.

- Follow the steps from Section 3 to check the driver levels.

** !!!WARNING: Please avoid installing the drivers (NIC/BASP) by Remote Desktop Connection, as you may lose MAS TEAM adapter configuration which will lead you to re-assign the IP addresses that was running on MASTEAM adapter.

1. Steps to Upgrade NIC / BASP Drivers of MAS Servers

A. Preliminary Work

1) Extract and Launch the Install Application

The drivers are delivered in a self-extracting archive, 39r6666.exe. Run this program to extract the installer (note this step does not install the drivers, it merely extracts the files).

2) Click Next.

- 3) Extract the files to the default location c:\Drivers\v816
- 4) There may be already files present at this location if this file has been unpacked earlier.
To be safe, simply overwrite these files by selecting "Yes to All".
- 5) The Installer is now available at C:\Drivers\v816.
To start the installer application GUI, run "launch.exe".

B. Install the NIC Driver

- 1) To Install the NIC drivers (if necessary) click "Driver Installer".
- 2) Click Next at the welcome screen.
- 3) Accept the license agreement.
- 4) Click Install to run the NIC driver installer.

C. Install the BASP Driver

- 1) Click the "Management Applications" button from the install screen.
- 2) Click Next at the welcome screen.
- 3) Accept the license agreement.
- 4) The "Control Suite" and "BASP" components are required and should be selected (default).
- 5) CIM Provider and SNMP are not needed and should NOT be installed.
- 6) Click Install to begin the installation.
- 7) A reboot is required to complete the process.

D. Validate the Driver Levels

- 1) Follow the steps from Section 3 to check the driver levels.

The new driver levels are:

-NIC driver : 8.22.1
-BASP driver : 6.1.8

E. Verify Security and Hardening Settings

----- 1) Disable NetBIOS and LMHosts Lookups

-Disable NetBIOS as indicated and uncheck "Enable LMHosts lookup" on the MAS Team (BASP Virtual Adapter).
-You will find these settings under TCP/IP settings->advanced->WINS tab.
-Do not add WINS addresses to the system.

2) Uninstall both "Client For Microsoft Networks" and "File and Printer Sharing for Microsoft Networks" on All Adapters (if installed)

-Remove file and printer sharing support and Microsoft network access support for the system.
(Both components will be removed from the component list.)

-Ensure the "QoS Packet Scheduler" is included in the components connection.

-Check the "Show icon in taskbar when connected" option.

-For both local area connections (not MASTeam), perform the following steps.

-Click "Configure" to alter the NIC driver settings.

-Change the value of "Checksum Offload" to use both transmit and receive offloading as indicated.

-Configure the "Internet Protocol (TCP/IP)" properties of the virtual adapter.

-Complete the static IP address information as required for the destination network.

-Ensure "Enable LMHOSTS lookup" is not checked, and "Disable NetBIOS over TCP/IP" is selected.

3) Enable TCP/IP Filtering to hide RPC port services

-Enable TCP/IP filtering by selecting the optional setting as indicated and clicking "Properties".

-Check the boxes and radio buttons as indicated.

-Add the following TCP ports:

80, 3389, 4001, 4004, 4005, 5060, 7080, 19899, 19999, 52005, 52007

****F.** If you lose the MAS TEAM adapter configuration while installing the drivers
(NIC/BASP) by Remote Desktop Connection

follow the steps below with a local Monitor and Key board directly connected to the server:

- 1) Go to control panel and click on the Network and Dial-up connections.
- 2) Select MAS Team and click on properties, a dialog box will appear.
- 3) Select Broadcom Advanced Server Program Driver and click on the Properties,
a dialog box will appear.
- 4) Select the team members (Ethernet Adapter) for the team, from Broadcom NeXtreme
Gigabit Ethernet adapters listed in the left pane under the unassigned adapter's field.
 - (a) Select 0000 from unassigned adapter's field, make sure it is highlighted and click
on arrow pointing to Team members field so it is assigned as primary Ethernet interface.
 - (b) Select 0001 from unassigned adapter's field, make sure it is highlighted and click on
arrow pointing to Standby adapter field so it is assigned as secondary Ethernet interface.
- 5) Click OK button for change to take place.

*****Start of DSM patch for 3.5.7*****

DSM patch (CR Q01260233)

DSM patch must be installed before core software upgrade.

Installation instruction:

These steps should be performed on all MCS servers.

1. Login as root
2. Copy dsm.zip from CD (Q01260233\dsm) to /export/home/nortel/
3. cd /export/home/nortel
4. unzip dsm.zip
5. cd dsm
6. chmod +x updatedsm.sh
7. ./updatedsm.sh

If it is necessary to restore previous version of DSM, please follow the instructions (on the CD) in \Q01260233\dsm\how_to_restore_dsm.txt.

****DSM Jar must be updated after deploying management server (executing mgmtdeploy.pl) and before upgrade other components. This patch will apply only on management server and every time after you deploy management module (execute mgmtdeploy.pl).**

****NOTE: THIS PATCH for DSM jar WILL APPLY ONLY IF current MCS release is older then 3.5.7. If system software version is 3.5.7 or newer , this patch is not required.**

Installation instruction:

These steps should be performed on Management server

1. Login as root
2. Copy dsmjar.zip from CD(Q01260233\dsmjar) to /export/home/nortel/
3. cd /export/home/nortel
4. unzip dsmjar.zip
5. cd dsmjar
6. chmod +x updateddsmjar.sh
7. ./updateddsmjar.sh
8. Reboot the management server.

If it is necessary to restore previous version of DSM jar, please follow the instructions(on the CD) in \Q01260233\dsmjar\how_to_restore_dsmjar.txt.

*****End of DSM patch for 3.5.7 *****

*****Start of Windows (For MAS server) patch for 3.5.7*****
Q01304160 - IE6.0Sp1 patches broke MAS servers display of Explorer Windows

Patch Installation Instructions:

-
1. Copy Q01304160.zip (from CD under /Q01304160) to a temporary folder on MAS server
 2. Unzip the above copied file Q01304160.zip
 3. Execute the file Q01304160.reg by double clicking. This will modify the windows registry.

4. Restart the server.

*****End of MAS patch for 3.5.7*****

(Introduced in 3.5.7.3 EMR)

*****Solaris operating system patches*****

**WARNING-1: Solaris & Third Party Patching MUST be performed PRIOR to any MCS software being deployed to nodes in the Management Console.

***WARNING-2: Solaris Patches must ALWAYS be applied in the MR order for which it was released. Verify the Solaris Patch Level you are on (See Section 3 above) for EACH server, and if required install 30MR16 then install 30MR56 and only then install 30MR57plus.

Not following the correct patching sequence may require system to be re-installed from scratch, to get back to the proper working condition.

Note: Time required to update patches on one server can take upto few hours.

**Solaris 8 - 30MR57plus Solaris Patches

**Q01511130 - Solaris Patches for new Day light Saving changes in Australia and US

Beginning in 2007, Daylight Saving Time in the U.S. (and many Canadian provinces) will begin on the second Sunday in March and end the first Sunday in November rather than beginning on the first Sunday in April and ending the last Sunday in October.

** NOTE: EST timezone users should select US/Eastern or Canada/Eastern for proper DST.

.
This patch includes the latest released Solaris 8 patches, of which specifically included are 109809-05 and 108993-65 for the new Daylight Saving Time for US and West Australia:

|-----
|
| Solaris Patches Included (Refer to section 3 for instructions on

how to list Solaris patches)

108434-22	109783-03	110953-08	112611-02
108435-22	109793-29	110955-06	112668-03
108528-29	109805-17	110957-02	112792-01
108576-52	109809-05	111023-03	112796-01
108725-25	109815-21	111069-01	112846-01
108773-27	109862-03	111071-01	113648-04
108806-21	109882-06	111098-02	113650-02
108835-04	109883-02	111111-06	113679-08
108869-32	109885-20	111232-01	113682-02
108899-04	109887-18	111234-01	113685-06
108909-13	109893-04	111302-03	113687-02
108919-30	109894-01	111308-05	113749-02
108949-09	109896-30	111310-01	113792-01
108968-11	109922-04	111313-04	114045-14
108974-50	109928-05	111317-07	114152-01
108975-10	109931-10	111321-05	114162-01
108977-04	109951-01	111325-02	114251-01
108981-14	110068-04	111327-05	114536-14
108985-03	110075-02	111332-08	114537-39
108987-18	110286-15	111335-32	114554-34
108989-02	110322-02	111400-04	114673-01
108993-65	110335-03	111504-02	114802-02
109007-23	110380-06	111548-01	114984-01
109023-05	110386-04	111570-04	115275-08
109077-19	110389-05	111588-07	115797-01
109091-09	110416-07	111596-03	115827-01
109134-33	110453-04	111606-06	116455-01
109147-43	110458-02	111626-04	116602-01
109149-02	110461-03	111647-01	116610-01
109152-02	110609-04	111792-16	116950-11
109154-21	110615-16	111826-01	116959-15
109202-06	110662-23	111844-04	116962-12
109223-08	110668-05	111874-08	116965-24
109238-02	110670-02	111879-01	116973-05
109277-04	110723-09	111881-03	116984-01
109318-38	110820-12	111883-34	116986-02
109320-19	110826-12	111958-03	116993-01
109324-09	110836-06	112039-01	116997-01
109326-18	110837-06	112097-06	117000-05
109328-06	110842-12	112138-01	117049-02
109354-24	110896-03	112161-04	117350-45

109454-05	110898-13	112168-04	119067-05
109458-04	110901-01	112237-14	122091-01
109460-10	110903-07	112279-03	123478-01
109470-02	110910-06	112325-01	124270-01
109613-07	110916-06	112345-04	
109657-11	110934-26	112390-12	
109667-07	110939-01	112396-03	
109695-03	110943-04	112425-01	
109764-06	110945-09	112459-01	
109778-22	110951-07	112609-02	

NOTE - Time to update each server is approximately 1 hour

- Read the README.txt file with in the patch in the patch CD to have more details about the patch cluster.
- Skip the Install Instruction given in the README.txt file and follow the instructions given below.

WARNING!! IT IS HIGHLY RECOMMENDED that the installation of this patch cluster be performed in single-user mode (Run Level S).

WARNING!!While Installing the patch cluster in single user mode for any server system may run into a hung (non-responsive) state while either going to single user mode or while the system reboots after applying the patches. At this stage do NOT power cycle the system. This may lead to filesystem corruption.

Please follow the following steps to recover from hung (non-responsive) state:

- 1) Log in to the server through the LOM port.
- 2) Execute command "reset", this will cause system to reboot.
#lom> reset
- 3) System will come up.

Steps to be followed to go to Single user mode:

Always change init states into single user from the serial port and not from a remote ssh connection, as single user mode does not include networking.

- 1) Login through serial connection(as root).

2) Execute command "init s".

init s

3) Root password is necessary here. Give it when prompted.

NOTE: If you are at the OK prompt: Type "boot -s" to enter into single user mode.

This will cause the Server to reboot.

Please follow following NTP for system upgrade: NN42020-303- MCS Maintenance Upgrade Guide.

WARNING! This patch should be installed prior to upgrading the MCP software to 3.5.7.3

If the MCP software is upgraded prior to applying this patch, a restart of the Provisioning Componenet from the MCP System Management Console will be required.

WARNING! Prior to applying patches, verify that the server has adequate resources available.

If the CPU or memory is above 90%, it is recommended to kill any processes that are running.

If during the patch install the process takes longer than an hour, kill the patch process, and then kill any processes running high on the server. Now restart the patch process.

Since a reboot of the server is required after patch installation anyway, this is not a concern.

In addition to verifying resources, verify that the /tmp directory is emptied prior to applying patches.

WARNING! The Application of SUN Patches requires a Re-Boot which will be performed automatically as part of the 30mr57plus script.

WARNING! During the Platform Patching the CPU usage will reach 100% during the unzip process.

Patch install instructions:

-
- 1) Login as root in single user maintenance mode.
 - 2) Copy 30mr57plus.zip from Solaris_patch CD to /export/home/nortel
 - 3) unzip -d / /export/home/nortel/30mr57plus.zip
 - 4) cd /opt/30mr57plus
 - 5) chmod 755 30mr57plus.sh
 - 6) ./30mr57plus.sh

The system will automatically reboot after all patches have been applied.

If the system does not automatically restart, telnet to the servers serial port on the terminal server and reboot the system using command 'init 6'.

** Q01477684- CAA / MCS 5100 3.5.6 / System won't boot cleanly

Patch install instructions:

- 1) Login as root to the server
- 2) Copy file Q01477684.tar from the Q01477684 directory of the patch CD to /tmp of Solaris servers where provisioning module is configured and running
- 3) tar -xvf Q01477684.tar
- 4) cd rcpatch
- 5) Issue this command to apply the patch:
./install.sh

- 5) Issue this command to verify that patch was installed successfully:
cksum /etc/rc3.d/S10cleanipid

And output should be,

1906480048 386 /etc/rc3.d/S10cleanipid

** Q01546318-04- MCS/SSL 09: OMs and logs have incorrect timestamps after March 11th for US

Patch install instructions:

- 1) Login as root to the server
- 2) Copy file jretz2006p-v1.zip from Solaris Patch CD under folder Q01546318-04 to /opt/j2rel1.4.2_06/lib
- 3) go to /opt/j2rel1.4.2_06/lib
cd /opt/j2rel1.4.2_06/lib
- 3) move the existing zi folder to zi_old
mv zi zi_old
- 4) unzip the file jretz2006p-v1.zip
unzip jretz2006p-v1.zip
- 5) Remove the zip file
rm jretz2006p-v1.zip
- 6) restart the server.
reboot

*****End of Solaris operating system patches for 3.5.7.3 EMR*****

*****RTP Media Portal patches*****

**Q01466928- [MCP3.0] - Daylight Saving Time changes for USA (beginning in 2007)

-Once this patch has been applied, the RTP Media Portal will have correct timezone data.

However, if the RTP Media Portal is re-installed at any time following the application of this patch, the timezone data will again be incorrect until this patch is applied

to the system. In general, such a re-install would proceed as follows:

- 1) Media Portal is re-installed. The timezone data is incorrect.
- 2) Below mentioned patches are re-applied to the system and the timezone data is corrected.
- 3) Following application of patches, it may be necessary to correct the timezone based on the updated timezone data that was installed during step 2. If this is required, the timezone chosen during installation may be corrected by running the PortalConfig.pl script on the Media Portal and choosing a new timezone.

Instructions:

1. Login to Media Portal host as root.

2. Transfer file patchQ01466928.tar
to target portal host from the folder Q01466928 of RTP Media Portal Patch CD.

3. How to Apply patch patchQ01466928.tar
Confirm that the patch level is 4
> cat /admin/portal.cfg | grep patchlevel

Change to the directory where the patchQ01466928.tar(patch) has been transfered,
untar and run install as follows:

```
> tar xf patchQ01466928.tar
> cd patch
> ./no-cd-install
```

Remove old patch directory.

```
> cd ..
> rm -rf patch
```

4. You must restart Media Portal to be sure that the patches are applied successfully.

*****End of RTP Media Portal patches for 3.5.7.3 EMR*****

*****Start of Windows (For MAS server) patch for 3.5.7.3 EMR*****

**Q01477256-02: Windows 2000 Patch - Daylight Saving Time changes for USA (beginning in 2007)

Patch Install Instructions:

- 1) Copy the contents from the directory Q01477256-02 of the patch CD to the MAS server.
- 2) Browse to the directory where the contents are copied
- 3) Double click to DST_changes_for_W2K.bat file

Note: This file edits the Windows Registry to update the timezone information for:

- Eastern Standard Time
- Central Standard Time
- Mountain Standard Time
- Pacific Standard Time
- Alaskan Standard Time
- A restart is required even if the restart is cancelled or not done by the batch file.

Note: timezones.reg file is needed by DST_changes_for_W2K.bat and includes the related TZI data for the above timezones.

!!!Warning!!! Manually editing the Windows Registry must be avoided.

*****End of Windows (For MAS server) patch for 3.5.7.3 EMR*****

*****Media Application Server(MAS) patches EMR 3.5.7.3*****

**Q01534732- Nortel/MCS 5100/ 3.5.6/: ESM is unpingable from MM

Please read all .txt files in the zip files provided in the Patch CD.

Patch Application Instructions:

If you have an BladeCenter e-server, execute following Steps:

1. Update the firmware for IBM BladeCenter e-server management module

-
- 1.1) Login to the IBM blade center management console
 - 1.2) Unzip ibm_fw_mm_bret85m_anyos_noarch.zip to a folder of choice
 - 1.3) Under MM Control-> Firmware Updates, click the browse button to the folder where the management module firmware updates are unzipped.
There are two packet files that can be updated:
CNETRGUS.PKT
CNETMNUS.PKT

Load CNETRGUS.PKT packet file, reset the Management Module,
then load the CNETMNUS.PKT file and reset the Management Module again.

2. Firmware update for IBM BladeCenter e-server ESM (version_97.zip)

Unzip version_97.zip to a folder of choice

Either use the MM interface or a web browser to HTTP:// to the IP address of the switch.

Under Maintenance, Using Browser permits browsing the local machine for the IBMRUN.097 file.

To use this option, find the file, and select Open and Start.

The switch will flash update in approximately a minute, and then reboot. Connection to the updated switch will be available immediately following the reboot. The switch should not be unplugged or reset during this process.

Also under Maintenance is the option of Using TFTP Server.

- Enter the IP address of the TFTP server in the "Server IP address" field and the complete path and filename of the firmware code for the switch.
- Click Start to initiate the file transfer.

This information can be applied and saved to NVRAM if desired.

- Click Apply to enter the IP address into the switch RAM.
- Select Save Changes if to enter the address into the switch NVRAM.

Note: After file transfer and ESM Re-Boot is completed, via the MM Browser, initiate an ESM power cycle (off then on) to refresh the MM Hardware VPD data. An alternative is to remove and re-install the ESM. Verify, the expected ESM FRU and Assembly part numbers are displayed.

NOTE: Above mentioned firmwares are available under a new folder "MAS_Firmware_Updates-3.5.7.3" in the Patch CD.

*****End of Media Application Server(MAS) for 3.5.7.3 EMR*****

This section is intended to provide the reader with reference to problems which have been solved in recent maintenance releases.

CR Number Priority Request Title

(Solved in MR 3.5.8)

Product	Case Id	CR Id	Priority	Title
MAS		Q01576652	2	[MCS9.1] - W2K Enhanced Patch for NA DST Changes (beginning in 2007)
MAS		Q01349158-01	3	MAS: Daylight Savings Time adjustment caused problems
MAS	070123-10949	Q01511158	3	MAS Windows Patches required for new Day light Saving changes in Western Australia
MAS		Q01568138-01	2	MCS09 - P2 - MAS - After US DST transition SIP logs are not in correct time
MAS		Q01566791-01	1	MAS: Voicemail timestamp is wrong after DST trigger
MAS	061012-09890	Q01477965	2	MCS 5100 3.5.6 licenses exhausted
Core	061220-83103	Q01525694	2	TELEFONICA SOLUCIONES/Multimedia Comm./The SIP application server get locked
Core	060718-07869	Q01419651-02	3	To add the new GC parameter changes into the appsvr.cfg file
	060925-89391			
Core		Q01514173	3	registration problem in L3 Geo Redundant system
Core		Q01562344	4	User spoofing in PA
Core	061123-55895	Q01526723	2	MN:3D:ES:MCS5100:V3.5.5.1:client can not login need to restart
Core	061226-86381			
Core		Q01507396-01	3	Sigma reports 500 CSeq out of order on incoming NOTIFY
Core	061117-51330	Q01569033	3	Meetme conference has no speech path for users hit on the
different MAS blade	070222-44471			
Core	070205-25254	Q01572932	3	CIBC // MCS 5100 3.5.7 // Issue with internal and external calls
to sleep PCC				
Core		Q01619000	3	Update unistim firmware for MCS 5100 to Unistim version 1.1
Release Notes		Q01588424	3	3.5.7.3 release notes incorrect for MAS NIC/BASP update
Release Notes	070117-05344	Q01537724	3	MCS 5100 3.5.7 release notes clarification.

Section 6

Details on Solved Issues Needing Further Explanation

This section is intended to provide further clarification on some of the solved CRs.

CR Number	Priority	Request	Title
-----------	----------	---------	-------

(Introduced in MR 3.5.8)

Description of Solved Issues:

**Q01572932 CIBC // MCS 5100 3.5.7 // Issue with internal and external calls to sleep PCC

This CR will resolve the issue of dead air to the caller when the called party PCC is in hibernating mode or is out of network due to disconnection. In these scenario the caller will hear ringback tone and can leave a voice mail after no answer.

(Introduced in EMR 3.5.7.3)

Description of Solved issues

**Q01546329-03 MCS/SSL 09: Alarm times are displayed wrong for dates after March 11th

On March 11, 2007 at 2 AM when the DST changes for US apply, the time on the Solaris Servers will be changed to 3 AM, But the Alram displayed on the management console will still have the time as 2AM. To fix this problem the latest time zone information will be updated in the JRE present in the management console.

Note: In order to test this fix we need to ensure that the Management Console client(MCP) and the Solaris servers should be in the same time zone. Also the "Automatically Adjust Clock for Daylight Saving changes" check box should be checked in the TIME ZONE tab of the OS on which MCP console is running.

**Q01546318-04 MCS/SSL 09: OMs and logs have incorrect timestamps after March 11th for US

On March 11, 2007 at 2 AM when the DST changes for US apply, the time on the Solaris Servers will be changed to 3 AM, but the time displayed in the debug mode and the timestamps on the OM will be still 2 AM. To resolve this the JRE present in all the servers is updated with the latest zone information.

(Introduced in MR 3.5.7)

Description of New Features

Q01386350 MCS5100 3.0/3.5: AppSvr Full Session Blocking give NO MC Alarms

A new minor alarm "High System Load" is introduced to warn Administrator so that necessary action could be taken to reduce the system load. This is a indication to the administrator that system may get into Full session blocking, a state where no new calls would be processed by MCS.

Two new parameters have been added to the Overload Controls tab in Appserver (Management Console -> Appserver -> Overload Controls Tab).

These parameters are:

- Call queue major threshold
- Database queue major threshold

These parameters are used to control the threshold values for 'High system load'. When the system reaches beyond these threshold values, a minor alarm (yellow) is raised on the Alarm browser of Managment console. This alarm will automatically clear when system values goes below threshold.

Default values for the two parameters:

Default values for V100:

- Call queue major threshold -> 90
- Database queue major threshold -> 17

Default values for Netra 240:

- Call queue major threshold -> 280
- Database queue major threshold -> 22

(Notes from previous MRs)

(Introduced in MR 3.0.56)

CIVO MCS3.0:Mgmt MR Upgrade: Software Deployment failed Error running DSM Client

Occasionally, software deployment could potentially fail with the following error:

Software Deployment failed, because of the following error: Error running DSM Client:

Problem connecting to FileSender: Connection refused.

If this happens, please execute the following steps on the management server:

1) Login as root to management server

2) # ps -ef |grep COM

Output will be similar to the following:

```
root  4900   167   1 12:20:41 ?          0:02 /usr/java/bin/../jre/bin/../bin/sparc/native_threads/java -Xmx256m
COM.Nortel.s
```

3) Kill -9 <COM Process id>, which in this case is 4900

Q01265902 MCS3.0-P2-Java security vulnerability #102003

If using the Web Client, while deploying new load,
"Download JRE Version" field must be edited as
1.4.2_09 in Web Client Manager tab on WCM and PROV components.

Q01276895 - MCP 3.0 SM: NullPointerException occurs when using SM to provision the UAS

Change details:

- AuthenticationMgr.xml files have been changed for following modules:
SIP PRI Gateway , SIP Audio Server. New data field
"allowRequestsFromAllForeignDomains" has been added into.

Upgrade details:

- When upgrade this modules label allowRequestsFromAllForeignDomains label
at the check button will be highlighted (blue text).

Q01245536-01 - Beta MCS5100 3.5 - ISMCS - Huge network call logs.

A large number of user network call logs can cause database performance issues.
A new script is now part of the database deploy in 3.0.56. This script only
needs to be run one time. It changes the size of the tablespace of the

table that stores network call logs and will improve database performance when this table contains large amounts of data.

1) Login as oracle onto the primary and replicated dbs

2) Run script update_network_calllog_table.sh in the

/IMS/imssipdb/data/db_schema/util directory.

Invoke: update_network_calllog_table.sh KEEP/DELETE

KEEP - if you want to keep network call logs

DELETE - if you want to delete network call logs

(Introduced in MR 3.0.55)

Q01228229 - MCS5200:3.0.20:HiNet_TW:IPDR file couldn't be rotated when the condition met
Collection of IPDR files from the Accounting Server is possible by either
FTP Push or via a near real-time TCP/IP connection (that requires the
customer/OSS vendor to create an application to do this). Delivery of
IPDR records using the TCP/IP approach is not guaranteed since there is not
a mechanism to determine whether any records were dropped. If a customer
wants to guarantee that no records will be dropped, FTP push must be used.

(Introduced in MR 3.0.54)

Q01176917 - SANITY 3.0.21. List all Users. during TC IMS01663 waits so much

When there are many users (thousands) defined in the MCS database, when
performing a "list users" operation without any qualification, it causes the
database CPU to jump significantly and the operation takes a long time to
complete. To avoid this, wildcard searches (i.e. * or blank) are not allowed.
Searches with a letter and an asterisk are still allowed (i.e. t*).

Q01134785 - MCS-3.0-P2-SM: Proxied registers not being authenticated

The ability to forward Register requests to foreign domains is forbidden.

Adding of MCS proxy servers to the list of trusted nodes isn't recommended because of privacy and security considerations.

(Introduced in MR 3.0.20)

Q01087505 - MCP 3.0: P3: User search query for clients

The number of entries returned for a user search has been limited to 1000 entries to avoid system resource impact. This behaviour will be evident as follows:

- a) Provisioning Client - If the search criteria is not specific enough, the message below will be displayed:
"User search will return too many entries. Please refine your criteria."
 - b) Personal Agent/PC Client Global Address Book Searches - If the search criteria is not specific enough, the message below will be displayed:
"Global addressbook search will return too many entries. Please refine your criteria."
-

(Introduced in MR 3.0.20)

Q01101801 - CIVO:MCS3.0:Prov OPI Interface Is Open to Security Breaches

Prior to 3.0.20, the MCP OPI interfaces were published to the public domain without any type of authentication necessary. The following URLs have been modified to redirect to the normal login page:

http://webserver_ipaddress/prov/services/OPI?wsdl
http://webserver_ipaddress/prov/services

To get access to the interface, the file is located in the following directory on the web server:

/IMS/web/data/web/config/opi.wsdl

(Introduced in MR 3.0.19)

Q01109739 - DTMF Tones not heard correctly from Legacy to MCS IP Phone Client

The call scenario for this problem is as follows:

POTS phone - PVG - IWSPM - MCS - i200x.

i200x terminals do not play DTMF tones, unless it the tone is inband (i.e. through the voice path). If RFC 2833 is enabled on the CS2K, the i200x device will receive the message but not play the tone. There is a chance that since the POTS phone generates a tone that is played in-band, the i200x user may only hear a partial tone, depending on the voice encoder used, the network itself, etc.

(Introduced in MR 3.0.18)

Q01065084 - CIVO:ISMCS:3.0 - No timeout on Presence when user loses Network connectivity.
The solution of this CR uncovered another issue and a new CR, Q01088780 has been opened.
A workaround has been identified in lieu of the final solution to Q01088780:

If a PC Client should crash, watchers may not be immediately notified of the users presence status after the first subsequent log-in after the crash. This issue is currently captured in Q01088780, but can be addressed in the short-term by a log-out following the crash as described below.

1. When a user logs-in to the PCC after a previous crash of the PCC application, he/she will see a dialog pop-up window with the message "The PCCClient did not exit properly from a previous run, and exiting properly is important to your network services"
2. When the user sees this he/she needs to continue to login, then logout, and login again.
3. This additional log-out, log-in sequence after the crash is needed as a short-term workaround to this issue so that watchers presence info is updated correctly.

Q01058877 - Participant Performance Issues during App Sharing

The resolution to this issue requires users to update to Download Java 2 Platform Standard Edition 5.0 JRE (JRE 5.0 Update 1), available at <http://java.sun.com>
At a windows command prompt, execute "java -version". The output will be similar to the following:

```
java -version
java version "1.5.0_01"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_01-b08)
Java HotSpot(TM) Client VM (build 1.5.0_01-b08, mixed mode, sharing)
```

Q01058882 Abandoned files left on collab server.

The abandoned files must be cleaned up manually on the existing server. Delete the content in the following dir: D:\inetpub\wwwroot\W2IG\DirectImages\Slides
If you have an older load, the directory might be on the C: drive.
The delete is safe to do at anytime.

Web Collaboration Software Note

The web collab server software upgrade for the 3.0.18 MR is as follows:

Using Add/Remove Programs:

Uninstall the WebInterpoint Server

Uninstall the Nortel Web Collab Server

REBOOT the Server

Install the software.

Note: Rebooting the server is not normally needed, but it is in this case.

Q00923224: MCS3.0 Build 325 Invalid Characters in User Name result blocks PSTN call

The cause of this problem was that the system allowed the double quote character in the first or last names of users. The system will no longer allow this. In order to account for any existing users that contain double quotation mark in their First or Last names, during an upgrade of the database to the 3.0.18 load, a log file is written to report these users. These users are not deleted. The intent is that these users should be reprovisioned appropriately so that they may establish calls.

The log file is written to the following file on the primary database server:

/IMS/imssipdb/data_changes/InvalidFirstOrLastNames.lst

An example output of this file is as follows:

```
|-----|
| The following users contain double quotation mark in their first or last names.
| This prevents them to establish calls.
| Please reprovision them appropriately
|-----|
Domain name:domain2.com,User name:engin1,First Name:engin1",Last Name:engin11"engin
```

Q01075538 - MCS3.0.15: UAS ConfServer: Fail to make Conference Call

When logged into the UAS via remote login, an admin should never logout of the server as that will kill the UAS conference process and thus kill any existing conferences and obviously not allow for new ones to be established. The correct way is to just lock the screen. In this manner, other admins can just unlock the screen to get access to the server.

(Introduced in 3.0.17)

Q01087081 - MCP-3.0FF-P1-PCC: Global Address Book Pounds Database

The behavior of the PC client and Global Address book searching has changed to avoid system resource impact. When attempting to perform a global address book search from the PC client, no search will be attempted until search criteria has been entered.

Domain Name Editing Not Supported

The MCS provisioning module does not support the ability to change the name of an existing root or sub-domain. The provisioning module's web interface and OPI gave the impression that this was supported, however it is not and can cause users to not be able to make calls. This ability has been removed. The recommended way to change a domain name is to create a new domain with the desired name, provision the dialing plan, and then use the "Move Users" functionality to move users from the old domain to the new domain. For more information on how a domain should be created and configured, please refer to the Provisioning Module Basics NTP.

Script mcp_enableMED.pl Potentially Missing

The System Backup & Restore Method of Procedure document version 5 (May 11th 2004) section 4.8.4 states that once the contents of the DB has been restored, you must execute the mcp_enableMED.pl script to indirectly start the MCP components installed on the DB. This script is supposed to be located in the /usr/local/bin directory of the DB server. This script file may be missing from MCS system DB servers. If it is, the file must be manually transferred to the database servers and is required for successful backup and restore. This file is included in the Patches directory in the MED directory.

Note: Once the file is copied over, please ensure that the permissions and ownership of the file are as follows:

```
-r-x--x--x    1 root      other      1421 Jan 28 10:48 mcp_enabled.pl
```

To change ownership if not already root:other, execute the following command while being logged into the account that the file is currently owned. This should be root already.

```
chown root:other mcp_enabled.pl
```

To change the permissions, execute the following command.

```
chmod 755 mcp_enabled.pl
```

Q01058542 - Caller specific routes in PA not working in CD

There is a workaround which allows caller specific routes in the PA to function for Converged Desktop Users. When creating new routes in the Personal Agent GUI involving specific Converged Desktop callers, it is important to fully populate their Contact information in your Personal Address Book Directory. This will enable the Personal Agent Route to be activated when any of the Converged Desktop caller's access devices or aliases listed in your Personal Address Book Directory is used.

Q01036217 - C++ clipboard transfer confusion

The Sharing Control to save received data to the System clipboard has been renamed to "Copy" from "Accept". As per Windows convention, it's possible to select "Copy" again in order to refresh the System clipboard with the received data.

Backup and restore will fail on all v100 and n240 systems prior to this software release. 1400 systems will not exhibit this problem.

International Number (+) Designator Support

Nortel Networks is pleased to advise our customers that starting with this Maintenance Release the MCS has full support for the plus sign ("+") as an international number designator when placed in the first position of a DN or alias.

MCS subscribers already had the ability to store the "+" digit in the Personal Agent and PC Client directories, starting with this software load the leading "+" will now be included in the call request so that it can go

through "+" specific translations.

Call backs in call logs which have the leading "+" will also go through "+" specific translations.

As a result of this feature, it is critical that MCS systems who have users that have stored the leading "+" in their address books ensure that their MCS translations are updated to correctly route the calls. More information on setting MCS Translations may be found in the MCS NTP documentation.

Disable Hyperthreading

Hyperthreading being enabled will affect voice path if traffic exceeds 50% of capacity. Please follow the procedure below to disable hyperthreading.

Disabling Hyperthreading on IBM BladeCenter HS20 Blade Servers

- 0) By default, hyperthreading is enabled in the BIOS. To verify this, open up the Windows Task Manager, and go to the Performance tab. If hyperthreading is indeed enabled, you will see 4 apparent CPUs being tracked for the 2 CPU blade server.
- 1) Restart Windows on the blade server. When the BIOS configuration option is presented, press F1 to enter the system BIOS setup utility.
- 2) From the setup utility's main menu, scroll down to Advanced Setup and press Enter.
- 3) From the Advanced Setup menu, scroll down to CPU Options and press Enter.
- 4) From the CPU Options menu, scroll down to the Hyper-Threading Technology option. Use the left/right arrow keys to toggle the option to Disabled.
- 5) Press the Esc key twice to return to the main menu, then scroll down to Exit Setup and press Enter.
- 6) At the resulting confirmation screen, scroll down to Yes, save and exit the Setup Utility and press Enter. The blade server will then restart automatically.
- 7) After the blade server restarts, log back into Windows and access the Task Manager, once again opening the Performance tab. You should now see only 2 CPUs being tracked, verifying that hyperthreading has been disabled.

Q00952384 - Configuration for CS2K ptime values

Change details:

- All CS2K discriminator files have been reset to strip all ptimes all the time by default (this is what they always used to do).

- All CS2K discrimination have a new value added called USENETWORKPTIMES
- This new value cause the system property Network_Supported_Packetization to be examined
- If this is not present or empty the ptimes will continue to be stripped as before

Upgrade details:

- Prior to applying 3.0.11, note the settings for AUDIOPTIME in the discriminator (check if any specific ptimes are listed, if then there are no specific ptimes listed than there is nothing further to do).
- Upgrade the system
- When you upgrade the appsvr the ServerProperties tab will be highlighted (blue text)
- Click on that tab; you will see a new Label/Value pair also highlighted... if you have at least 4 items already in this tab these will have no values in them
- If you had any ptimes explicitly listed in the discriminator prior to the upgrade enter:
 Label: Network_Supported_Packetization
 Value: <whatever was in your list separated with commas, i.e. 10,20)
- If no ptimes were listed then there is nothing to add.
- Finish the upgrade

If at anytime after the upgrade a ptime needs to be added:

- Lock the appsvr
- Modify the Server Properties tab.
- Add the new property as above (if one value just enter that one value)
- Unlock the appsvr

To complete, delete the property or remove the set defined (set it to null). You will need to restart the appsvr afterwards. This is not a function of the changes, it is a generic function of the mgmt console tab.

CS2K Codec Configuration

NOTICE: Voice path problems involving the CS2K have been experienced when codecs are mismatched in the network.

On the management console select the application server (or each at a time).

- lock the component
- modify the 'Server Properties' tab
- add a new entry:
 Label: sip.3pcc.cs2k
 Value: true

Web Server Security Vulnerability

A security vulnerability has been identified in MCS 3.0 with the Web server. The following steps should be followed to prevent hackers from accessing the provisioning application or obtaining the web server id.

- 1) ssh into the prov/pa server using the nortel account
- 2) cd /opt/iPlanet/servers/docs
- 3) rm index.html
- 4) rm banner.html
- 5) rm launch.html
- 6) ln -s /IMS/web/data/web/webapps/pa/index.html index.html

NOTICE: Server Home value should be populated with NT-IM string in 3.0 loads

Customers who have multiple active application servers with domains homed off these servers should pay attention to this notice as it affects web push and secure instant messaging between domains homed off of different application servers.

In the 3.0 load, in order for the web push and secure instant messaging features to work properly, the server home values at the domain's main page should be populated with the public IP address of the application service serving that domain suffixed by the string ;nt-im=nt-im-2.0

An example server home value is below if your application service is 47.104.21.157:

47.104.21.157;nt-im=nt-im-2.0

No restart of service is required for this change to be effective. If you are experiencing issues with web push and encrypted instant messaging not working properly, this data fill change should be made.

Work around for "CR Q00909641 - hung OEM job" issue

Step 1) Delete the node from the OEM console

login to the OEM console

1) remove the hung job

- the job may be hung at the "deleting" status. If this is true, skip this step and go to the next step

2) delete the node
 open the node folder
 delete the node (PRIMARY DB SERVER NAME)
quit out from the OEM console

Step 2) Restart the SNMP agent

login to the primary DB as root
1) stop the SNMP agent
ORACLE_HOME=/opt/app/oracle/product/9.2.0
export ORACLE_HOME
cd \$ORACLE_HOME/bin
./agentctl stop
2) cleanup the old files
cd \$ORACLE_HOME/network/agent
pwd (ensure you are in the correct directory)
rm *.q
rm services.ora
cd \$ORACLE_HOME/network/agent/jobout
pwd (ensure you are in the correct directory)
rm *
3) start the SNMP agent
cd \$ORACLE_HOME/bin
./agentctl start
4) restart the listener and the OEM server
login to oracle
lsnrctl stop
lsnrctl start listener
oemctl stop oms sysman/sysman2001
oemctl start oms

Step 3) Reschedule the job (which had been hung)

login to the OEM console
1) discover the node
open the node folder
if the primary DB node name is not present:
right click the node folder and select "discover nodes"
then follow the instructions to discover the primary DB
2) set the preferred credential
select "preferences" from the "configuration" menu.
From the popup window, select the "preferred credentials tab"

Then select the primary DB machine name with target type "node"
 Then set the username as "oracle" and enter the oracle password.
 3) reschedule the job

 NOTICE: MAS License Node Lock Functionality - CR.Q00981168

The node lock functionality is provided in the MAS license key to ensure that a license key used on a MAS machine is created with the MAC addresses of the machine that is expected to use the license key. A license key can contain up to 16 MAC addresses. Each MAC address of the target MAS needs to be included in the generation of the license key. The purpose of this is to prevent replication of MAS machines with a generic license key and unauthorized replication of MAS

 NOTICE: French Language help files are now available via for the Java PC client.

Section 7
Running list of closed CR's

(Solved in EMR 3.5.7.3)

Product	Case Id	CR Id	Priority	Title
-----	-----	-----	-----	-----
Solaris OS		Q01511130	3	Solaris Patches for new Day light Saving changes in Australia and US
Solaris OS		Q01477684	3	CAA / MCS 5100 3.5.6 / System won't boot cleanly
MAS OS		Q01477256-02	2	Windows 2000 Patch - Daylight Saving Time changes for USA (beginning in 2007)
RTP Media Portal		Q01466928	2	[MCP3.0] - Daylight Saving Time changes for USA (beginning in 2007)
MAS		Q01534732	2	Nortel/MCS 5100/ 3.5.6/: ESM is unpingable from MM
Release Notes		Q01537724	3	MCS 5100 3.5.7 release notes clarification.
Solaris OS		Q01546318-04	3	MCS/SSL 09: OMs and logs have incorrect timestamps after March 11th for US
System Management Console		Q01546329-03	3	MCS/SSL 09: Alarm times are displayed wrong for dates after March 11th
Accounting Manager		Q01471872	2	Telefonica/MCS5100/Information is no deliver by the Application server
Session Manager		Q01505477	2	TELEFONICA SOLUCIONESMCS 5100 messages flood
Session Manager		Q01448848	3	MCS 3.5 declines an SDP missing the "number of audio channels" parameter

Session Manager Q01466358 3 MOC/AA/Control of the phone while in unavailable/busy will not connect

(Solved in MR 3.0.57)

Product	Case Id	CR Id	Priority	Title
System Manager	060613-70591	Q01391882	2	MCS 3.0.56 : Applications cannot start if more than 20 app. exist on the system
DSM		Q01260233	2	Upgrade - Problem connecting to FileSender
Multimedia PC Client	060414-08738	Q01354326	2	CIVO:MCP91-P2:PCC/PROV:Excessive ClientOPI transactions
Multimedia PC Client	050816-56947	Q01195230	3	CIVO:ISMCS:3.0 - MCS Directory_Edit Groups issue
Multimedia PC Client	051003-07523	Q01244012	3	C2C in Converged mode fails to PSTN numbers in "INBOX"
Session Manager	060727-18937	Q01421821	3	MCS5200#1:3.0.56.1:HKBN: Strange log in AppSvr after upgrade
SIP-H.323 Gateway	051018-23512	Q01234980	2	MCS5100 3.0.19.2: AA H323GK java process has CPU at 90%
Provisioning Manager	060421-15746	Q01361166	2	Q01114239:USPTO / MCS5100 3.0.19 / Trouble Logging In
Session Manager	060522-46977	Q01390300-01	2	TELEFONICA SOLUCIONES/call transfer delay from the MCS
Session Manager	060616-76139	Q01399709	2	Vantis / MCS 5100 3.0.56 / CD2 to CD2 Video Not Working
IP Client Manager		Q01238894	3	No Speechpath to CallPilot from MCS 5100 IPCM set
IP Client Manager	051202-72510	Q01270513	3	CIVO: ISMCS: 3.5 Multiple Login Restrictions
Provisioning Client	060105-99847	Q01287736	4	All the users can be list out using "****" on Prov which create performance issue
Session Manager	050916-90081	Q01291654	3	Swisscom - CD2 - MoH in CD2 calls
Provisioning Manager	060103-97490	Q01304396	3	CIVO:ISMCS:3.0:Gateway Route can not be deleted.
Provisioning Manager	060228-56886	Q01321146-01	3	MCS 5100 advanced screening feature issue while modifying service package
Session Manager		Q01355640	3	SIP: MCS client window not correct when call force answer = 0
Provisioning Manager	"060420-13323, 060718-07957"	Q01359083	3	LDAP sync causes illegal character to be created in username field
Personal Agent	060316-76043	Q01372338	3	P.A Routing to a cell phone with CS1000 tandem with MCS 5100
BPT		Q01284177	3	BPT Throwing Null Pointer Exception while Adding or Modifying converged Desktop
IP Client Manager	051028-35855	Q01249231	3	North western University // MCS 5100 // Device Maintenance question
Provisioning Client	060228-56886	Q01321146	3	Tianjin Water Comm./MCS5100 PA route feature issue
Database	"050519-60744, 060104-98512, 060116-10529, 060213-40288, 060216-44888"	Q01150648-01	2	MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive
System Manager	051109-47868	Q01250841	3	MCS5100 3.0.19.2 system debug functions hang and do not work
Provisioning Client	051115-53229	Q01255104	3	MCS5100rls3.5:Trail:PROVISIONING:GARBAGE CHARACTERS,?,APPEAR (USER NAME) at tomen
Provisioning Client	051115-53236	Q01255107	3	MCS5100rls3.5:Trail:CLIENT: GARBAGE CHARACTERS,?, (PRIMARY ASSISTANT) at tomen
Multimedia WebClient	051215-85517	Q01277432	3	CIVO ISMCS: WEB client - MeetMe Chair options missing
Multimedia WebClient	"060116-10444, 060131-26336"	Q01297350	2	CIVO:ISMCS:3.5 - Web Client Closure results in hung meet me bridge.
Provisioning Client		Q01312005	2	MCS5100 IDLE DISPLAY field mandatory in OPI to ESM
Session Manager		Q01378149	3	MCS5100 AppServer Memory Leak
Core	060602-60377	Q01386350	2	MCS5100 3.0/3.5: AppSvr Full Session Blocking give NO MC Alarms
System Manager		Q01387054	3	SysMgr ignores some DB errors when a license key is being updated
Provisioning Client		Q01311937	3	Not able to delete a trunk group which is named with Special character.
Core		Q01406169	3	MCS3.5 Alteon-based L3 Geo Red client outgoing traffic goes to MCS via Alteon
Session Manager	060726-17689	Q01437127	3	Presence not updated correctly - Telefonica

Session Manager alarm (401)		Q01424717	2	MoH load test: the application server is locked with "congestion"
Provisioning Manager issue	060717-06905	Q01423651	3	TEMPLE UNIVERSITY // MCS5100 3.0.56 / Class of Service info transfer
Multimedia WebClient Provisioning manager	060828-58925	Q01447578	3	MCS5100 3.5.6 / Callpark won't retrieve call in web client
	"060828-59150, 050712-19926, 050927-01194"	Q01172969	2	MCS 5100 3.0: 802.1p/Q markings no longer available
IP Client Manager	060330-91614	Q01345316	3	Problem with Spanish Locale (i2004)
Provisioning Manager		Q01421780	2	LDAP Sync Fails when LDAP users are moved to a sub-domain
BPT	060814-43481	Q01440020	2	CIVO:ISMCS:3.5-Rename User Failed log in "Forbidden" Displayed
MAS Meetme Conference	060510-35509	Q01373600	2	MCS 5100 - Meet me bridge rejecting users
MAS O/S (Windows)		Q01304160	3	IE6.0Sp1 patches broke MAS servers display of Explorer Windows
**MAS		Q01311616	3	Excessive CPU failures from the blades of the BladeCenter

(Solved in MR 3.0.56)

Product	Case Id	CR Id	Priority	Title
Audiocodes	050701-09331,050810-50617	Q01177869	2	MCS3.0-P2-PGWY: HNCTC MCS call PSTN will drop when it occupy offline time slot
Audiocodes Gateway	050615-90881	Q01224420	2	Bearer Channels in unknown state - Audiocodes MG2000
Core		Q01205794	2	3.0.54: Sanity : Move User(s) operation is completed without any authentication
Core		Q01276895	2	MCP 3.0 SM: NullPointerException occurs when using SM to provision the UAS
Core	050224-66997,050523-64538	Q01131646	3	MCS5100 Does not support TON in Calling Number 800 Calls Fail (CDP)
Core	050720-28454	Q01210612	3	MCS 5100 3.0 - how to disable Proxy authentication in bulk
Core		Q01231589	4	Invite requests are sent in wrong order in case of several destinations
Core		Q01233648	4	NullPointerException during a Non CD2 call
core		Q01150648-01	2	MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive
Database	051101-39330,051101-39333	Q01239849	2	Solaris security vulnerability - MCS3.0
Foxconn		Q01097738	5	IAD1001M's PSTN digit map will not take effect after delete first one at flash.
IP Client Manager	051107-44343,051206-75306	Q01252722	2	C&W Plc - London/I2004 Phones unusable due to excessive response times when user
IP Client Manager	051205-73877	Q01271582-01	2	E3: MCS5200: 4.0: 1 of 6 Calls Fail - IPCM1 Server Restarted
MAS Platform		Q01264714	2	Microsoft Security Patch MS05-051 - 3.0
MAS Platform		Q01275864	2	Microsoft security patch MS05-054 - 3.0
MAS Platform		Q01276662	2	MAS: Add BackupRestore source to platform
MAS Platform		Q01285961	2	Microsoft security patch MS06-001 - MCP 3.0
MAS Platform	060315-75212	Q01344539	3	MAS firmware changes for MCS 3.0.56 and 9.0

MAS Platform (Japanese)		Q01013302	3	ASPC-Loc: Some prompts have better translations
MCS 5100 config error		Q01309127	2	Unable to add Prov/Database converged user PAD
MCS 5100 intervention - Memory loss daily	051010-15173	Q01241029	2	MCS5100 3.0.19.2: AppServer failover with no
MCS 5100 APP1	050510-49921,051202-72166	Q01134671	3	CIVO:ISMCS: APP SERVER SWITCHOVER BETWEEN APP4 &
MCS 5100 +@nortelnetworks.com correctly		Q01112245	3	SIP GW does not translate Phone context
Mediatrix Call Leg Involved 486 Busy Here		Q00912613	3	MCP-3.0-P3-Sanity: Web Consult XFER Fails w/ FXS
Meet Me Conference can't hear chinese announcement	050916-89541	Q01231807	2	CTCHN 3.0.20 When PSTN participant join Meet Me
Multimedia PC Client on Inter-domain IM Chat	050503-42150	Q01131653	2	3.0.18.2 - User Unknown following Password Change
Multimedia PC Client TOS bit	050915-88514	Q01220704	2	Beta MCS5100 3.5/ISMCS/Clients on W2K not setting
Multimedia PC Client book.	051101-39346	Q01245525-01	2	Beta MCS5100 3.5 - ISMCS -Note field in the address
Multimedia PC Client on MCS.	050822-62766	Q01252744	2	MCS5200 : Missed calls - Notify flag not cancelling
Multimedia PC Client		Q01256967	2	HKBN Phase 2 Mute does not stop video
Multimedia PC Client package	051114-52451	Q01266444	2	Call Park available while it is not the service
Multimedia PC Client selecting 'Make Call' does nothing		Q01269218	2	HKBN P2: Right-clicking the sys tray icon and
Multimedia PC Client Q01249018		Q01293845	2	3.5 Additions to the committed solution for
Multimedia PC Client	060209-37999	Q01319566	2	PCclient Crashes when call forwards to voicemail
Multimedia PC Client Characters	031128-67465,050615-90052,	Q00820905	3	MCS 5100 - "Make Call to" Does Not Strip Unwanted
	050922-96245			
Multimedia PC Client	040405-06507	Q00894251-01	3	CWIDCVO:MCS5200 2.0: PC can not control i200x
Multimedia PC Client during CD2 calls		Q00956415	3	MCP 3.0FF P3: Intermittent crashing of SMC client
Multimedia PC Client	050707-15054	Q01186517	3	PC Client : connection speed changing during a call
Multimedia PC Client		Q01224168	3	Window management - action buttons - user offline.
Multimedia PC Client duplicate sentences		Q01260391	3	MCP-90FF-P3-PCC: Nortel Information.rtf file has
Multimedia PC Client (BANNED WATCHER) at tomen	051102-39717	Q01245711-01	3	MCS5100rls3.5: Trial: CLIENT: IMPROPER JAPANESE
Multimedia PC Client delete dialing prefixes		Q01294871	3	PC Client should allow users to add, edit and
Multimedia PC Client		Q01051717	4	MCP3.0 Logging code needs optimization
Multimedia PC Client retrieve Web Push transactions		Q01274516	4	PC Client API expose the ability to send and auto-

Personal Agent identification addresses	040705-10427	Q01021922	3	MCS3.0: PA: Spelling & message on deleting Auto
RTP Media Portal		Q01255591	2	Remove compiler from RTP portal SAM-16 - 3.0
RTP Media Portal come up in HKBN site	051025-32027	Q01256200	2	RTP 3.0.3 Patch doesn't let blades enough time to
SIP-H.323 Gateway CLI feature		Q01290380	2	MCS 3.0-H323 to SIP mapping implementation for dual
SIP-H.323 Gateway and H323	060109-02882	Q01322257	2	Call forward functionaly not working between SIP
Session Manager works when RCoS applied)	050902-75666	Q01207321	2	MCS-3.0.20.1-APS-P3 (Blind transfer function still
Session Manager another PSTN user	050704-11069	Q01216438	2	MCS5200: Rel3 - No CLID if PSTN user is REFERed to
Session Manager	051020-25990	Q01239758	2	MSC Strange presence mismatch reporting
Session Manager scenario	051025-31660	Q01241393	2	WRN/GVT/MCS2.0.18 : Multiple user registration
Session Manager and inability to register	051027-34735	Q01247562-01	2	[Prop 3.0] MCS 4.0 SESM1 intermittent call failure
Session Manager Calls	051102-40884	Q01246396-02	2	[Prop3.0]CIVO:MCS9.0:SESM IOCF Filling Up with Hung
Session Manager Proxy	051118-58056	Q01261299	2	Seednet:3.0.20: Bye message bypass intermediate SIP
Session Manager	051121-60183,060116-09827	Q01265661	2	Incorrect presence status
Session Manager		Q01267138-02	2	[prop 3.0]MCS9.0 Hung contexts on simring
Session Manager VM server have diff Appserv		Q01275421	2	3.0.55 VoiceMail call button doesn't work if users'
Session Manager retreive will drop the call	060105-99162	Q01284168	2	HKBN MCS#1 3.0.55 - some mcs line call hold and
Session Manager software upgrade	060109-03602	Q01286349	2	BC:MCS5200:3.0.55: PSTN Test Calls failing after
Session Manager not work if MOH is enabled	060106-00886	Q01294188	2	HKBN MCS#1 3.0.54.1 - 3WC across 2 appservs does
Session Manager charge id for private routes	060320-78861	Q01338726	2	MCS 5200:click to call/direct transfer use public
Session Manager call	051208-77660	Q01317393	2	MCS#1 3.0.54.1 - One way voice of MCS conference
Session Manager Dropped After Redirect to Boss		Q01322789	2	MCP09FF-Sys Bckwd-P2-SesMgr: NGSS Origination
Session Manager failover does not work.	060123-17261,060313-72372	Q01329061	2	MCS db Server - Simulate active failure and
Session Manager between MCP Systems		Q00952285-01	3	MCP 3.0 P3: MoH/H323 Interop Problem when calling
Session Manager making call from MCS user	050606-79295	Q01174094	3	E911 route prefix digits appear on display when
Solaris Platform		Q01265902	2	Java security vulnerability #102003
Solaris Platform Time in Australia	060323-83050	Q01337987	1	ISN07: OPTUS: MCS5200:Change of Daylight Saving

System Management GUI appsrv performance issues	051028-35919,051028-35939, 050509-47937	Q01244274	3	MCS 3.0.20 Active transaction increase resulting in
Unified Communications the active sessions window	050126-33594,050425-33649, 050530-71904,050630-08255	Q01254696	2	MCS3.0.18; UC MAS Blade Center has old session in
Vegastream failed transfer		Q00934827	2	MCP3.0 Gateway - unable to retrieve call after

(Solved in MR 3.0.55)

Product	CR Id	Priority	Title
Accounting Manager	Q01228229	2	MCS5200:3.0.20:HiNet_TW:IPDR file couldn't be rotated when the condition met
Audiocodes	Q01177869	2	MCS3.0-P2-PGWY: HNCTC MCS call PSTN will drop when it occupy offline time slot
Audiocodes	Q01201308	2	MCS5200: Fax over VoIP issues since Upgrade to 3.0.20.1 across audiocodes m2k
Audiocodes	Q01204911	2	CIVO:ISMCS 3.0 - Loss of Redundant Ethernet Link on Audicodes does not alarm MCP
Audiocodes	Q01209294	2	MCS 5200 : One Connect Complaints of Echo across Audiocodes
Audiocodes	Q01227331	2	CWIDC MCP3.0: M2k does not send PRACK.
Core	Q00950769-01	2	BETA RLS 4 Converged Desktop : Set has CLS = CDMV , call that FNA to VM gives
Core	Q01103489	2	PCC call to VM receives callback to PA route
Core	Q01139094	2	ISMCS PCC unable to enter EMSAlpha bridge DTMF digit passcode
Core	Q01172969	2	MCS 5100 3.0: 802.1p/Q markings no longer available
Core	Q01203037	2	Not able to answer the call or 8 sec delay in speech path when PCC answers.
Core	Q01205794	2	3.0.54: Sanity : Move User(s) operation is completed without any authentication
Core	Q01224701	2	CD2 - Music on Hold Injected To CD2 Calls
Core	Q01120513	3	MCS 3.0 : Hurricane termination completion rate is below 98%.
Core	Q01131646	3	MCS5100 Does not support TON in Calling Number 800 Calls Fail (CDP)
Core	Q01143882	3	MCS5100:Trials:CLIENT:GARBAGE CHARACTERS 6 (the conference screen) at tomen
Core	Q01209068	3	CIVO:ISMCS:3.0 - List Voice Mail Servers from Prov Server takes a long time.
Core	Q01210612	3	MCS 5100 3.0 - how to disable Proxy authentication in bulk
Core	Q01214741	3	Beta MCS5100 3.5/ISMCS/Full Session Blocking on Upgrade
Core	Q01150648	4	MCS5100 3.0.18: Backup of Solaris on V100 Fails to external tape drive
Core	Q01183314	4	indicator lamp is lit when voicemail box is unavailable
Core	Q01231589	4	Invite requests are sent in wrong order in case of several destinations
IP Client Manager	Q01166005	2	MCS 3.0.20_b780:CTC GZ: HighBandwidth i2004 call CRBT UPT(MGCP IAD, PSTN) failed
IP Client Manager	Q01226358-01	3	CIVO:MCS 4.0.4: Boss/Admin -> Admin shows wrong icon for Boss with dnd or cfw
MAS Platform	Q01138956	3	MCP3.0FF-P3-FEAT:MAS behave differently when audio file cannot be accessed
MAS Web Collaboration	Q01027128	3	WebCollab share stops working after disconnecting user
Meet Me Conference	Q01231807	2	CTCHN 3.0.20 When PSTN participant join Meet Me can't hear chinese announcement
Multimedia Client Set	Q01233827	3	Simplified Skin - New Incoming Message Not Clearly Identified
Multimedia PC Client	Q01067196	2	MCP-30FF-P2-PCC: Audio calls non-functional on Win98
Multimedia PC Client	Q01089708	2	CIVO:ISMCS:3.0 - 3.0.351 PC Client unable to complete or receive calls.
Multimedia PC Client	Q01098272	2	CIVO:ISMCS:3.0 - SMC Runtime Error
Multimedia PC Client	Q01089708-01	2	CIVO:ISMCS:3.5 - PC Client unable to complete or receive calls.
Multimedia PC Client	Q01174893	2	GNPS: MCS5200 3.0/ Digest token in WWW/Proxy-Authenticate header case sensitive

Multimedia PC Client	Q01177057	2	MCS-3.0.19-PCC-P3 (Call window caller image cannot display correctly)
Multimedia PC Client	Q01166854-01	2	IPNETT Natoil - Voice quality after upgrade to rel 3.0.18
Multimedia PC Client	Q01180983	2	MCS-3.0.20-PCC-P3 :stop camera button will unmute the video call of other party
Multimedia PC Client	Q01185656	2	MCS-3.0.20-PCC: Hold/unhold bring video call fail and fail to initiate image
Multimedia PC Client	Q01192919	2	PCCClient : Can not retrieve parked call while on active call already
Multimedia PC Client	Q01206235	2	3.0 TDK: mssing ASU.xml and pcclient.jnlp in installer skins
Multimedia PC Client	Q01209360	2	3.0 TDK: Creating installer for zh results in installation error
Multimedia PC Client	Q01214221	2	CIVO:MCS4.0: 3.0 PC Client Crashes when Originating Calls and IMs with McAfee On
Multimedia PC Client	Q01222784	2	MCS-3.0.21-PCC-P3: Click personal agent function will cause PCC to crash
Multimedia PC Client	Q01235510	2	VoIP: MCS5200: Telewest: Message waiting indicator not lighting up in some cases
Multimedia PC Client	Q01234573-01	2	3.0 i2004 can not display corresponding language while in PCC set mode
Multimedia PC Client	Q00820905	3	MCS 5100 - "Make Call to" Does Not Strip Unwanted Characters
Multimedia PC Client	Q00860440	3	Change localized string for SIP Response Code 413
Multimedia PC Client	Q01098897-01	3	CS1K SS require header with SIPVC could conflict with 3rd party's similar usage.
Multimedia PC Client	Q01157085	3	Shaw:MCS5200,3.0.19.1,request re-build C++ Client 3.0.416 with new Shaw skin
Multimedia PC Client	Q01164572	3	CI: Installation options for Tradition and Simplified Chinese are reversed
Multimedia PC Client	Q01179373	3	IM Error if User SIP Address Contains Uppercase Letters
Multimedia PC Client	Q01187777	3	Simplified PCC - bad label "PHONE_TITLE" after installation
Multimedia PC Client	Q01191716	3	MCS-3.0.20-PCC:accept/reject button shift down one row during file transfer
Multimedia PC Client	Q01201294	3	Friend Online - Remove friend
Multimedia PC Client	Q01207765	3	TDK 3.0 Correct string in the installer project options for the default build
Multimedia PC Client	Q01221723	3	Propagate the Natoil GIPS fix in the 09 code stream
Multimedia PC Client	Q01224168	3	Window management - action buttons - user offline.
Multimedia PC Client	Q01199272-01	3	3.0 TDK Crashes on new theme with long subfolder
Multimedia PC Client	Q01228567	3	PC Client: Bad text in CallPark Retrieval UI
Multimedia Web Client	Q01154902	2	F92AZ5: MCS 5200: MCS 3: Web client error message
Multimedia Web Client	Q00860453	4	Change localized string for SIP Response Code 413
Other	Q01097738	5	IAD1001M's PSTN digit map will not take effect after delete first one at flash.
PCC Theme Developer Kit	Q01154803-01	2	MCS09-P3 Theme Designer's "About" window does not display loadbuild information
Personal Agent	Q01177572	2	MCS5200:3.0.17.2: PA Call Log (NCL)'s outbox not populated in unconverged mode
Personal Agent	Q01192613	2	MCS5200:3.0.17.2: CDII PA Call Log (NCL) Issues
Provisioning Client	Q01171355	2	Location-based services (RTP and Ad-hoc) server selection rules not followed
Provisioning Client	Q01018398-01	2	CIVO MCS30:Prov Location French Quebec comes out as Qu?bec
Provisioning Client	Q01205839	2	3.0_P2_Sanity LDAP server is not queried on the day provisioned
Provisioning Manager	Q01230388	2	MCS3.0-P2:BPT Doers Not Check For % in Pooled Entity Weight
Provisioning Manager	Q01199122	3	MCS5200 3.0 Provisioning via OPI failed
RTP Media Portal	Q01175382-02	2	MP9.0 stuck in "disconnected" state after ethernet router 8606 power cycle
RTP Media Portal	Q01214924	2	MCS3.0.19; RTP log in error
RTP Media Portal	Q01183180-01	2	CIVO MCP4.0:No voice path to TT Meetme Conf bridge
SIP-H.323 Gateway	Q01108173	2	CIVO:ISMCS 3.0 - Call Transfer will not go to voicemail
SIP-H.323 Gateway	Q01184821	2	CIVO:MCS3.0: Nortel Gatekeeper release redirect call
SIP-H.323 Gateway	Q01215304	2	CIVO:MCS3.0: Nortel GK does not interpret alerting message with optional field
Session Manager	Q01177139	2	MCP09-Sys Bckwd Comp-P2- Treatment: Redirect Issues Between MCS3.0 and MCS09
Session Manager	Q01182419	2	CIVO:MCS4.1:User Gets Unknown Presence for Friend While Others Can View OK
Session Manager	Q01186992-02	2	Deadlock between remove/audit of CacheMap
Session Manager	Q01189669-02	2	Portal Insertion Hanging resources for hashmap on Session Manager
Session Manager	Q01207548	2	MCS 5200 3.0.54: CD2 C2C SIP w/ Sequential PA Route & CS2K local Treatment

Session Manager	Q01216438	2	MCS5200: Rel3 - No CLID if PSTN user is REFERed to another PSTN user
Session Manager	Q01221033-01	2	[prop 3.0] CIVO:MCS 4.0.4: CDII c2c calls to other CDII users drop
Session Manager	Q01221159-02	2	[prop 3.0]MCS09-P2-SVE:CD2 Presence State not consistent when closing CCwindow
Session Manager	Q01226563	2	MCP09-Sys Bckwd Comp-P2-Session Mgr: Blind Transfer Failure - maddr not removed
Session Manager	Q01226791	2	MCS5200 3.0.54 Build 815 - Basic Consult Xfer Failed
Session Manager	Q01228150	2	MCS 5200/F98N73/Ventelo/Oslo/P-Asserted-Identity modified
Session Manager	Q01229253-01	2	CIVO:MCS 4.0.4: Boss Admin - Held calls appear on Boss's i2004 when in DND mode
Session Manager	Q01241393	2	WRN/GVT/MCS2.0.18 : Multiple user registration scenario
Session Manager	Q00949926-01	3	MCP-3.0-P3-User homed on App2 retrieving a call parked on App1 fails (CLONE)
Session Manager	Q01109908	3	MCP 3.0 - 404 error when user tries to use same call window after a call park
Session Manager	Q01181513-02	3	MCP09-CRBT-P3-Session Mgr: CRBT Stops Playing for Redirect to Mediatrix FXO
Session Manager	Q00860457	4	Change localized string for SIP Response Code 413
System Management GUI	Q01086393	2	CIVO:MCP3.0-P2:AudioCodes:Fail to load from mgmt console
Unified Communications	Q01196818	2	MCS5200: UM - Auto Identification Not working
Unified Communications	Q01243111	2	French UM Access Number
Vegastream	Q01128454	2	MCS:Caller ID Blocking when calling PSTN Fails for Grandstream IADs
Vegastream	Q01237354	2	MCP09-Sys Bckwd Comp-P2-SVE:Transfer Involving Vega Fails
Web Client Manager	Q01173724	3	MCS5200 3.0 Web client button visible on PA

(Solved in MR 3.0.54)

Product	CR Id	Priority	Title
Ad Hoc Conference	Q01155989	2	Lab MCS5200 MCP3.0.16:Conference call was failed
Audiocodes	Q01171720	2	MCS 5200: Rel 3.0.19: M2k Does not forward privacy indicator when number not avl
Database	Q01192708	2	MCS 5200: 3.0.20.1: Cannot call user with SIP alias
Database Server	Q01162835	3	MCP 09 P3- Database : crbt upgrade error
IP Client Manager	Q01166005	2	MCS 3.0.20_b780:CTC GZ: HighBandwidth i2004 call CRBT UPT(MGCP IAD, PSTN) failed
IP Client Manager	Q01183229-02	2	MCS 9.0 - IPCM - TT - Device is dead on auto-park race condition
IP Client Manager	Q01192290-02	2	MCS 03 - Assitant on IPCM does not update its list of monitored users
IP Client Manager	Q01153933	3	MCS 5200: Duplicate records in outgoing box on i2004
IP Client Manager	Q01133860-01	3	MCS 4.0 Prop: One Connect: MCS: DTMF is not recognized by the voicemail server
MAS Platform	Q01117102	2	MCP3.0FF-P2-FEAT: CRBT is not heard when Invite message contains T38 Fax infor
MAS Platform	Q01131399	2	Meetme Server Not Processing Second Call
MAS Platform	Q01031382	3	MCP-30-P3: MAS responds with 480 to Invite from Polycom VSX
MAS Platform	Q01046230	3	ASPC-Loc: Wrong Expressions in Email Notification in UC (Spanish)
MAS Platform	Q01052092	3	ASPC-Loc: Chairperson conference control menu miss some prompts (Korean)
MAS Platform	Q01120667	3	MCP-3.0FF-P3-FEAT: Rebooting DataSourceServer causes meida files lost on MAS
MAS Platform	Q01128633	3	MCP 3.0 Traffic P3: G729 Traffic Rate Low due to missing directorys under crbt
MAS Platform	Q01138956	3	MCP3.0FF-P3-FEAT:MAS behave differently when audio file cannot be accessed
MAS Platform	Q01166477	3	MAS Platform: Remove unsupported fr_ca locale from app installer
MAS Platform	Q01198086	3	MCS-3.0-P3:MAS hung sessions
MAS Platform	Q01122687	4	MCS3.0FF-P4-FEAT: MAS synchronized to data source server takes too long time
Meet Me Conference	Q01128073	2	MCS5200_3.0.15:CNC_JN: There have some uncomfortable noise in MAS server
Meet Me Conference	Q01192624-01	3	gain defect in MeetMe
Multimedia PC Client	Q01166854-01	2	IPNETT Natoil - Voice quality after upgrade to rel 3.0.18
Multimedia PC Client	Q01098272	2	CIVO:ISMCS:3.0 - SMC Runtime Error
Multimedia PC Client	Q01209360	2	3.0 TDK: Creating installer for zh results in installation error

Multimedia PC Client	Q01206232	2	Enhanced TDK command line parameter default load does not default correctly
Multimedia PC Client	Q01206233	2	3.0 TDK: mssing ASU.xml and pcclient.jnlp in installer skins
Multimedia PC Client	Q01055933	2	MCP-30FF-P2-PCC: Continual attempt to re-subscribe to banned buddy
Multimedia PC Client	Q01090939	2	CIVO:ISMCS:3.0 - PC Client Volume Controls are not working with USB Headset.
Multimedia PC Client	Q01108163	2	MCS-3.0-C++PCC: garbage character (issue5 upgrade request pop up window)
Multimedia PC Client	Q01108191	2	MCS-3.0-C++PCC: garbage character (issue4 profile manager) on Japanese version
Multimedia PC Client	Q01108175	2	MCS-3.0-C++PCC:garbage characters(issue2 USB headset adapter) on Japanese ver.
Multimedia PC Client	Q01108180	2	MCS-3.0-C++PCC: garbage character (issue3 tooltip) on Japanese ver.
Multimedia PC Client	Q01121269	2	MCS3.0: CNC SH: PC Client/S5000 H263 video call drop
Multimedia PC Client	Q01134858	2	MCS5200: 3.0.18 MeetMe bridge initial part of control announcements are clipped
Multimedia PC Client	Q01139335	2	MCP-30FF-P2-PCC: ASU upgrade corrupts a sane PCC installation
Multimedia PC Client	Q01122187-01	2	MCS3.0.15-PCC: Caller display and specific ring tone can't be run simultaneously
Multimedia PC Client	Q01149469	2	MCS5200: TDK Phase2: Loss of customisation following Automatic Software Update
Multimedia PC Client	Q01153956	2	MCP-30-P2-PCC: 700KB/sec memory leak during muted H.263 video
Multimedia PC Client	Q01134858-01	2	MCS5200: 3.0.18 MeetMe bridge initial part of control announcements are clipped
Multimedia PC Client	Q01165441	2	MOC: Call duration is not updated for the outgoing calls
Multimedia PC Client	Q01166398	2	MCP 3.5: Cannot receive files
Multimedia PC Client	Q01166468	2	MCP 3.5 - Client crashes when trying to set directory contacts as friends
Multimedia PC Client	Q01159948-01	2	CIVO MCP3.0:PC Client Crashed after web-push and terminate call
Multimedia PC Client	Q01174579	2	MCP 3.5 - Deleting the selected item then can cause a crash in the SkinXtdTree
Multimedia PC Client	Q01174893	2	GNPS: MCS5200 3.0/ Digest token in WWW/Proxy-Authenticate header case sensitive
Multimedia PC Client	Q01177057	2	MCS-3.0.19-PCC-P3 (Call window caller image cannot display correctly)
Multimedia PC Client	Q01177723	2	MCS-3.0.20-PCC-P3 : GUI screen failure after change the skin color
Multimedia PC Client	Q01179483	2	MCS-3.0.19-PCC-P3 MCS PCC Residual lines left over on screen after width change
Multimedia PC Client	Q01180983	2	MCS-3.0.20-PCC-P3 :stop camera button will unmute the video call of other party
Multimedia PC Client	Q01181767	2	MCS-3.0.20-PCC:Mute button doesn't work when other party hold the call
Multimedia PC Client	Q01183731	2	MCS-3.0.20- PCC-P3 MCS PCC: File transfer status discrepancy
Multimedia PC Client	Q01185667	2	MCS-3.0.20.1-Portal-P3 (Video image showing lately in PCC)
Multimedia PC Client	Q01185656	2	MCS-3.0.20-PCC: Hold/unhold bring video call fail and fail to initiate image
Multimedia PC Client	Q01185973	2	MCS-3.0.20.1-PCC: Button lost functionality when change the skin color
Multimedia PC Client	Q01186308	2	MCP 3.5: Opening call logs results in skin error message
Multimedia PC Client	Q01187573	2	Succession MCS5200 Transfer Clipboard not working when language = Spanish
Multimedia PC Client	Q01187694	2	MCS-3.0.20-PCC-P3 : Preview window disappear
Multimedia PC Client	Q01157075-01	2	3.0 PROP - CIVO MCP 4.0: PCC unable to retrieve service package
Multimedia PC Client	Q01195611	2	Simplified skin not seen in 3.5 PCC after ASU from 3.0
Multimedia PC Client	Q01200304-01	2	TDK 3.0 Crashes when Screen tab is modified
Multimedia PC Client	Q01206235	2	3.0 TDK: mssing ASU.xml and pcclient.jnlp in installer skins
Multimedia PC Client	Q01143871	3	MCS5100:Trial:CLIENT: GARBAGE CHARACTERS 1(Theme Designer Kit) at tomen
Multimedia PC Client	Q00907064	3	MCP-30FF-PCC: C++ client needs to adjust video size based on media reception
Multimedia PC Client	Q00998738	3	MCP 3.0 P3 : C++ Client does not ignore INVITES with MCDN components.
Multimedia PC Client	Q01024088	3	MCP-30FF-P3-PCC: SMC does not re-cache nonce on 407 response on un-Subscribe
Multimedia PC Client	Q01030520	3	MCP-30FF-P3-PCC: Intelligent selection of Annexes, Bitrate, and FrameSize
Multimedia PC Client	Q01069962-01	3	MCP9.0-P3-SANITY:PCclient fails to complete messaging to the callpark service
Multimedia PC Client	Q01107856	3	MCP3.0 - Call Logs sorting is sorting by day/month/year
Multimedia PC Client	Q01109961	3	MCP 3.0 - Insession window keeps popping up when auto web push is set.
Multimedia PC Client	Q01110320	3	MCP 3.0 - Add Mic Gain Control to Audio section of Preferences
Multimedia PC Client	Q01120989	3	MCP 3.0 - Cannot add groups in Windows 98

Multimedia PC Client	Q01132059	3	MCP 3.0 Cannot reset the product code without resetting other codes
Multimedia PC Client	Q01132048	3	MCP 3.0 TDK installer does not produce desktop icon
Multimedia PC Client	Q01139574	3	PC Client: SC M4 (May 09 2005) : No desktop icon when freshly installed
Multimedia PC Client	Q01098897-01	3	CS1K SS require header with SIPVC could conflict with 3rd party's similar usage.
Multimedia PC Client	Q01155961	3	TDK: Include user guide PDF file
Multimedia PC Client	Q01157821	3	MOC: Wrong call sub menu from Incoming and Outgoing folders
Multimedia PC Client	Q01159269	3	MOC spawns an additional toolbar instance navigating from email to email
Multimedia PC Client	Q01159578	3	MOC does not support USB headset
Multimedia PC Client	Q01164430	3	MOC: Localize the strings for the MOC dialogs
Multimedia PC Client	Q01164679	3	MCP3.0 - PCC crashes if it can't find theme
Multimedia PC Client	Q01166377	3	MCP 3.5: Cannot log in after several attempts of applying new presence note
Multimedia PC Client	Q01166366	3	MCP 3.5: New presence note does not apply properly
Multimedia PC Client	Q01170799	3	MCS5200 3.0 Nortel icon on video screens
Multimedia PC Client	Q01172265	3	MCS5200 3.0.19 : PC Client's update : special characters in pop up windows
Multimedia PC Client	Q01174555-01	3	MCP3.0 - ASU creates empty jars without manifest file
Multimedia PC Client	Q01177132	3	MCP 3.5 Wrong startup sound
Multimedia PC Client	Q01190504	3	Call controls grayed out when skin is changed to standard
Multimedia PC Client	Q01191023	3	RAIDer.ini flag needed to enable/disable IM encryption
Multimedia PC Client	Q01027722-01	3	MCP3.0-P3-Regr:Can't receive reject reason from IM broadcast
Multimedia PC Client	Q01083241	4	MCP3.0 Installer should only prompt for reboot under certain conditions listed
Multimedia PC Client	Q01110698	4	New rebranding-related functionality
Multimedia PC Client	Q01152512-01	4	SMC 3.0 Prop: ISMConverter hangs often in loadbuild
Multimedia Web Client	Q01154902	2	F92AZ5: MCS 5200: MCS 3: Web client error message
Multimedia Web Client	Q01176843	2	MCS 3.0 Seednet: WCM JRE Object not found during Installer
Multimedia Web Client	Q01154902	2	F92AZ5: MCS 5200: MCS 3: Web client error message
Multimedia Web Client	Q00777494-03	4	Prop to 3.0 - 2.0 Web push permits Co-browsing when NOT on active call.
Personal Agent	Q01177572	2	MCS5200:3.0.17.2: PA Call Log (NCL)'s outbox not populated in unconverged mode
PCC Theme Developer Kit	Q01154803-01	2	MCS09-P3 Theme Designer's "About" window does not display loadbuild information
Provisioning Client	Q01157697	2	MCS3.0.18: OneConnect -Deleting an ERL generates a Major Alarm
Provisioning Client	Q01171355	2	Location-based services (RTP and Ad-hoc) server selection rules not followed
Provisioning Client	Q01018398-01	2	CIVO MCS30:Prov Location French Quebec comes out as Qu?bec
Provisioning Client	Q01177489	2	Provisioning Client lists incorrectly subdomain user's location in parent domain
Provisioning Client	Q01205839	2	3.0_P2_Sanity LDAP server is not queried on the day provisioned
Provisioning Client	Q01153708	3	BPT tool error: java.lang.UnsupportedOperationException
Provisioning Client	Q01157201-01	4	MCP 3.0: JavaScript Error in Timezone Details Page in Prov. Client
Provisioning Manager	Q00923002	4	MCP 3.0-P4-BPT Meetme Prem Conf Parm should not be part of Meetme Conf Data
RTP Media Portal	Q01059757	2	MCS 3.0.11.3 - RTP - "Out of Service" lit on all Cooling units
SIP Application Server	Q01156571	2	MCS3.0 - P2 - HKBN 500K passive subscriber support
SIP Messaging Framework	Q01108301	2	MCP3.0-SESM-P2:Appsvr taking down call b/w CS2K trunk and Vegastream after 1 min
SIP-H.323 Gateway	Q01170774	2	CIVO:MCS3.0: Server internal error during a call forward between SIP and H323
SIP-H.323 Gateway	Q01180566	2	CIVO:MCS3.0: Calling Party number is not transmitted by Nortel GK in the setup
SIP-H.323 Gateway	Q01117976-01	3	MCP 3.0 P3 SANITY - H.323-H.323 call has no audible ringback, but OK otherwise
Session Manager	Q01142339	1	CIVO:ISMCS:3.0: 503 Response from CS2K will not cause an Overflow
Session Manager	Q01207321	2	MCS-3.0.20.1-APS-P3 (Blind transfer function still works when RCoS applied)
Session Manager	Q01207548	2	MCS 5200 3.0.54: CD2 C2C SIP w/ Sequential PA Route & CS2K local Treatment
Session Manager	Q00872781	2	ContainerFull Exception While Running Registrations
Session Manager	Q01034040	2	CIVO:SN07:PT-IP Bell iTech CDII C2C Failures to PSTN LOCAL / ISDNLCL Treatments

Session Manager	Q01073525-01	2	[Prop3.0]MCP3.0-P3:cCS2K (SN08) ISUP Call to Sec/Boss - Direct Transfer Fails
Session Manager	Q01120966	2	E3:MCS5200:Rel3.0.17:MTRLQP42GT0:App Server 0 stopped processing calls.
Session Manager	Q01127526	2	MCS 3.0.15 HKBN App Server 1 Overload and failover to App Server 3 on 25 April
Session Manager	Q01131318	2	MCS 3.0.15 HKBN App Server 1 was in Full GC and failed over to appsvr 3
Session Manager	Q01143187	2	CIVO:MCS3.0:App Server Generates Exception When Trying to Route to UC Voicemail
Session Manager	Q01149019	2	Bell West Converged Mode Issue
Session Manager	Q01151442	2	GNPS: MCS 5200 3.0/Boss/Secretary feature - blind transfer to boss
Session Manager	Q01153842	2	MCS3.0.19; Transfer of a call to a PSTN # that is forward to a CDII user fails
Session Manager	Q01155551	2	MCS5200:3.0.17.2: Anonymous PSTN calls to Meet-Me drop
Session Manager	Q01163388	2	MCS3.0.19; CDII call to user and rolls to voice mail gets dead air
Session Manager	Q01169736	2	VoIP: MCS5200: Ventelo: Changing subdomain of User removes the user from IMDB
Session Manager	Q01171168-01	2	MCP09-P3-A00011388-3.0 branding not playing on 9.0 orig
Session Manager	Q01177139	2	MCP09-Sys Bckwd Comp-P2- Treatment: Redirect Issues Between MCS3.0 and MCS09
Session Manager	Q01180108	2	MCS3.0 Appsvr send paid with public chgid regardless of private/public route
Session Manager	Q01182419	2	CIVO:MCS4.1:User Gets Unknown Presence for Friend While Others Can View OK
Session Manager	Q01183134	2	CIVO:SN08:PT-IP Bell iTech Incorrect Fwd Information on Calls from MCS to VM
Session Manager	Q01184696	2	MCP-3.0-P2-HKBN: Session Manager throws exception and error 500 with registers
Session Manager	Q01184693	2	MCP-3.0-P2-HKBN: Overload triggered during registration - overload not cleared
Session Manager	Q01185031	2	MCP-09-P2-Regr: 3.0 Client Presence not updated in 9.0 Client correctly
Session Manager	Q01185443	2	MCP-3.0-P2-HKBN: Unbounded searches cause sustained high db load
Session Manager	Q01186166	2	MCS5200: CDII Click to Call Failures to CS2K PSTN LOCAL / ISDNLCL Treatments
Session Manager	Q01198427	2	MCS5200: Presence wrong on MCS / missing parameter!
Session Manager	Q00944757	3	3.0 FEAT:Rejection of XFR of Parked Call
Session Manager	Q01003628	3	CIVO MCS30:RTP Media Portal Not used for MAS Unified Comm Foreign Domain calls
Session Manager	Q01106286	3	MCS3.0:UAS PRI gw send BYE to App PublicIP (12.30) instead of PrivateIP (12.119)
Session Manager	Q01107401	3	MCP3.0 Not getting "s4:Available" NOTIFY unless reporting activity and OTP
Session Manager	Q01074845-01	3	[prop3.0]-reg-P3: subdomain user not routed to specified number after trmt
Session Manager	Q01157510-01	3	MCS3.0-P3-Registered contact expiry not updated on presence state change
Session Manager	Q01174094	3	E911 route prefix digits appear on display when making call from MCS user
Session Manager	Q01161440-01	3	CPL Proxy Node incorrect advance
Session Manager	Q01163051-01	3	CRBT: Click 2 Call with CS2K and forking MCS SIP end points
Sipura	Q01114982	2	MCS5200: CLID missing on tandem MCS call
Sipura	Q01128262	3	Cannot join Sipura user into conference
Unified Communications	Q01196818	2	MCS5200: UM - Auto Identification Not working
Unified Communications	Q01106048	2	MCS 5200: Rel 3.0.15.1: MAS UComm default behavior modifcn causes strange behav
Unified Communications	Q01132687	2	MCS3.0.16; UC MAS servers have IVR Media Processor errors
Unified Communications	Q01148802	2	MCS5200-3.0.17-MAS-P2 : JTIDC: AR236: can not hear Japanese voice prompts
Vegastream	Q01039294	3	MCS 3.0 PRTC VO: VEGA not providing CALLID when IC PRI trunk has screen=USER
i2004 Internet Telephone	Q01148753	2	DTMF Tone recognition from Phase II Phones
i2004 Internet Telephone	Q01212665	2	i200x French strings incorrectly displayed

(Solved in MR 3.0.20)

Product	CR Id	Priority	Title
Accounting Manager	Q01081524	2	-
Ambit	Q01122682	3	1001M_V3.2.0: reset to default by phone should only apply to User level features

Ambit	Q00948506	4	LG001S-CS2000-interop-P4:Ambit BCT IAD,IAD release and its BYE MSG no answer
Audiocodes	Q00861256	2	MCP3.0 P2:FTR341:CAS/PRI Support on AudioCodes Gateway
Audiocodes	Q01130843	2	MCS 5200 3.0 - Transfer to Voicemail from PSTN fail if username is longer than 9
Audiocodes	Q01132826-02	2	MCP3.0-P2-SANITY-AudioCodes 4.4 does NOT include CDPN in the SETUP msg
Audiocodes	Q01146358	2	Receiving Invalid DTMF from PRI (Audiocodes)
Audiocodes	Q00866925	3	MCS3.0Build273-ipDialog-No negotiation about DTMF
Audiocodes	Q00795507	4	MCS-3.0-P4-CAS GW: VM Box Remains in Use For Calls Terminated During Compose
Audiocodes	Q01019265	4	MCS5100 RAMP team, Audiocodes can't enable Overlap Dialling From ISDN
BCM	Q00906885	2	MCP 3.0 Techtrial P2: BCM call with orig/term as unaliased user causes 404 NF
BCM	Q00971326	3	MCS 3.0 P3 Sanity: MCS blind transfer of BCM to BCM fails
CS2000	Q01068184-01	2	CS2KSN08-FTR419-P2-NGSS: CS2K sending 2833 DTMF rtp packets w/ wrong payload
CS2000	Q01089088-01	2	MCS4.0 Prop MCS3.0: SaskTel: PA routes with IM treatment do not work if.
CS2000	Q01140818	2	MCP-3.0FF-P2-FEAT:CS2Kc IAD to MCS call simRing\SeqRing IAD phones failed.
CS2000	Q01104690	3	MCP3.0_P3:busy signal is translated to 487 message in MCS improperly
Consumer Multimedia PC Client	Q01116864	3	MCS-3.0.-C++PCC:Hung-up after changing the theme of interface on Japanese ver.
Core	Q01108028	1	Machine logical will not come up on App Server
Core	Q01129995	1	Can't download MCS address book to MMC on Blackberry7810
Core	Q01066554	2	Provisioning Client Alarm MCP 801
Core	Q01097459	2	CIVO:ISMCS:3.0: Changing Service Package wipes out Meet-me information in DB
Core	Q01145444	2	Voice mail notifications doesn't work on MMC
Core	Q01086027	3	Clients gets:Proxy not responding
Core	Q01122916	3	MCS 5100 3.0 - University of Michigan i200x phantom ringing
Core	Q01130801	3	Authentication failure log messages appears on WiCM when MMC connecting to WiCM
Core	Q01140528	3	View in Call Log menu doesn't have the full SIP URL information for the entry
Database	Q01121111	1	CIVO:MCS5200:Telefonica: Can't add users due to license issues
Database	Q01122345	2	MCS-3.0.15-DBSvr-P3 (Improper logout subscribers stay in Database Records)
IM CHAT	Q01087065	2	MCS5200:IM Chat not working on MCS5200.
IP Client Manager	Q01133860	2	One Connect: MCS: DTMF is not recognized by the voicemail server
IP Client Manager	Q01112079	3	MCP 3.0 I200x not allow to enter more than 26 input digits on off-hook dialing
IP Client Manager	Q00927034	4	MCP-3.0-P4-IPCM: Unable to Answer Call on i200x in Client Set Mode
Leadtek	Q01126981	1	S5000: COMA when static IP network settings error
Leadtek	Q01113678	2	MCS3.0.15:CNC_JN:S5000 could not be called after some hours
Leadtek client	Q00912606	3	MCP3.0-P3-SANITY: no ringing(pinging noise) after branding when call mcs
Leadtek	Q00939519	3	S5000:S5000 in PPPoE mode, register in nnims.com, crash in idle state
Leadtek	Q01113624	3	MCS5200_2.0.18:CNC_JN: S5000 behind ADSL modem couldn't obtain ip by dhcp.
Leadtek	Q01151696	3	MCS3.0.15:P2-PSRV:CHT S5000 Videophone Transfer with abbreviated number
MAS	Q01091162	2	Application sharing is getting stopped,if any application is moved out ofscreen
MAS	Q01107342	2	TDM set cannot leave voice message with UC user
MAS	Q01109644	2	CIVO:ISMCS:3.0: Web Collab - Web Push URL not working for Participants
MAS	Q01119081	2	Pressing "#" from CS1k user causes Unified Messaging calls to drop
MAS	Q01097633	3	Web Collaboration Engineering Guidelines Required For External WAC Sessions
MAS	Q01108707	3	Auto ID data for UC user cannot be less than 7 digits
MAS	Q01110582	3	CIVO: ISMCS 3.0: Web collab participants not visible to chair
MAS	Q01111453	3	Unified Messaging Call Sender fails when originating from PRI trunk
MAS	Q01119056	3	Custom Route fails with Converged Desktop and C2C

MAS CS1k	Q01123624	3	Unified Message receives wrong calling information with blind transfer from
MAS Platform	Q01117102	2	MCP3.0FF-P2-FEAT: CRBT is not heard when Invite message contains T38 Fax infor
MAS Platform	Q01030998	3	Web Collab IM corrupt with Foreign Domain and Call Park or Transfer
MAS Platform	Q01046201	3	ASPC-Loc: wrong prompt in NonChair audio control menu(Spanish).
MAS Platform	Q01046213	3	ASPC-Loc: Wrong prompt when conference mute(Spanish)
MAS Platform	Q01046204	3	ASPC-Loc: some files about 'number' not exist(Spanish)
MAS Platform	Q01046230	3	ASPC-Loc: Wrong Expressions in Email Notification in UC (Spanish)
MAS Platform	Q01076478	3	CIVO:ISMCS:3.0 - User Access code invalid for Meet Me Bridge.
MAS Platform	Q01031382-01	3	MCP-30-P3: MAS responds with 480 to Invite from Polycom VSX
MAS Platform	Q01120711	3	MCP-3.0FF-P3-FEAT: DataSourceServer cannot startup due to double quotation marks
MAS Platform	Q01117102-01	3	MCP4.0FF-P3-FEAT: CRBT is not heard when Invite message contains T38 Fax infor
MAS Platform	Q01130645	3	CIVO:ISMCS:3.0 - Brampton MAS-Bladel Crash
MAS Platform	Q01143297	3	MAS-3.0-P3. Timing window in Conference delete can cause ConfMP crash
MAS Platform	Q01143297-01	3	MAS-3.0-P3. Timing window in Conference delete can cause ConfMP crash
MAS Platform	Q01143297-02	3	MAS-3.0-P3. Timing window in Conference delete can cause ConfMP crash
MAS Platform	Q01148774	3	MAS3.0-P3: Platform InstallShield update for LargeSystemCache and svc quotes
MAS Web Collaboration	Q01090902	2	CIVO: ISMCS:3.0: Web Collab -- MAS DNS entry problem
MAS Web Collaboration	Q01138459	3	Participant cannot join the session in their own alias inidicated locale
MCS 5100	Q01133542	1	Oracle Database Unable to Start After Power Failure
MCS 5100	Q01136809	1	Mordor : SIP phone floods network with ICMP messages
MCS 5100	Q00987295	2	MCP 3.0 P2 : MCS to Succession H323 GK-GK stops after a period of time
MCS 5100	Q01042185	2	MCS5100 2.0:AA: H323GK java process has CPU at 98%
MCS 5100	Q01069725	2	CIVO:ISMCS:3.0 WEB SERVER 2 Unable to retrieve service Package
MCS 5100	Q01088875	2	CIVO:ISMCS:3.0 Security Breech Audio Codes User and Passwrod Shd be Encrypted
MCS 5100	Q01094733	2	MCS 5100 3.0 - Missing MAS platform software
MCS 5100	Q01106266	2	ISMCS Require:H323vc gets passed out Audiocodes gateway causing phantom ringing
MCS 5100	Q01107190	2	CIVO: ISMCS:3.0: Web Collab Sessions Failing to Start
MCS 5100	Q01112134	2	CIVO:ISMCS:3.0: Web Collab URL being Pushed to Chair is Bad
MCS 5100	Q00987295-01	2	PROP CR for CR Q00987295 to merge changes to 9.0/4.0
MCS 5100	Q01116894	2	CIVO:ISMCS 3.0.18 DB utilization High and updating addr book flashing on userPCC
MCS 5100	Q01119508	2	MCS2.0 to 3.0 Upgrade MeetMe User details lost during upgrade of system
MCS 5100	Q01122944	2	MCS 5100 3.0 - University of Michigan 1 Way Speech Path After Transfer
MCS 5100	Q01124712	2	CIVO: ISMCS:3.0 PCA is not working with new client.
MCS 5100	Q01127235	2	Meetme Server Not Processing Calls at Live Site
MCS 5100	Q01128485	2	Mordor : Long calls Lock-Up SIP Phone
MCS 5100	Q01128511	2	Mordor : SIP Phone does not Send 180 Ringing.
MCS 5100	Q01128563	2	Mordor : DTMF Info is not functional on SIP Phone
MCS 5100	Q01132062	2	CD2 - Outbound CD2 mode calls failing (unable to dial PAD)
MCS 5100	Q01138533	2	PA route to PSTN across CS1000's fail
MCS 5100	Q01143493	2	CIVO:ISMCS:3.0_MCS Alternate Route not attempted.
MCS 5100	Q01143877	2	MCS5100:Trial:CLIENT: GARBEGE CHARACTERS 4(software update screen) at tomen
MCS 5100	Q01143961	2	MCS5100 3.0: Loss of ROOT psswd caused filesystem corruption
MCS 5100	Q01147254	2	mcs 5100 - calls are not being routed correctly-all passcodes are stated incorre

MCS 5100	Q01016265	3	V000065 - Revised H.323 Test Suite
MCS 5100	Q01019255	3	MCS 5100 3.0 - Oracle listener alarm on primary database
MCS 5100	Q01070710	3	CIVO:ISMCS:3.0 CD2 CD2 TO CD2 CALL
MCS 5100	Q01078249	3	CIVO:ISMCS:3.0 - MOP to add new APP Servers on ISMCS
MCS 5100	Q01080035	3	CIVO:ISMCS:3.0 CDII Status Indicator
MCS 5100	Q01093406	3	CIVO:ISMCS:3.0 Apps server failover
MCS 5100	Q01093535	3	CIVO:ISMCS:3.0 - i2004 unable to log into CP VM
MCS 5100	Q01097127	3	Mediatrix fax issue
MCS 5100	Q01098219	3	MCS 5100 3.0 - Memory threshold alarm in mgmt console
MCS 5100	Q01114239	3	MCS 5100 - 3.0 - Trial - 944 Alarm on the SMC
MCS 5100	Q01122748	3	Global Address Book is Working Differently than Personal Address Book
MCS 5100	Q01128509	3	Mordor : Time and date does not appear in INBOX/OUTBOX
MCS 5100	Q01128587	3	mordor : Reject reasons added from the SIP phone do not survive reboot
MCS 5100	Q01128596	3	mordor : programmed softkeys like speeddial do not survive reboot
MCS 5100	Q01128585	3	mordor : Call subjects added from the SIP phone do not survive reboot
MCS 5100	Q01130324	3	MCP_3.0.18_build372 - PC Client Autoupdate Files Required
MCS 5100	Q01134710	3	MCS 3.0 UM - gateway timers on Audiocodes question
MCS 5100	Q01137061	3	Prov Server Debug Logs Turned On By Default
MCS 5100	Q01141367	3	CIVO:ISMCS 3.0 - Prov Server Debug Logs - turned off?
MCS 5100	Q01081125	4	MCS 5100 3.0 - BPT tool not working
MCS 5100	Q01114950	4	CIVO:ISMCS:3.0 i200X time update following spring time change
MCS 5100	Q01128570	4	mordor : config->reset function does not work
Meet Me Conference	Q01128073	2	MCS5200_3.0.15:CNC_JN: There have some uncomfortable noise in MAS server
Meet Me Conference	Q01051742	3	No command text provided to the web client chair person
Meet Me Conference	Q01105178-01	3	Receive buffers lost in ConfMP
Meet Me Conference	Q01109022	3	MCP-3.0-P3 MAS unable to join Operator when chair is 2k NGSS call over ISUP/PRI
Meet Me Conference	Q01109570	3	Back propagate Flow Spec updates
Multimedia Client Set	Q00925177-02	2	MCP09-PCCset - Token not displayed on i200x in PCCset mode
Multimedia PC Client	Q00939121-01	2	MCP-4.1.P4 C++ Client missing mouse over window for contact ring tones.
Multimedia PC Client	Q01089708	2	CIVO:ISMCS:3.0 - 3.0.351 PC Client unable to complete or receive calls.
Multimedia PC Client	Q01090939	2	CIVO:ISMCS:3.0 - PC Client Volume Controls are not working with USB Headset.
Multimedia PC Client	Q01107822	2	MCS3.0.15:SHCNC:MMPCC C++ 3.0: Service Package download failures
Multimedia PC Client	Q01108163	2	MCS-3.0-C++PCC: garbage character (issue5 upgrade request pop up window)
Multimedia PC Client	Q01108191	2	MCS-3.0-C++PCC: garbage character (issue4 profile manager) on Japanese version
Multimedia PC Client	Q01108175	2	MCS-3.0-C++PCC:garbage characters(issue2 USB headset adapter) on Japanese ver.
Multimedia PC Client	Q01108180	2	MCS-3.0-C++PCC: garbage character (issue3 tooltip) on Japanese ver.
Multimedia PC Client	Q01109872	2	E3:MCS5200:3.0.15.100:System in overload.
Multimedia PC Client	Q01116030	2	MCS3.0 PCC fail to retrieve parked CS2K call
Multimedia PC Client	Q01121269	2	MCS3.0: CNC SH: PC Client/S5000 H263 video call drop
Multimedia PC Client simultaneously	Q01122187	2	MCS3.0.15-PCC: Caller display and specific ring tone can't be run
Multimedia PC Client long	Q01128134	2	Apps Long Call service will only release abandoned SIP call if client is no
Multimedia PC Client	Q01129655	2	PC Client Instabililty over VPN Conection
Multimedia PC Client	Q01135833	2	MCS3.0.19; CDII does not work through the MicroSoft ISA product
Multimedia PC Client	Q01139335	2	MCP-30FF-P2-PCC: ASU upgrade corrupts a sane PCC installation

Multimedia PC Client simultaneously	Q01122187-01	2	MCS3.0.15-PCC: Caller display and specific ring tone can't be run
Multimedia PC Client	Q01147351	2	MCS 3.0: Bell Custom PC Client needs packet time default change
Multimedia PC Client	Q01135833-01	2	MCS41 Prop: CDII does not work through the MicroSoft ISA product
Multimedia PC Client	Q00792064	3	MCP3.0:P3-PCC: Subscribes not being throttled.
Multimedia PC Client	Q00859077	3	MCS3.0Build257-MCS clients change the codec after hold/retrieve
Multimedia PC Client	Q00887906-01	3	MCP3.0-P3-Feat: PC Client does not support caps in domain name
Multimedia PC Client	Q01007472	3	MCP3.0-SMC-P3: SMC not cancelling call for CS2K Simring scenario
Multimedia PC Client screen	Q01032173	3	Activation of Web Collab feature makes Chair's PIN stays on phone display
Multimedia PC Client	Q01046737	3	MCP3.0-P3: New IM window should not grab mouse focus when coming to foreground
Multimedia PC Client	Q01046959	3	MCS3.0-P3: Can't control headset speaker volume with Mobile USB Headset Adapter
Multimedia PC Client	Q01060953	3	MCS3.0:P3:The Echo Cancellation function provided by GIPS needs to default ON
Multimedia PC Client checkbox	Q01061088	3	CIVO: MCS5200 build3.0.15: C++ build 3.0.250: Start Video automatically
Multimedia PC Client	Q01068139	3	MCP-3.0-P3-PCC: Mid-call 488 response does not revert voicepath
Multimedia PC Client	Q01071440	3	CIVO:ims 3.0: Selecting call from inbox on i2004 while on a Client controlled
Multimedia PC Client	Q01074527	3	MCP-30FF-P2-PCC: Begin call from IM Conversation non-functional
Multimedia PC Client	Q01090458	3	CIVO:MCS3.16.100:Allstream Lab:Logout User Contacts Funtionality Bugs
Multimedia PC Client passwd	Q01009968-01	3	MCP-3.0-P2-REGR:presence status incorrect after trying to logout w/ wrong
Multimedia PC Client	Q01094342	3	MCP 4.0: Client still in video mode even after hang up
Multimedia PC Client	Q01097264	3	MCP3.0-P3:FTR397:PCC Window Hangs When CS2k Call Parked by PhaseII i200x Rtrved
Multimedia PC Client	Q01100606	3	MCP-90-P3-PCC: Logs should not contain IM bodies
Multimedia PC Client	Q01105287	3	TDK Set Default Theme Button
Multimedia PC Client	Q01083241-01	3	MCP4.0 Installer should only prompt for reboot under certain conditions listed
Multimedia PC Client	Q01110320	3	MCP 3.0 - Add Mic Gain Control to Audio section of Preferences
Multimedia PC Client	Q01110698	3	New rebranding-related functionality
Multimedia PC Client	Q01111522	3	SMC30: dock panel icon is of low quality
Multimedia PC Client	Q01113022	3	Remove transport=UDP parm in the ACK
Multimedia PC Client	Q01116563	3	MCP3.0 Phone is taking too long to take over when the PC Client is suspended
Multimedia PC Client	Q01119327	3	GNPS : MCS5200 3.0.18.2 : Clipboard Sharing - Excel loses cell formatting data
Multimedia PC Client	Q01119310	3	Resubscribe using retry-after header
Multimedia PC Client	Q01120989	3	MCP 3.0 - Cannot add groups in Windows 98
Multimedia PC Client	Q01126407	3	SMC 3.0: API enum type refresh
Multimedia PC Client	Q01129129	3	MCP09: Reply 481 to INFO messages outside of call transaction
Multimedia PC Client	Q01120989-01	3	MCP 9.0 - Cannot add groups in Windows 98
Multimedia PC Client	Q01148943	3	GNPS: MCS5200 3.0/Closing call window on Client is not disconnecting call.
Multimedia PC Client	Q00819806	4	MCP3.0-P4-Regr:Need Prompt when "delete" is meaningless in PAB
Multimedia PC Client	Q00856292	4	MCP-3.0-P4: ASU Needs Upgrade Strategy for Migration to 3.1 Client
Multimedia PC Client	Q00856296	4	MCP-3.0-P4: ASU Needs Upgrade Strategy for Migration to 3.1 PC Client
Multimedia PC Client	Q00945574	4	CIVO:MCS 3.0:C++ Client has inconsistancies with copy/paste-windows compliancy
Multimedia PC Client	Q00985506	4	SMC30: no re-register when firewall PING detects public IP addr/port change,
Multimedia PC Client	Q01050144	4	IM font issue on PCC
Multimedia PC Client	Q01123071	4	MCP3.0 - Preferen.dat not read by PC Client
Multimedia Web Client	Q01097964	3	MCS09: Web client download over SSL/TLS link
Multimedia Web Client	Q01124145	3	MCP3.0-SN08-P3-Web Client: Web Client to CS2K VRDN - Can't Take off Hold

Multimedia Web Client	Q01152266	3	CIVO:MCS3.0.16.100:Logout Contacts issued but WebClient user can still send IM
Multimedia Web Client	Q00912518	4	CIVO:MCS5200 3.0:Web Client confusion on Import Contacts and Add to Directory
Multimedia Web Client msgs	Q00936331	4	MCP 3.0 P4:Chat msgs via web do not distinguish private and public outgoing
Music on Hold	Q01066074	2	MCS 3.0: 3rd Party Call Control Race condition on Blind Transfer with MOH
Other	Q01136019	1	USB adaptor fail to make outgoing PSTN call intermittently
Other	Q00865821	2	MCS3.0Build257-ipDialog-3 ptime for each codec is included in SDP
Other	Q01096841	2	Msg displayed by S5000 doesn't accord with requirement when register fail.
Other	Q01096838	2	S5000 doesn't seize PSTN port while VoIP port is in using
Other	Q01122576	2	S5000 fail to join conference if set DSCP>0
Other	Q01123457	2	S5000 handle total number length for VoIP wrong.
Other	Q01123431	2	S5000 reply 180 instead of 486 to Invite Msg while inside PSTN call
Other	Q01132483	2	USB adaptor runtime error if offhook when 1st call hold and 2nd call incoming
Other	Q01138959	2	S5000: PSTN port is out of use when S5000 is downloading file
Other	Q01096845	3	Succedent Msg displayed by S5000 error if register fail due to Inactive Account.
Other	Q01098660	3	IAD1001M treats VoIP port as ready before PPPoE IP address has obtained
Other	Q01102007	3	IAD1001M enters COMA mode after register fail inside call.
Other	Q01107515	3	S5000 will not auto reboot and time not increase if no NTP server is provided.
Other	Q01122558	3	S5000: It is inconvenience for user to input star key (need press four times)
Other	Q01122565	3	S5000: Per call number block/unblock feature can't invoke.
Other	Q01122579	3	S5000 sets TOS value in IP head wrong.
Other	Q01132473	3	USB adaptor runtime error if # key is included in DTMF
Other	Q01132474	3	USB adaptor error once outgoing call be answered after try many times1
Other	Q01122559	4	S5000: Return 603 instead of 486 when busy.
Other	Q01123429	4	S5000 doesn't record PSTN outgoing call in Outbox.
Other	Q01123441	4	S5000 return 180 before deny it if receive Invite while playing dial tone.
Other	Q01128669	4	S5000 ARP with former IP after being configured with different IP/subnet
Other	Q01096844	5	Msg displayed by S5000 in SPChinese error if no WAN connect or fail to obtain
IP			
Other	Q01122573	5	S5000 display "transfer/new call" if press feature key during transfer process
Personal Agent	Q01122262	2	MCS user that is forwarded to MCS user with VM does not go to VM
Personal Agent Voice	Q01139282-01	2	[Prop 3.0] CIVO:MCS4.0:CRBT Ring Tones Can Not Be Assigned to a Route with
Personal Agent	Q01142763	3	CIVO MCS30:TT PCC set PA i200x client Logout data incorrect
Personal Agent	Q01148212	3	MCP-3.0-P3-PA: Exposing methods via OPI for PA customization
Personal Agent	Q01139604	4	GNPS : MCS5200 3.0.18.2 : Password prompts a-z chars as special
Provisioning Client	Q01018398	2	CIVO MCS30:Prov Location French Quebec comes out as Qu?bec
Provisioning Client	Q01111528	2	MCS 5200: Rel 3.0.15.1 Prov: Change to Service Package has no Effect on users
Provisioning Client	Q01118492	2	MCS 3.0.19: Prov client -- subdomain admin cannot modify user info
Provisioning Client	Q01124504	2	CIVO:ISMCS:3.0: Unable to access Meetme info in the Prov Client on IPCM 1
Provisioning Client	Q01118492-01	2	MCS 3.0.19: Prov client -- subdomain admin cannot modify user info
Provisioning Client	Q01018405	3	CIVO MCS 3.0: Prov error message incomplete and vague for Server Home config
Provisioning Client	Q01022250	3	MCS3.0 Can't delete trk gateway
Provisioning Client	Q01023462	3	CIVO:MCS3.0:build3.0.12:SaskTel:Able to delete services assigned to service pkg
Provisioning Client	Q01069793	3	MCS3.0.15; Cannot search for more than 15 aliases in domain
Provisioning Client	Q01076367	3	CIVO:MCS3.0.16_build583:BPT User Operations, Duplicate menu entries
Provisioning Client	Q01134473	3	MCS5200 3.0.16: List Aliases functions in Prov Client are not working correctly

Provisioning Client	Q01076367-02	3	[Prop 9.0] CIVO:MCS3.0.16_build583:BPT User Operations, Duplicate menu entries
Provisioning Client	Q01076367-01	3	[Prop 4.0] CIVO:MCS3.0.16_build583:BPT User Operations, Duplicate menu entries
Provisioning Client	Q00839300	4	MCP-3.0-P4-Prov Client: Translation Tool Does Not Work with BPT
Provisioning Client	Q00955698	4	MCS-3.0-P4-LG001S-3.0v1.4: PROV: Can't customize svc pkg for subdomain user
Provisioning Client	Q00992076	4	CIVO:ISMCS:3.0 - Ability to view and modify PA routes on behalf of user
Provisioning Client	Q01120742	4	MCP-3.0-P4: Duplicated menu items in BPT client
Provisioning Manager	Q01113308	2	Security Issues with Customer Administrator Functionality
Provisioning Manager	Q01118504	2	MCS 3.0.16: OPI cannot bulk delete subdomain users
Provisioning Manager	Q01133180	2	WRN/TLF/MCS3.0.18 Telephony route table space limit -slow response
Provisioning Manager	Q00923224	3	MCS3.0 Build 325 Invalid Characters in User Name result blocks PSTN call
Provisioning Manager	Q01077032	3	MCS-3.0-P3-Prov: Translation tool broken (potential cache problem)
Provisioning Manager	Q01087505	3	MCP 3.0: P3: User search query for clients:
Provisioning Manager	Q01101081	3	CIVO:MCS3.0:Prov OPI Interface Is Open to Security Breaches
Provisioning Manager	Q01124180	3	9.0 Granular SvcPkg: individual collab option not always shown in svcpkg mod
Provisioning Manager	Q01125147	3	MCP-3.0FF-P3-FEAT: setRingTonesForCallDest throws out exception.
Provisioning Manager	Q01101081-03	3	CIVO:MCS3.0:Prov OPI Interface Is Open to Security Breaches
Provisioning Manager	Q00870903	4	MCS3.0Build280-ipDialog-Max length of user name
Provisioning Manager	Q01087566	4	MCP-3.0FF-P4-FEAT: Help information for CRBT OPIs in BPT is wrong.
Provisioning Manager	Q01106429	4	MCP-3.0FF-P4-FEAT: Sanity BPT failed and java.lang.NullPointerException
RTP Media Portal	Q01065245	2	MCS:3.0.17 CTXTMgr Context Error
RTP Media Portal	Q01099658	2	MCS3.0:RTP: Documentation errors for RTP MP restore process
RTP Media Portal	Q01099789	2	CIVO MCS3.0:Media Portal Insertion Rules not followed correctly
RTP Media Portal	Q01100658	2	CS2000/UK/currently upgrading the RTP Portal EM from version 2
RTP Media Portal	Q01113143	2	Carrier VoIP/Comm. Servers/Thus/F98J43/RTP Manager can't manage Element
RTP Media Portal	Q01104833-02	2	MCS5200 9.0: Post 2.0 to 3.0 upgrade no speech when forwarded to i2004 user's
VM			
RTP Media Portal	Q01104833-01	2	MCS5200 4.0:Post 2.0 to 3.0 upgrade no speech when forwarded to i2004 user's VM
RTP Media Portal	Q01120047	2	NTS: Problem upgrading the RTP Media Portal
RTP Media Portal	Q01125605	2	Carrier VoIP/CS 2k-C/Viatel/'IP-Phone' calls don't work after NAT is configured
RTP Media Portal	Q01147606	2	CIVO:MCS5200 3.0:CRBT fails when PSTN caller calls CRBT user
RTP Media Portal	Q01099810	3	MCS-2.0.13-APS/RTTP-P2: Question about QoS DSCP on MCS5200 C&WIDC
RTP Media Portal	Q01100874	3	ISN07 - AMS sends a few packets direct to end users - the uses the RTP portal
RTP Media Portal	Q01099114-01	3	RTPO: SN08: Media Portal blades wont boot after a DOR
RTP Media Portal	Q01126515	3	CIVO: SN07 PT-IP:RTP logs componenet ID needs refined
RTP Media Portal	Q01063439-02	4	MCP-3.0-P4: (PROP) RTP Media Portal may use max configured port + 1 for RTCP
SIP Audio Server	Q01099895	2	CIVO:MCS3.0:build3.0.12: SaskTel:No voice path on Conf call when PSTN is joined
SIP Messaging Framework	Q01120172	3	MCS 3.0: Issue with Notify and MWI with 3rd party client
SIP Multimedia PC Client	Q00611320	4	IMS File Transfer Manager Improvement: Receive Folder Presentation
SIP PRI Gateway	Q01081878	2	MCS3.0.15; Have problems adding trunk group to the PRI Gateway
SIP-H.323 Gateway	Q01108173	2	CIVO:ISMCS 3.0 - Call Transfer will not go to voicemail
SIP-H.323 Gateway	Q01110422	2	MCP3.0-H323-P2-FTR397: CS2K NGSS calls to H323 fail 488 x-nt-hold-state-missing
SIP-H.323 Gateway	Q01117973-01	2	[Prop3.0]MCP 9.0 P2 SANITY - H.323 to i2004 call on hold drops when retrieved
SIP-H.323 Gateway	Q01117976-01	3	MCP 3.0 P3 SANITY - H.323-H.323 call has no audible ringback, but OK otherwise
SIP-H.323 Gateway	Q00828479-01	4	MCP-3.0-P4-TRAFFIC:H323:TCP Client Socket Write Error,240 GK during traffic
Session Manager	Q01142339	1	CIVO:ISMCS:3.0: 503 Response from CS2K will not cause an Overflow
Session Manager	Q00768626	2	MCP 4.1-P3-SM: Enhancement - Use timer to control sending back early 180
Session Manager	Q00912480	2	MCP-4.1-P2: IM SIP to SIP capacity target for Rel 3.0 with cold cache (V100)

Session Manager	Q00924414	2	Unanswered SIP/interworking calls terminating to MCS not taken down properly
Session Manager	Q00989590	2	MCP4.1 - Prop 3.0FF FTR390 - GW behind NAT to 4.1
Session Manager	Q01035024	2	CWIDC MCP3.0: Remote-party-id from M2k is not override
Session Manager response	Q00839296-03	2	MCP4.0-P2:AppSvr not place the aggregating multi challenges into single
Session Manager	Q01090355	2	MCP-3.0FF-P2-FEAT:Session mgr does not reroute if MAS IP is invalid
Session Manager	Q01090893	2	MCP3.0-CS2K-P2-NGSS: Appsvr sending nodename instead of ip addr for via header
Session Manager	Q01092910-02	2	[Prop 9.0] MCS3.0.18 Sanity. TC IMS50425 Fails.
Session Manager	Q01054592-02	2	[Prop 9.0] MCS 3.0: CD user with cs2k pad c2c to cs2k lost location for portal
Session Manager	Q01102826	2	MCP-3.0FF-P2-FEAT: No CRBT for subsequent simRing legs if 1st simRing legs busy
Session Manager	Q01034040-02	2	CIVO:SN07:PT-IP Bell iTech CDII C2C Failures to PSTN LOCAL / ISDNLCL Treatments
Session Manager	Q01059662-01	2	CS2KSN08-FTR419-P2:NGSS Does Not Hold Call - Request Pending msg sent to AppSvr
Session Manager	Q01070472-01	2	MCS3.0-SESM-FTR397-P2: Cseq headers are not as expected from CS2K
Session Manager routes	Q01109989	2	MCP3.0-FTR397-P2-AppSvr:Appsvr not properly translating recursive private
Session Manager	Q01114934	2	IMS-3.0FF-P2-FEAT:E911 PSAP operator calling back activates user's CRBT service.
Session Manager doms	Q01096706-01	2	CIVO:MCS 5200 3.0:MTS:i2004 Vmail key not working for TRK based VM in other
Session Manager	Q01115464	2	MCS3.0.18: Control Window not popped/updated in CD to SIP Xfer to CD scenario
Session Manager doms	Q01096706-02	2	CIVO:MCS 5200 9.0:MTS:i2004 Vmail key not working for TRK based VM in other
Session Manager	Q01120188	2	CDII with MOH Call Hold Failures
Session Manager	Q01120966	2	E3:MCS5200:Rel3.0.17:MTRLPO42GT0:App Server 0 stopped processing calls.
Session Manager	Q01125136	2	MCP-3.0FF-P2-FEAT: CS2Kc IAD to MCS and CPLed to CS2Kc IAD call fails.
Session Manager	Q01125407-01	2	MCP-09-P2-SANITY: Interdomain direct transfer fails
Session Manager	Q01127526	2	MCS 3.0.15 HKBN App Server 1 Overload and failover to App Server 3 on 25 April
Session Manager	Q01129192-02	2	MCS09-P2-Deadlock in IMDB when audit occurs simultaneously with app action.
Session Manager	Q01131318	2	MCS 3.0.15 HKBN App Server 1 was in Full GC and failed over to appsvr 3
Session Manager	Q01135966	2	MCS 3.0.19: PA Routing not working and the call is released
Session Manager	Q01126332-02	2	MCP3.0-P2-SANITY- MWI does not work on Ambit
Session Manager	Q01122188-01	2	MCP09-P2-SANITY- ambit CAN'T initiate conference call
Session Manager	Q01139364	2	MCS 3.0.19: MTS: CTXTMgr Context Error
Session Manager 3	Q01131318-01	2	[prop 4.0]MCS3.0.15 HKBN App Server 1 was in Full GC and failed over to appsvr
Session Manager	Q01143187	2	CIVO:MCS3.0:App Server Generates Exception When Trying to Route to UC Voicemail
Session Manager	Q01149019	2	Bell West Converged Mode Issue
Session Manager	Q01149793	2	Remove obsoleted license keys
Session Manager	Q01009841-01	2	MCP-09-P2 allow dynamic provision of authorized methods from mngmnt console
Session Manager	Q01151877	2	MCP03-P2-Sanity: Error sending file to boss log onto Web Client
Session Manager	Q00832518	3	MCP-4.1-P3-Session Manager: Registration Not Forced Off for Moved User
Session Manager	Q00950271	3	MCP3.0-Sanity-P3-Session Manager: Calls to Mediatix FXS Fail
Session Manager (deferred)	Q00989548	3	MCP-4.0-P3-BC3043-Treatment-Session Mgr: Treatment Not Played for 415
Session Manager	Q00990018	3	NPNP
Session Manager	Q00999709	3	MCP3.0: Null location in E911 call to gateway
Session Manager	Q00989548-01	3	MCP-9.0 Prop.Treatment-Session Mgr: Treatment Not Played for 415 (deferred)
Session Manager	Q01053952	3	MCP-3.0-P3: Multiple privacy headers in INVITE results in unexpected behavior

Session Manager	Q01101933	3	MCP3.0:P3:FTR397:cCS2K:NGSS ISUP to Sec Xfer to cCS2K ISUP Fails
Session Manager	Q01074233-01	3	MCP3.0:FTR397-P3:CS2k Meetme Participant has no TUI Capabilities When Referred
Session Manager	Q01108764	3	MCP3.0-SESM-P3-FTR397: App svr modifies payload for 2833 negotiation
Session Manager	Q01109908	3	MCP 3.0 - 404 error when user tries to use same call window after a call park
Session Manager	Q01110825-01	3	[Prop 4.0] 3. 0 Sip redirect to cs2k with loopback xlate cause RPI cntr mismat
Session Manager	Q01112343	3	CPL Proxy Timeout incorrect after DND
Session Manager	Q01076474-01	3	MCP3.0-P3-Sanity: Call on Behalf of Boss Fails for Boss Homed on Another AppSrv
Session Manager	Q01114491	3	MCP3.0-P3: Branding is heard when PSAP calls back
Session Manager exception	Q01096709-01	3	[PROP]CIVO:Incorrect Request RUI format in VM server definition causes
Session Manager	Q01123561	3	MCP3.0FF-P3-FEAT: Complex route contains sim ring and seq ring fails
Session Manager	Q00991772	4	MCS3.0-P4: App svr doesn't transfer 200OK after release the callee on hold
Session Manager	Q01019542	4	MCS 5200 3.0.12: Service package values not properly assigned to new users
Session Manager	Q01114915	4	MCP-3.0FF-P4-FEAT: No branding heard when PVG call was blind trnsfered
Session Manager	Q01085035	5	HKBN MCS3.0.15 - Call drop after 8 rings (Cannot view Default.Route Datafill)
Sipura	Q01114982	2	MCS5200: CLID missing on tandem MCS call
Standard Datafill	Q01062113	4	MCP3.0:Datafill:P4: Please Export 3.0 Datafill in Retro Lab
System Management GUI	Q01086393	2	CIVO:MCP3.0-P2:AudioCodes:Fail to load from mgmt console
System Management GUI	Q01118391	2	Unable to retrieve licensekey information
System Management GUI	Q01086393-01	2	CIVO:MCP3.0-P2:AudioCodes:Fail to load from mgmt console
Unified Communications	Q01132687	2	MCS3.0.16; UC MAS servers have IVR Media Processor errors
Unified Communications	Q01033670	3	MCS3.0 - P3 - MAS/IPCM send back a 413 in response to NOTIFY
Vegastream prob	Q01110453	3	MCP3.0-Vegastream-P3-FTR397:Vega to Sip client with branding enabled causes
Web Client Manager	Q01112356	2	MCS3.0.15: UAS ConfServer unable to process INFO signal
Web Client Manager	Q01099252	3	MCP3.0:P3-FTR397-Web Client Cannot Retrieve Call Parked Against General Lot
Web Client Manager	Q01104567	3	CIVO:MCS 5200 3.0.18: Cannot call VM if VM preferences are data filled
Web Client Manager	Q01121141	3	MCS5200:3.0.16: Mandatory 'Contact' field missing in SIP REFER
WebCollab	Q01110409	2	CIVO: ISMCS:3.0: Web Collab App Sharing Crashes During Active Session
WebCollab	Q01128046	2	CIVO: ISMCS:3.0: Web Collab - Web Push URL Does not work for CD2 Participants
WebCollab	Q01093853	3	Java error SUN is occurring with one user,while sharing different applications.
WebCollab	Q01111836	3	Web Collaboration Polling Non-English Character Error
WebCollab participant	Q01117564	3	CIVO: ISMCS:3.0: Web Collab -Participant URL not acceptable external
WebCollab	Q01126029	3	Swisscom - WAC Trial : App Sharing Control
i2004 Internet Telephone	Q01148753	2	DTMF Tone recognition from Phase II Phones
i2004 Internet Telephone	Q01149686	2	Gen II i2004 with FULL DHCP and AUTO VLAN hang for 10 - 15 minutes
i2004 Internet Telephone	Q01090461	3	CIVO:MCS3.16.100:Allstream Lab:Logout User Contacts Funtionality Bugs
i2004 Internet Telephone	Q01065098	4	MCS5100: busy display on i2004 when controlled by PCC
ipDialog	Q00865732	2	MCS3.0Build257-ipdialog-The session manager does not send the INVITE to MAS
ipDialog	Q00865683	2	MCS3.0Build257-ipDialog-no voice path w/ipDialog uses services through the MAS
ipDialog	Q00865726	2	MCS3.0Build257-ipDialog-No Voice for the adhoc conference behind the firewall
ipDialog	Q00859079	3	MCS3.0Build257-ipDialog-Can NOT place a call on hold in the multiple call state
ipDialog	Q00859615	3	MCS3.0Build257-ipDialog-603 is sent back for DND
ipDialog	Q00859689	3	MCS3.0Build257-ipDialog-clear the call before receiving NOTIFY
ipDialog	Q00859693	3	MCS3.0Build257-ipDialog-cannot handle 302 for registration
ipDialog	Q00862776	3	MCS3.0Build257-ipDialog-404, 408 handling for IM

ipDialog	Q00862759	3	MCS3.0Build257-ipDialog-freeze or shows unintelligible characters
ipDialog	Q00862766	3	MCS3.0Build257-ipDialog-the order is reverse for large IM
ipDialog	Q00865718	3	MCS3.0Build257-ipDialog-One way voice between the public and behind the FW
ipDialog	Q00866929	3	MCS3.0Build273-ipDialog-sends 302 many times
ipDialog	Q00867914	3	MCS3.0Build273-ipDialog-INFO DTMF transport after hold/retrieve
ipDialog	Q00868387	3	MCS3.0Build273-ipDialog-Cannot receive a call in the off-hook state
ipDialog	Q00868584	3	MCS3.0Build273-ipDialog-release the call after receiving the collaboration
ipDialog	Q00868684	3	MCS3.0Build273-ipDialog-Does not insert the Max-Forward header
ipDialog	Q00868731	3	MCS3.0Build273-ipDialog-"no answer" is displayed for loop call
ipDialog	Q00869601	3	MCS3.0Build273-ipDialog-cannot handle the replace header in NOTIFY
ipDialog	Q00870795	3	MCS3.0Build273-ipDialog-one way voice path for branding
ipDialog	Q00862750	4	MCS3.0Build257-ipDialog-"no answer" is displayed when ipDialog receives 480.
ipDialog	Q00873807	4	MCS3.0Build280-ipDialog-only 20ms ptime support

(Solved in MR 3.0.19)

Product	CR Id	Priority	Title
Accounting Manager	Q01081524	2	-
Ad Hoc Conference	Q01109743	2	MCS 5200 3.0.15 CNC JN:Ad-Hoc join to MeetMe;all Ad-Hoc user share dtmf tone
Ad Hoc Conference	Q01108826	3	CIVO:ISMCS 3.0 - DTMF tones do not function as expected during ad-hoc conf. call
Ambit	Q01099499	1	IAD 1001M- Modify wan parameter via auto provision will not take effect
Ambit	Q01014400	3	MCS3.0.14-1001M3.0-P3: IAD V3.0.0 doesn't support 301 message
Ambit	Q01075647	3	1001M_V3.1.0_MCS3.0: IAD tftp retries slow down bootup when server not ready
Ambit	Q01075645	3	1001M_V3.1.0_MCS3.0: IAD keeps sending NTP requests when NTP expires >some value
Announcements	Q01093899	2	MCP-3.0FF-P2-FEAT:CRBT replication client failed to synch with data source.
Announcements	Q01093901	2	MCP-3.0FF-P2-FEAT:CRBT replication failed to synch data on mapped driver.
Announcements	Q01092214	4	MCP-3.0FF-P4-FEAT:CRBT replication client wouldn't remove sub-directory.
Audiocodes	Q01079705	2	MCS 5200 Rel 3.0.15.1 MAS needs SIP Accept Language Field (Trunkgroup Issue)
Audiocodes	Q01041763	3	MCP3.0FF-Feat: Voice Path Lost after Calls to Audiocodes Parked/Retrieved
Audiocodes	Q01075107-01	3	CWIDC MCP3.0: The parameter ISDNJAPANNTTTIMERT3JA does not work
CS2000	Q01089088	2	CIVO:MCS5200 build3.0.17.2; SaskTel: PA routes with IM treatment do not work if.
CS2000	Q01092910	2	MCS3.0.18 Sanity. TC IMS50425 Fails.
CS2000	Q01068184-01	2	CS2KSN08-FTR419-P2-NGSS: CS2K sending 2833 DTMF rtp packets w/ wrong payload
CS2K Interworking	Q01094142	3	MCP3.0FF-P3-FEAT:NO sip message is sent to AppSvr when PVG User holds the call
Core	Q01065084	1	CIVO:ISMCS:3.0 - No timeout on Presence when user loses Network connectivity.
Core	Q01090193	2	MCS5100 Rel 3.0.17.2/CPCC/Db Server Failover Tests Fail
Core	Q01095655	2	MCS5100 Rel 3.0.15/CPCC/Web Client User Can Not Login
Core	Q01066955	3	CIVO:ISMCS:3.0 - Presence Issue
Core	Q01068727	3	CIVO:ISMCS:3.0: Does anything need to be added to support ISMCS
Core	Q01087162	3	Accounting Server - IPDR record push
Core	Q01101630	3	CIVO:ISMCS:3.0_Move User Command Causes Service Package to change.
Core	Q01066843-01	3	CIVO:ISMCS:3.0 - ASU fails to copy RAIDerLinkAddIn.dll
Database	Q01007772	3	Seednet: MCS 3.0.12 SUN server security hole
Database	Q01042209	3	Need to Create 3.0 Netas Lab Standard Datafil
IM CHAT	Q01087065	2	MCS5200:IM Chat not working on MCS5200.
IM CHAT	Q00947081	4	MCP3.0-P3-CHAT inconsistencies among clients
IP Client Manager	Q01047345	2	MCS Cannot complete calls from PVG with T.38 Enabled

IP Client Manager	Q01111891	2	MCS5200 3.0.16 Reset of i2004 phones
IP Client Manager	Q00892135	3	UFTP security hole
IP Client Manager	Q01078282	3	CIVO:ISMCS:3.0:digits displayed on i2004 sets
IP Client Manager	Q01103277	3	MCP 3.0 IMs on 200x device do not display quotes correctly
IP Client Manager	Q01112079	3	MCP 3.0 I200x not allow to enter more than 26 input digits on off-hook dialing
IP Client Manager	Q00967732-01	4	MCP-4.0 -P4--IPCM: Propagation of 3.0 fix: Vol adjustment while set is ringing.
MAS	Q01091376	2	Q01091376/MCS5100 Rel 3.0.17.2/ISMCS/Unable to Upgrade MM on BladeCenter
MAS	Q01113025	3	Unified Messaging Custom Destination fails with AudioCodes.
MAS Platform	Q01087556	2	MCP-3.OFF-P2-FEAT:MAS loss CRBT file after restarting the data source server
MAS Platform	Q01087996	2	CIVO:ISMCS:3.0: JVM Crashed on the MAS in RTP
MAS Platform	Q01106556	2	MCS3.0.15:CNC SD:IAD or PSTN DTMF causes One-way voice path in Meetme Conf
MAS Platform	Q01107122	2	MAS SNMP Trap invalid OID and clear SequenceNum
MAS Platform	Q00968115-01	3	ASPC-Loc: percent display in wrong location in Email notification
MAS Platform	Q01031382	3	MCP-30-P3: MAS responds with 480 to Invite from Polycom VSX
MAS Platform	Q01046201	3	ASPC-Loc: wrong prompt in NonChair audio control menu(Spanish).
MAS Platform	Q01052092	3	ASPC-Loc: Chairperson conference control menu miss some prompts (Korean)
MAS Platform	Q01092230	3	MCP-3.OFF-P3-FEAT:CRBT data source server won't start automatically.
MAS Platform	Q01103448	3	SubscriberData Access Denied on XML file size inconsistency
MAS Platform	Q01103448-01	3	SubscriberData Access Denied on XML file size inconsistency
MAS Platform	Q01107474	3	PCMA does not get QOS Socket
MAS Platform	Q01093910	4	MCP-3.OFF-P4-FEAT:CRBT MAS does not support space in file name.
MAS Web Collaboration	Q01071433	2	CIVO:ISMCS:3.0: Web Collab Session Fail to Start - already in active conference
MAS Web Collaboration	Q01079763	2	MCS 5100 / CIVO:ISMCS:3.0: Web Collab - PC CPU 100% - Excel spreadsheet
MAS Web Collaboration	Q01063950	3	WebCollab point and draw fails for embedded pictures in excel
MAS Web Collaboration	Q01073397	3	ODBC SQL Server Driver log for iGateway is full (3604)
MAS Web Collaboration	Q01112198	3	MAS Web Collaboration Security Is Not Implemented or Documented
MAS Web Collaboration	Q01021141	5	Web Collab Administration has inconsistent window naming
MCS 5100	Q01071847	1	CIVO:ISMCS:3.0: H323 GK possibly causing the MAS to drop calls intermittently
MCS 5100	Q01065084-01	1	Prop CR for Q01065084 to merge changes to R4.0/9.0
MCS 5100	Q00987295	2	Q00987295QMCP 3.0 P2 : MCS to Succession H323 GK-GK stops after a period of time
MCS 5100	Q01017636	2	CIVO:ISMCS:3.0: Unable to dial reach Meet Me operator by dialing 00
MCS 5100	Q01085022	2	Ipnett, Call Pilot on MCS, call thru C1000
MCS 5100	Q01088764	2	MCS5100 Rel 3.0.17.2 Build 663/CPCC/DB1 and DB2 Replication Errors
MCS 5100	Q01094450	2	Call over SIP Route to CS1K Call Pilot Error
MCS 5100	Q01097394	2	CS1K MCDN sipvc Message is Should Be Discarded by MCS
MCS 5100	Q01098721	2	Call transfer to logged out SIP client fail
MCS 5100	Q01031973	3	MCS Gatekeeper is not able to route any call.
MCS 5100	Q01031988	3	H323 call is not going through from MCS to Succession system
MCS 5100	Q01042297	3	Micro System - Backup Fails Because of Folder Permissions
MCS 5100	Q01070710	3	CIVO:ISMCS:3.0 CD2 CD2 TO CD2 CALL
MCS 5100	Q01076403	3	3.0.17 update to release notes
MCS 5100	Q01086467	3	MCS5100 3.0: SSL support
MCS 5100	Q01090902-01	3	4.0 Prop of Web Collab -- MAS DNS entry problem
MCS 5100	Q01105963	3	CIVO:ISMCS:3.0: Assistance in setting up the Edge Proxy Svrs into the Mgt Consol
MCS 5100	Q01111314	3	Joining Web Collaboration Session Question
Meet Me Conference	Q01024096	2	WebCollab server upgrade fails with no error message
Meet Me Conference	Q01078148	3	Code path results in dropped leg

Meet Me Conference	Q01105178	3	Receive buffers lost in ConfMP
Meet Me Conference	Q01109570	3	Back propagate Flow Spec updates
Meet Me Conference	Q01033478	4	Web Collab session fails to start after pressing 91
Multimedia Client Set	Q01047345-02	3	[Prop 9.0] MCS Cannot complete calls from PVG with T.38 Enabled
Multimedia Client Set	Q01094962	3	MCP-3.0FF-P3-FEAT:PCC still controls i200x after changing user in clientSet mode
Multimedia Client Set	Q01047345-01	4	[Prop 3.0] MCS Cannot complete calls from PVG with T.38 Enabled
Multimedia PC Client	Q01055058	2	Outlook plug in does NOT manage the "+" symbol
Multimedia PC Client	Q01060282	2	PCC30: PC Client crashed on WLAN connection bounce
Multimedia PC Client	Q01069191	2	MCS 5100 3.0 - PC Client - IM Client Uses Hebrew Font not English
Multimedia PC Client	Q01071708	2	CIVO MCS 3.0:C++ PCC drops control of i200x set when Contivity established
Multimedia PC Client	Q01081607	2	MCS5100 Rel:3.0/ISMCS/ PC Client Locks Up on a SIP to SIP Call
Multimedia PC Client	Q01082069	2	MCP-3.0-PCC Incorrectly processes multiple RTP streams
Multimedia PC Client	Q01085970	2	Use NNSMCAPI establish a call, Double click a friend, NNSMCAPI will crash
Multimedia PC Client	Q01087264	2	CIVO: MCS5200 build3.0.17.2:SaskTel: CD mode presence reporting incorrectly.....
Multimedia PC Client	Q01081792-01	2	MCP3.0 PC Client Crash
Multimedia PC Client	Q01090886	2	GNPS: MCS 5200 - PCCclient : drop down list failure for French language
Multimedia PC Client	Q01091868	2	MCS3.0: PCC 3.0.361 send INVITE without URL causing Appsvr to throw TCF exceptio
Multimedia PC Client	Q01091895	2	MCS3.0.18: PCC 3.0.361: Multiple IM Window when CD2 user involved
Multimedia PC Client	Q01104460-01	2	SMC3.0 clone [MCP9.0-P2 SANITY: Referring a PCC user fails, <> in request URI]
Multimedia PC Client	Q01107834	2	MCS3.0.18; Starting Video drops the call from CD2 to non-CD-mode CD2
Multimedia PC Client	Q01108163	2	MCS-3.0-C++PCC: garbage character (issue5 upgrade request pop up window)
Multimedia PC Client	Q01108175	2	MCS-3.0-C++PCC:garbage characters(issue2 USB headset adapter) on Japanese ver.
Multimedia PC Client	Q01108169	2	MCS-3.0-C++PCC:garbage characters(issue1 Copyright) on Japanese C++PCC
Multimedia PC Client	Q01108180	2	MCS-3.0-C++PCC: garbage character (issue3 tooltip) on Japanese ver.
Multimedia PC Client	Q00987587	3	ASPC-Loc: Alert Message can't pop up when user change his default location
Multimedia PC Client	Q01010945	3	ASPC-Loc: CH-The text in the window of "software update" are jammed code
Multimedia PC Client	Q01019093	3	SMC30: formatting of video frame rate dependent on locale setting
Multimedia PC Client	Q01019410	3	MCS 5100 3.0 nmea beta - issues with file & app sharing on C++ client
Multimedia PC Client	Q01024088	3	MCP-3.0FF-P3-PCC: SMC does not re-cache nonce on 407 response on un-Subscribe
Multimedia PC Client	Q01030520	3	MCP-3.0FF-P3-PCC: Intelligent selection of Annexes, Bitrate, and FrameSize
Multimedia PC Client	Q01046737	3	MCP3.0-P3: New IM window should not grab mouse focus when coming to foreground
Multimedia PC Client	Q01054724	3	MCP-3.0-P3-PCC: Calls dropped with change of external IP address
Multimedia PC Client	Q01058470	3	Shaw Messenger Client has a string that can't be customized with the TDK
Multimedia PC Client	Q01061088	3	CIVO: MCS5200 build3.0.15: C++ build 3.0.250: Start Video automatically checkbox
Multimedia PC Client	Q01066876	3	MCP3.0 Firewall timer dropdown too small in French
Multimedia PC Client	Q01068166	3	ASPC-Loc: MCP3.0 Update Properties file of French SMC (prop to 4.0)
Multimedia PC Client	Q01070422	3	CIVO:ISMCS:3.0 Can't change Friends Group in French
Multimedia PC Client	Q01073405	3	CIVO:ISMCS:3.0: Chairperson tries launch PA Prompt "Web Collab Session Will End"
Multimedia PC Client	Q01073695	3	CIVO MCS 30:C++ PCC Instant Message Meetme Window takes focus from Call Control
Multimedia PC Client	Q01085830	3	MCS3.0: PCC ACK delayed after Cancel of Collaboration session
Multimedia PC Client	Q01088291	3	MCP 3.0: Invalid Contact msgs appear when password is changed while logged in
Multimedia PC Client	Q01089838	3	CIVO:ISMCS:3.0 Key pad button cannot be moved or is sent to back of call screen
Multimedia PC Client	Q01091243	3	MCP3.0FF-P5-FEAT: Error message "Unknown Service name" CRBT appears
Multimedia PC Client	Q01093873	3	MCP-3.0FF-P3-PCC-ENH: Parse content-type header to allow optional media parms
Multimedia PC Client	Q01069962-01	3	MCP9.0-P3-SANITY:PCCclient fails to complete messaging to the callpark service
Multimedia PC Client	Q01094342	3	MCP 4.0: Client still in video mode even after hang up
Multimedia PC Client	Q01053742-02	3	MCP4.0_P3:location is not updated on PCC's GUI

Multimedia PC Client	Q01080873-01	3	MCP 3.0 Muting repeatedly causes client to lock up
Multimedia PC Client	Q00981871-01	3	MCS 3.0-P3 - x-nt-party-id not updated for CD client on NOTIFY answer
Multimedia PC Client	Q01095249-01	3	MPC 3.0: Client crashed while watching normal user in admin console
Multimedia PC Client	Q01096731	3	MCP-30FF-P3-PCC: Crash on combination of Alt-F4 closures
Multimedia PC Client	Q01084752-01	3	MCP3.0-P3:PCC:Client fail to register after losing network connection
Multimedia PC Client	Q01102144	3	Starting Personal Agent Overwrites an Existing Browser Window
Multimedia PC Client	Q01103387	3	CIVO:ISMCS:3.0 - Dial Pad Window does not appear
Multimedia PC Client	Q01104389	3	Add logic to delete logs older than a RAIDer.ini key specified value
Multimedia PC Client	Q01104581	3	MCS 3.0 - Echo Reducer in PC Client text
Multimedia PC Client	Q01107856	3	MCP3.0 - Call Logs sorting is sorting by day/month/year
Multimedia PC Client	Q01104523-01	3	CIVO:MCS3.0:addressbook.dat File Corrupts Over ASU Client Restart
Multimedia PC Client	Q01109730	3	MCP3.0 Remove "This is a 3.0 Load. It is not to be..." text from installer
Multimedia PC Client	Q01109961	3	MCP 3.0 - Insession window keeps popping up when auto web push is set.
Multimedia PC Client	Q01110366	3	MCS 3.0 PCC - Please make Advanced User default to disabled
Multimedia PC Client	Q01111514-01	3	SMC40: friend presence status not cleared on logout
Multimedia PC Client	Q01113845	3	3.0 SMC crash in SkinHtmlEdit::OnNavigateComplete2
Multimedia PC Client	Q00865753	4	MCS 3.0-P4:PC Client Icons change to square icon buttons
Multimedia PC Client	Q00873790	4	MCP-30-P4-PCC: Blank Session Call Panel
Multimedia PC Client	Q00905184	4	CIVO:MCS5200 3.0:Cannot open/run Profile Manager while PC Client is running
Multimedia PC Client	Q00877435-01	4	MCP 2.0 to 3.0 PROP Loss of PC Client profile data
Multimedia PC Client	Q01058282	4	CIVO MCS 3.0:Logout of PC Client leaves Instant Message Windows open and active
Multimedia PC Client	Q01085602	4	MCP3.0 - Installation over older version always gives desktop icon regardless
Multimedia PC Client	Q01086522	5	3.0 Client Enhancement: Additional information in logs
Multimedia PC Client	Q01102165	5	Opening a Pushed Web Page Overwrites an open URL
Multimedia Web Client	Q01046112	3	ASPC-Loc: WC_es: can't logout successfully
Multimedia Web Client	Q01058943	3	ASPC-Loc: MCP3.0 Submit the Simp&Trad Chinese online help of Web, PA, SMC
Multimedia Web Client	Q01072141	3	ASPC-Loc: MCP3.0 Update some strings in Spanish and Korean Web client
Multimedia Web Client	Q01094866	3	MCS5100:CLIENT:CAN NOT CHANG THE FONT at tomen
Multimedia Web Client	Q01097964	3	MCS09: Web client download over SSL/TLS link
Multimedia Web Client	Q00713670	4	IMS 3.0 - CSR P4: WebC interaction with PC hibernation
Multimedia Web Client	Q00719071	4	MCP-2.0-P4-v100RUT: Network Connectivity Dialog Missing When PC Isolated
Multimedia Web Client	Q00784781-01	4	Prop to 3.0: Web Client: Unsupported Media Message Not Displayed to User
Multimedia Web Client	Q00843922	4	MCP-3.0-P4 Web Client: The call log reflects a wrong name of outgoing SIP call
Multimedia Web Client	Q00887050	4	MCP-3.0-P4-Web Client: Can not double click on Redial entry and place call
Multimedia Web Client	Q00889925-01	4	MCP 3.0: Client sent messages are lost when nothing selected in to list
Multimedia Web Client	Q00904092	4	MCP-3.0-P4-CSR:Web Client:IMs to network isolated WC, never receive an error
Multimedia Web Client	Q00904078	4	MCP-3.0-P4-CSR:Web Client:Transfer dialogue won't give up control
Multimedia Web Client	Q00976000-01	4	MCP 3.0 - MCS5100:CLIENT:CAN NOT CHANG THE FONT at tomen
Multimedia Web Client	Q00980655	4	ASPC-Loc: WC_chs: can't save presence parameters successfully
Multimedia Web Client	Q01046416	5	MCS web server - Rel3.0.3 - req. change to java applet "look & feel" parameter
Other	Q01092080	2	IAD1001M sends INVITE with first No. if VoIP digit map of prefix 0 been added
Other	Q01092128	3	IAD 1001M doesn't turn on PHONE LED when speaking in PSNT mode
Other	Q01100327	3	IAD1001M FAX tone mis-detection risking HiNet BMT.
Other	Q01029408	4	Polycom interop problem with MCS 3.0.14 case # 041116-62499
Other	Q01094068	4	Setting IAD1001M's preferred codec via telnet CLI will not take effect.
Other	Q01096785	5	IAD1001M is capital insensitive if setting pppoe password via CLI.
Other	Q01100296	5	IAD1001M pops up hints in English after modify password via Web UI in TRChinese.

Personal Agent	Q01079624	2	GNPS MCS5200 3.0.15 : Automatic Identification functionality in Unified Comms
Personal Agent	Q01087627	3	MCP-3.0FF-P3-FEAT:CRBT route function may be impaired by other route in the list
Personal Agent	Q00724683	4	MCP2.0-P4: PA Web Client Button Should be Unavailable for Converged User
Personal Agent	Q01001344	4	MCP3.0_P4:user can call another user's WebClient from PA
Provisioning Client	Q01036224	3	CIVO:MCS 5200 3.0:MTS:Audit Log-Reversed Data Fields
Provisioning Manager	Q01088477	2	MCP3.0FF-P2-FEAT:CRBT in sub domain available when recalling it from root domain
Provisioning Manager	Q01110497	2	MCS5200: ERL issue - unable to modify a gateway definition.
Provisioning Manager	Q00839370	3	MCP3.0-P3-BPT:modifyIPCM domain capacity no longer does anything
Provisioning Manager	Q01066428	3	HKBN MCS 3.0.15 - ProSvr1 "Domain Resouce" alarm
Provisioning Manager	Q01087505	3	MCP 3.0: P3: User search query for clients:
Provisioning Manager	Q01028421-01	3	P3-Sanity: Prov & Resource Mgr User Tables Out of Sync
Provisioning Manager	Q01090201	3	MCP3.0FF-P3: BPT InvalidDataExceptions occurring on prov client
Provisioning Manager	Q01101081	3	CIVO:MCS3.0:Prov OPI Interface Is Open to Security Breaches
Provisioning Manager	Q01090227	4	MCP3.0FF-P4: BPT Contact next level of support errors in prov logs
Provisioning Manager	Q01097814	4	MCP-3.0FF-P4-FEAT: CRBT service assigned to domain without Advanced Screening.
RTP Media Portal	Q01018136	2	CIVO:MCS5200 3.0:MgmtConsole alarm problems for RTP host card LAN loss
RTP Media Portal	Q01104833	2	MCS5200 3.0 Post 2.0 to 3.0 upgrade no speech when forwarded to i2004 user's VM
RTP Media Portal	Q01105337	2	PTIP/H323 SN07 VO TLD: All calls H323 to PSTN experiencing 1 way trans.
RTP Media Portal	Q01107973	2	Succession:CS2000:F98R3300:Cannot deploy RTP database
RTP Media Portal	Q01099858	3	MCS 5200 Question: Does MCS support RTP Extension Headers?
SIP Application Server	Q01096508	2	MCP 3.0 - P2 - Session manager sending challenges to IPCM
SIP Application Server	Q01006504	3	MCS 3.0 IOT - P3 - AppSvr requires no. of ports in SDP in INVITE to conference
SIP Application Server	Q00933730	4	MCP 2.0 to 3.0 Interworking can't call 3.0 users if username is all digits
Session Manager	Q01112612	1	OneConnect: 3.0.16 OutBound CALLs to Vega Gateway Fail
Session Manager	Q00912524	2	MCP3.0-P2: Critical Alarm was raised for table IMWatchers Cache
Session Manager	Q00924414	2	Unanswered SIP/interworking calls terminating to MCS not taken down properly
Session Manager	Q00989590	2	MCP4.1 - Prop 3.0FF FTR390 - GW behind NAT to 4.1
Session Manager	Q01022128	2	CWIDC MCP3.0: ipDialog with MOH can not answer the CT call from MX1104 properly
Session Manager	Q01027173-01	2	[MCS4.0 Prop]MCS3.0.14; Callers blocking their name/number gets CDII voice mail
Session Manager	Q01029236-01	2	[prop 4.0] MCS3.0; C2C to a PSTN phone that is forwarded to VM gets the wrong VM
Session Manager	Q01040898-01	2	[prop 4.0] CIVO:SN07:PT-IP Bell iTech Wrong party billed CDII->MCS->interdomai
Session Manager	Q01054592-01	2	[Prop 4.0] MCS 3.0: CD user with cs2k pad c2c to cs2k lost location for portal
Session Manager	Q01066189	2	CIVO:MCS 5200 Rel 3.0.12 MAS Meetme mas Disconnectiong caller
Session Manager	Q01069509-01	2	MCS4.0: CD2 C2C to SIP PCClient. Video not working first time
Session Manager	Q01079703	2	MCS 5200 Rel 3.0.15.1 MAS needs SIP Accept Language field 2 play french greeting
Session Manager	Q00989590-01	2	MCP4.0 - Prop 3.0FF FTR390 - GW behind NAT to 4.0
Session Manager	Q01034040-01	2	CIVO:SN07:PT-IP Bell iTech CDII C2C Failures to PSTN LOCAL / ISDNLCL Treatments
Session Manager	Q01077223-01	2	[Prop 4.0]CIVO: MCS 3.0: Connected Name Display on the MCS
Session Manager	Q01047583-01	2	[prop 4.0] MCS-3.0-P2-SM: Telephony Translations broken on AppSvr
Session Manager	Q01082913-01	2	[Prop 4]MCS 3.0:Transfer with double redirect to a gw has incorrect redirect hdr
Session Manager	Q01089190	2	[MCS4.0 Prop] MCS3.0.17: Expire value too short for service subscription
Session Manager	Q01089281	2	MCP-3.0FF-P2-FEAT:CRBT impairs call between MCS and CS2K
Session Manager	Q01089276	2	MCP-3.0FF-P2-FEAT:treatment for 487 is impaired by CRBT
Session Manager	Q01089363	2	MCP-3.0FF-P2-FEAT:call can not complete if mas is shutdown when playing crbt
Session Manager	Q01090355	2	MCP-3.0FF-P2-FEAT:Session mgr does not reroute if MAS IP is invalid
Session Manager	Q01090893	2	MCP3.0-CS2K-P2-NGSS: Appsvr sending nodename instead of ip addr for via header
Session Manager	Q01091144	2	MCS 3.0: VEGA to CS2K call not complete

Session Manager	Q01074680-02	2	MCS-4.0-P2-TRAFFIC: Hung Context Blocks seen after 72 Hour Traffic Soak
Session Manager	Q01073276-02	2	MCP3.0-P2:E911 PSAP Callback from SN08 cCS2K Not Tagged As Emergency Call
Session Manager	Q01092220	2	MCP-3.0FF-P2-FEAT:Invalid Invite message and loop CPL are generated on appsvr
Session Manager	Q01092571	2	MCS3.0: N+M CS2K calls user@appsvr1 then redirect to appsvr2 not established
Session Manager	Q01092910-01	2	[Prop 4.0] MCS3.0.18 Sanity. TC IMS50425 Fails.
Session Manager	Q01081993-01	2	[Prop3.0]CIVO:MCS3.0:Admin Console Displays Duplicate Calls for the Boss
Session Manager	Q01084466-01	2	[Prop 3.0] Calls from cs2k to MCS Meet Me Conf.Port over NGSS not working
Session Manager	Q01095194	2	MCP 3.0-P2-FTR397 SN08 Adhoc Conf unable to complete conf with 2k trunk
Session Manager	Q01096582	2	Ringback codec not negotiated for slow start holds
Session Manager	Q01096230	2	MCP-3.0FF-P2-FEAT: Failed to answer the call from PVG to MCS and routed to IAD.
Session Manager	Q01055610-03	2	MCP3.0-FTR419-P3-NGSS: 2K Lines to 2K PRI simRing causes 488 not acceptable here
Session Manager	Q01096706	2	CIVO:MCS 5200 3.0:MTS:i2004 Vmail key not working for TRK based VM in other doms
Session Manager	Q01098072	2	CIVO:MCS5200 SaskTel: Multiple SIP-T Trunk seizure for CD2 Call with PA
Session Manager	Q01100967	2	[MCS3.0] No Contact header in the INVITE to the refer-to PCC party
Session Manager	Q01101091	2	MCP-3.0-SESM-P2: Memory and task leak in IMDB framework when table is reloaded.
Session Manager	Q01102598	2	SN08: GI080BV: MCS 3.0 conference fails
Session Manager	Q01100967-01	2	[Prop 4.0] 3.0 No Contact header in the INVITE to the refer-to PCC party
Session Manager	Q01102806	2	MCS3.0FF-P2-FEAT Calls between CS2K IAD and Client with MOH transfer fails
Session Manager	Q01102891	2	MCP-3.0FF-P2-FEAT:IAD originated high band call to CRBT fail to route back
Session Manager	Q01090893-01	2	[Prop 4.0] MCP3.0-CS2K-P2-NGSS: SN08 or SN07 interop SN06 appsvr send IP to SN06
Session Manager	Q01059662-01	2	CS2KSN08-FTR419-P2:NGSS Does Not Hold Call - Request Pending msg sent to AppSvr
Session Manager	Q01106732	2	[MCS 3.0] SN07-MOHsvc consume reinvite in a consult transfer among CS2K parties
Session Manager	Q01106732-01	2	[Prop 4.0] MCS3.0 SN07-MOH consume reinvite in a consult xfer among CS2K parties
Session Manager	Q01111263	2	mcs:v3.0.18: call transfer failed if originator is coming from the PSTN
Session Manager	Q01111318	2	mcs:v3.0.18: click_to_call to PSTN failed.
Session Manager	Q01111442	2	mcs:v3.0.19:gz_ctc:PSTN attendance can't hear and be heard in adhoc conference
Session Manager	Q01114954	2	MCP3.0-P2-FEAT: seqring to a cs2kc IAD user failed
Session Manager	Q01048620	3	MCP4.0-P3-4.0 xferring 3.0 user to 4.0 voicemail attempts to use 3.0 MAS server
Session Manager	Q01051462	3	MCS-3.0.15:APS-P3: Large quantity of incoming INVITES with SIP message type 0
Session Manager	Q01069072	3	MCP 4.0 regr P3: AppSvr can not connect the call after a long duration branding
Session Manager	Q01070843-01	3	[Prop 3.0]MCP4.0-P3-Exception in building the Cancel to Request
Session Manager	Q01088560	3	MCP-3.0FF-P3-FEAT:treatment for busy can't be played for CRBT seq ring
Session Manager	Q01073863-01	3	MCS-3.0-P3-TRAFFIC: Exceptions in getSubscriber(SubrInfoMgr.java:155)
Session Manager	Q01089362	3	MCP-3.0FF-P3-FEAT:new IPDR generated for CRBT while FD indicates it should not
Session Manager	Q01092239	3	MCP-3.0FF-P3-FEAT:CS2K originatedcall fail to route to another session mgr
Session Manager	Q01095876	3	MCP-3.0FF-P3-FEAT:CS2K originated low bandwidth CRBT call to foreign domain fail
Session Manager	Q01096255	3	CIVO: MCS 3.0 Unforced Context Exception
Session Manager	Q01096709	3	CIVO:Incorrect Request RUI format in VM server definition causes exception
Session Manager	Q01081126-02	3	MCP4.0-P3-Sanity: Meetme call causing Billing Longcall Exception
Session Manager	Q01094034-01	3	MCP-3.0-: gwy calls do not get proper route list when the action is REDIRECT
Session Manager	Q01101849	3	MCP3.0:P3:FTR397 - NGSS Does Not Transfer to VM For Boss/Secretary
Session Manager	Q01103152	3	MCP3.0-FTR397:P3-Wrong Payload Sent from MCS to cCS2K
Session Manager	Q01096255-01	3	[Prop 4.0] CIVO: MCS 3.0 Unforced Context Exception
Session Manager	Q01074845-01	3	[prop3.0]-reg-P3: subdomain user not routed to specified number after trmt
Session Manager	Q01110825	3	[MCS3.0] Sip redirect to cs2k with loopback translation cause RPI counter mismat
Session Manager	Q01076474-01	3	MCP3.0-P3-Sanity: Call on Behalf of Boss Fails for Boss Homed on Another AppSrv
Session Manager	Q01113495	3	MCS-9.0-P3-Sanity:Contact in Moved Permanently is original address - loops

Session Manager	Q01114963	3	MCP-3.0FF-P3-FEAT: PVG2PVG call failed when 1st SimRing leg time out
Session Manager	Q01110094	5	MCP-3.0FF-P5-FEAT:user without CRBT service in SP can be set with colorful ring
Solaris Platform	Q01104309	2	MCS5200 3.0.17.2 : Sun N240's very low Ethernet bandwidth
Solaris Platform	Q00869547	3	disable iPlanet admin server
Solaris Platform	Q01016989	3	MCS-4.0-P3: Solaris Patch required to fix mpstat bug
Standard Datafill	Q01094812	2	MCP3.0-Prov-P2-Datafill GW tandem routes for retro lab
System Management GUI	Q01052346	2	MCS5200: Rel 3.0.15: Loss of M2K .ini parms when upgrade via mgmt console
System Management GUI	Q01043042-01	2	CIVO:MCS 4.0: misleadin error msg received on mgmt console when modifying PRI gw
System Management GUI	Q01086393	2	CIVO:MCP3.0-P2:AudioCodes:Fail to load from mgmt console
System Management GUI	Q01106970	2	Remote "power off" from Management Console does not work
System Management GUI	Q00957842	3	MCS4.0: Wrong gui message when Licensekey is applied with an invalid lky file
System Management GUI	Q01100243	3	CIVO MCS 3.0:Mgmt Console Modify AudioCodes Gwy missing scoll bar on page
System Manager	Q01114945	2	IMS-3.0FF-P2-FEAT:If MAS resource exhausted, new call can not be picked up.
System Manager	Q01082831	3	MCP30 - no alarms raised for Audiocodes trunks provisioning
Unified Communications	Q01106048	2	MCS 5200: Rel 3.0.15.1: MAS UComm default behavior modifcn causes strange behav
Unified Communications	Q01033670-01	3	MCS4.0 - P3 - MAS/IPCM send back a 413 in response to NOTIFY
Unified Communications	Q01023394	4	CIVO: MCS 3.0: UC Usage Reports No Longer Work in the Prov Client
Vegastream	Q01039294	3	MCS 3.0 PRTC VO: VEGA not providing CALLID when IC PRI trunk has screen=USER
i2002 Internet Telephone	Q01084221	2	CIVO MCS 3.0:Instant Msg from i200x set dialed into meetme bridge plays DTMF
i2004 Internet Telephone	Q00947470-01	2	CWIDC MCP3.0: exhaust Ado-hoc conferece port.
i2004 Internet Telephone	Q00897490-02	3	3.0FF_PROP: Fidelity: i2004 time is one hour off when controlled by MMPPC
i2004 Internet Telephone	Q01050113	3	MCS-3.0-P3: IPCM playing tone continously after receiving multiple IMs
i2004 Internet Telephone	Q01050113-02	3	MCS-9.0-P3: IPCM playing tone continously after receiving multiple IMs
i2004 Internet Telephone	Q00920266	4	MCP-3.0-P3-CSR: Term. Hears Short Burst of Music - Changing i200x Audio Settings

(Solved in MR 3.0.18)

Product	CR Id	Priority	Title
Accounting Manager	Q01036427-01	3	MCP-4.0-P3-REGR:invalid billing records generated
Ambit	Q01086675	1	IAD 1001M no G.723.1 codec capability in V3.2.0
Ambit	Q01052799	2	In V3.1.0, IAD failed to reboot via Web UI
Ambit	Q01052800	2	Auto-provisioning fail to update PPPoE username/password: V3.0.0 in PPPoE mode
Ambit	Q01053965	2	MCS3.0.15-APS: Many abnormal result code "403 Forbidden"
Ambit	Q01073962	2	IAD 1001M incoming PSTN fail after incoming & outgoing SIP call
Ambit	Q01073963	2	IAD 1001M outgoing PSTN call fail after incoming PSTN fail
Ambit	Q01073954	2	IAD 1001M VoIP & PSTN ready, receive SIP call fail
Ambit	Q01073958	2	IAD 1001M outgoing PSTN call fail after outgoing VoIP call
Ambit	Q01073957	2	IAD 1001M receive PSTN call fail after SIP incoming call
Ambit	Q01073960	2	IAD 1001M outgoing VoIP call fail after an incoming VoIP call
Ambit	Q01073979	2	IAD 1001M outgoing SIP call fail after outgoing PSTN fail
Ambit	Q01073978	2	IAD 1001M outgoing PSTN call fail after power on
Ambit	Q01073980	2	IAD 1001M incoming PSTN fail after outgoing PSTN and SIP call
Ambit	Q01086685	2	IAD 1001M doesn't display TRChinese for "PPPoE Status" when PPPoE selected
Ambit	Q01086781	2	IAD 1001M Bridge Mode-LAN pc can't open web page when PPPoE access
Ambit	Q01056517	3	MCS-3.0.15-IAD-P3: Speed Dialing Failure on Foxconn 1001M SIP IAD V3.0.0
Ambit	Q01086687	3	IAD 1001M display English error msg when login fail in Chinese interface
Announcements	Q01093899	2	MCP-3.0FF-P2-FEAT:CRBT replication client failed to synch with data source.

Announcements	Q01092214	4	MCP-3.OFF-P4-FEAT:CRBT replication client wouldn't remove sub-directory.
Audiocodes	Q01037797	2	CIVO:MCS 3.0: No Voice Path on call to MCS forwarded to PSTN
Audiocodes	Q01043657	2	MCS 5100 3.0 UofM..No OCN in Audiocodes SETUP
Audiocodes	Q01045480	2	Can't Send Fax via MCS 5100 3.0 Audiocodes GW
Audiocodes	Q01075107	2	CWIDC MCP3.0: The parameter ISDNJAPANNTTTIMERT3JA does not work
Audiocodes	Q00911040	3	MCP-3.0-P3-AudioCodes:AudioCodes Gateway Critical Alarm on MGMT Console
Audiocodes	Q00979810	3	Cause Value Mapping error on the AC for PRI to SIP; Release Cause 88 and 96
CS2000	Q01049081-01	2	[Prop 4.0] CIVO:MCS 3.0: Default route not working correctly with Enhanced TDM
CS2000	Q01069505	2	3.0.17:Sanity:IMS29542: CD2 C2C to SIP PCClient. IM not working properly
CS2000	Q01092910	2	MCS3.0.18 Sanity. TC IMS50425 Fails.
CS2000	Q00941456	3	MCS-3.0-P3-LG001S: CS2K leg not released on declined blind xfr
CS2000	Q00943950	3	MCP-3.0-P3-REGR:CS2K send 486 Busy Here when fxs Xfer w/consult. to CS2K
CS2K Interworking	Q00987271	2	NGSS: PVG orig call drops when attempt to reconnect after MOH by MCS i2004
Chat	Q01048827-01	3	MCP4.0_P3:MAS can not deal with long decline reason correctly
Core	Q01065084	1	CIVO:ISMCS:3.0 - No timeout on Presence when user loses Network connectivity.
Core	Q01019285	2	MCS 5100 2.0 - Ramp Team - BCM integration required
Core	Q01019341	2	EMR exercise for a fix
Core	Q01019332	3	CIVO:MCS3.0:Provisioning Manager:Domain Resource Alarm
Core	Q01032135	3	I200X phones on MCS are randomly resetting.
Core	Q01042411	3	MicroSystem - iPlanet Web monitor Error
Core	Q01066955	3	CIVO:ISMCS:3.0 - Presence Issue
Core	Q01031360	4	CIVO:ISMCS:3.0: Increasing the users on ISMCS
Database	Q00909641	2	CIVO: MCS 5200 3.0: DB backup procedure on OEM hangs
Database	Q00899246-01	2	MCP4.0-P3-Traffic: Appsvr failover Unforced Context Exception.
Database	Q01079129	2	CIVO:MCS 3.0: DB Resync Procedure hangs on step 3
Database	Q01079644	2	CIVO:MCS 3.0: MR 3.0.17: DB Replication Failures
Database	Q00996018	3	MCS-3.0.5-DBS-P1: Database(Oracle) server security alert (serverity=1)
Database	Q01024863	3	MCS5200 3.0:DBSNMP Fails to Start After DB Server Backup and Restore
Database	Q01022079-01	3	MCS 3.0: /mcp_enableMED.pl script missing from MCS DB servers
Database	Q00914199	4	DBIOControllerFactory dispose method throws ArrayIndexOutOfBoundsException
IM CHAT	Q01074912	3	CIVO:MCS 3.0: Service Data Backups on some MAS Blades Fail
IP Client Manager	Q01076164	1	CIVO:ISMCS Unable to Retrieve Service Package
IP Client Manager	Q01047345	2	MCS Cannot complete calls from PVG with T.38 Enabled
IP Client Manager	Q00821691	3	FTR308 Boss-Sec IPCM need to indicate the difference between parked and held
IP Client Manager	Q00967793	3	Language change options on Ph2 iset does not work properly.
IP Client Manager	Q00888259	4	MCP3.0-P4-Traffic: java.lang.NullPointerException during IPCM Lock
IP Client Manager	Q00967732-01	4	MCP-4.0 -P4--IPCM: Propagation of 3.0 fix: Vol adjustment while set is ringing.
MAS Platform	Q01064347	2	MCS5200: BladeCenter Mgmt + ESM Firmwares unavailable from IBMs Web
MAS Platform	Q01066151	2	MCS 5200 MAS - Security Update for Windows 2000 (KB891711)
MAS Platform	Q01065956	2	CIVO: MCS5200 Rel 3.015.1 MAS UC will garble voicemail message longer then 1 min
MAS Platform	Q01065956-01	2	CIVO: MCS5200 Rel 3.015.1 MAS UC will garble voicemail message longer then 1 min
MAS Platform	Q01087996	2	CIVO:ISMCS:3.0: JVM Crashed on the MAS in RTP
MAS Platform	Q01088760	2	MCP 3.0-P2: Upgrade JVM to 1.4.2_07
MAS Platform	Q01092036	2	MCP-3.OFF-P2-FEAT:MAS can not synchronize the audio file from a new DataSource
MAS Platform	Q01013302	3	ASPC-Loc: Some prompts have better translations (Japanese)
MAS Platform	Q01013305	3	ASPC-Loc: Some prompt templates are wrong (Japanese)
MAS Platform	Q01013308	3	ASPC-Loc: Pronunciation of some prompts for Month, Day... error (Japanese)

MAS Platform	Q01046190	3	ASPC-Loc: Wrong word in IM when participant enter invalid passcode(Spanish)
MAS Platform	Q01046230	3	ASPC-Loc: Wrong Expressions in Email Notification in UC (Spanish)
MAS Platform	Q01050634	3	ASPC-Loc: some audio files not exist in UComm function (Korean)
MAS Platform	Q01050622	3	ASPC-Loc: some files about number in meetme function not exist (Korean)
MAS Platform	Q01052091	3	ASPC-Loc:IM notification wrong when participant failed to enter passcode(Korean)
MAS Platform	Q01052097	3	ASPC-Loc: 'Banner2' in Email Notification displays in English, not Korean
MAS Platform	Q01054840	3	MCP 3.0-P3: Add WebDialogs patch to stop adv page
MAS Platform	Q01059590	3	MCP 3.0-P3: Update product names for WebCollab Svc; SNMP field types; CMgr logs
MAS Platform	Q01064801	3	MCP 3.0-P3: Upgrade Java Runtime to 1.4.2_06
MAS Platform	Q01092230	3	MCP-3.0FF-P3-FEAT:CRBT data source server won't start automatically.
MAS Platform	Q00876421-01	4	MCP 4.0-P4-Alarms should be raised for Invalid Pool Config
MAS Platform	Q01051618	4	Succession:MAS:Media Application Server for MCS5200.
MAS Platform	Q01075698	4	aaa
MAS Platform	Q01093910	4	MCP-3.0FF-P4-FEAT:CRBT MAS does not support space in file name.
MAS Web Collaboration	Q01079534	1	WAC license key invalid
MAS Web Collaboration	Q01064970	2	CIVO:ISMCS:3.0 Alpha Web Collaboration. FTP Error on Publish
MAS Web Collaboration	Q01070758	2	CIVO:ISMCS:3.0: Web Collab MAS Console Server Properties Error
MAS Web Collaboration	Q01079763	2	MCS 5100 / CIVO:ISMCS:3.0: Web Collab - PC CPU 100% - Excel spreadsheet
MAS Web Collaboration	Q01083455	2	MCS 5100 3.0 - Beta Trial : WAC Server Post Installation Problem
MAS Web Collaboration	Q01027128	3	WebCollab share stops working after disconnecting user
MAS Web Collaboration	Q01058882	3	Abandoned files left on collab server
MAS Web Collaboration	Q01058877	3	Participant Performance Issues during App Sharing
MAS Web Collaboration	Q01072448	3	Can not publish specific word document
MAS Web Collaboration	Q01021141	5	Web Collab Administration has inconsistent window naming
MCS 5100	Q01073638	1	MCS 5100 3.0 - applying Solaris patches taking four plus hours
MCS 5100	Q01019276	2	MCS 5100 3.0 - CD2 - Click to Call Error "Click to call failed due to %s"
MCS 5100	Q01042786	2	CIVO:ISMCS:3.0 TrunkGroup Change causes route order change.
MCS 5100	Q01033272-01	2	MCS5100 3.0: i2004 no ring if PC client has been un-gracefully disconnected
MCS 5100	Q01087949	2	Web Collab - Can't Publish - FTP Error (5000)
MCS 5100	Q01089825	2	MCS 3.0 - MAS IM Chat Errors
MCS 5100	Q01090543	2	CD 2 Call Cleardown Fault
MCS 5100	Q01090902	2	CIVO: ISMCS:3.0: Web Collab -- MAS DNS entry problem
MCS 5100	Q01019230	3	CIVO:ISMCS:3.0: Meet-me conference #?s do not show up in French locale
MCS 5100	Q01015763-02	3	MCS voicemail mis-config impact CD user popup window
MCS 5100	Q01031973	3	MCS Gatekeeper is not able to route any call.
MCS 5100	Q01031988	3	H323 call is not going through from MCS to Succession system
MCS 5100	Q01042297	3	Micro System - Backup Fails Because of Folder Permissions
MCS 5100	Q01054187	3	MCS Installation - metainit: mcs-db: there are no existing databases
MCS 5100	Q01055460	3	Click to call is not working from inbox & outbox,when call madefrom cse A to MCS
MCS 5100	Q01056093	3	CIVO:ISMCS:3.0 - MWI CS1K/MCS interworking
MCS 5100	Q01066892	3	CIVO:ISMCS:3.0 Release Notes and Upgrade
MCS 5100	Q01070448	3	Call is not going from opc 61-7 user to CSE 1-K user over SIP .
MCS 5100	Q01070790	3	CIVO:ISMCS:3.0 MCS UPGRADE PROCESS
MCS 5100	Q01076403	3	3.0.17 update to release notes
MCS 5100	Q01090902-01	3	4.0 Prop of Web Collab -- MAS DNS entry problem
MCS 5100	Q01067169	4	VoiceCon Converged Desktop Configuration Request
MCS 5100	Q01079860	4	CIVO:ISMCS:3.0 - Instant Message does not work properly with alternate languages

Management Server	Q00614344	5	Log Browser documentation doesn't explain meaning of logs
Media Server	Q01022520	3	MCS3.0; Music on Hold gets normalized to 0 DB, needs to be quieter
Mediatrix	Q01049522-01	3	BC:MCS5200:REL3.0.11:Tokyo:New customer can't receive calls
Mediatrix	Q01070445	3	MCS 5100 3.0 - Mediatrix modem calls failing
Meet Me Conference	Q01058791	2	Chair can't talk to operator
Meet Me Conference	Q01057481-01	3	Merge ConfMP 3.0MR audio dropout changes
Meet Me Conference	Q01078148	3	Code path results in dropped leg
Meet Me Conference	Q01090239	3	Cstore Alarm doesn't clear + conf disconnect
Multimedia Client Set	Q00882874-01	3	MCP3.0-P3-Traffic: Max Addr/Friends entries causes IPCM clients to fail
Multimedia Client Set	Q01047345-02	3	[Prop 9.0] MCS Cannot complete calls from PVG with T.38 Enabled
Multimedia Client Set	Q01094962	3	MCP-3.0FF-P3-FEAT:PCC still controls i200x after changing user in clientSet mode
Multimedia PC Client	Q01087081	1	MCP-3.0FF-P1-PCC: Global Address Book Pounds Database
Multimedia PC Client	Q00944770	2	4.0 ENHC: PC Client Assistant Console - Incoming Calls as minimized.
Multimedia PC Client	Q00978166	2	CIVO MCS30:PCC Multiple calls and File Sharing user Picture swapped
Multimedia PC Client	Q01019252	2	MCP-4.0-P2-Sanity: PC Client crashes when digit is sent during call
Multimedia PC Client	Q01040659	2	CIVO:MCS 3.0: C++ client call from PVG w/branding causes 100% cpu usage
Multimedia PC Client	Q01055499	2	GNPS: PCC application crashing upon receiving particular type of call
Multimedia PC Client	Q01066307	2	MCS5200 3.0.15 : "Clipboard Sharing" cannot share images
Multimedia PC Client	Q01067196	2	MCP-30FF-P2-PCC: Audio calls non-functional on Win98
Multimedia PC Client	Q01067921	2	CIVO MCS 3.0:C++ PCC Cannot change Skin Theme from Standard to Consumer
Multimedia PC Client	Q01069191	2	MCS 5100 3.0 - PC Client - IM Client Uses Hebrew Font not English
Multimedia PC Client	Q01069641	2	CIVO MCS3.0:C++ PCC Software Update better error message when Outlook running
Multimedia PC Client	Q01070268	2	MCS 5100 3.0.253 PC Client - Firewall Detection Error
Multimedia PC Client	Q01071708	2	CIVO MCS 3.0:C++ PCC drops control of i200x set when Contivity established
Multimedia PC Client	Q01069505-01	2	3.0.17:Sanity:IMS29542: CD2 C2C to SIP PCCClient. IM not working properly
Multimedia PC Client	Q01072643	2	GNPS : MCS5200 : PC Client 3.0.15 253 fails to run on Telewest configured laptop
Multimedia PC Client	Q01070509-01	2	CIVO:MCP 3.0: i2004 Inbox call button causes run time error in RaiderSetMode
Multimedia PC Client	Q01074422	2	CIVO MCS 3.0:PCC C++ Runtime error
Multimedia PC Client	Q01074508	2	MCP-30FF-P2-PCC: Click to call from IM Conversation non-functional
Multimedia PC Client	Q01075408-01	2	MCP 3.0 SMC Crash in Client Set Mode
Multimedia PC Client	Q01082069	2	MCP-3.0-PCC Incorrectly processes multiple RTP streams
Multimedia PC Client	Q01078037-01	2	CIVO:MCP 3.0: PC Client does not accept digits entered from Keyboard
Multimedia PC Client	Q01081792-01	2	MCP3.0 PC Client Crash
Multimedia PC Client	Q01091895	2	MCS3.0.18: PCC 3.0.361: Multiple IM Window when CD2 user involved
Multimedia PC Client	Q00878444	3	MCP-3.0-P3: PCC call display is wrong on assistant popup for call to boss
Multimedia PC Client	Q00894251-01	3	CWIDCVO:MCS5200 2.0: PC can not control i200x
Multimedia PC Client	Q00907064	3	MCP-30FF-PCC: C++ client needs to adjust video size based on media reception
Multimedia PC Client	Q00929667	3	CSR TC_ID: IMS40879 PCC fails in reimporting the same contact
Multimedia PC Client	Q00962846	3	MCP-30FF-P3-PCC: wrong fmp for H.263
Multimedia PC Client	Q00987474	3	MCP 4.0-P3-Sanity: CD2 video not re-established after hold/retrieve
Multimedia PC Client	Q00997846	3	CIVO MCS 3.0: C++ Client not remove old version of Java 2.0 components
Multimedia PC Client	Q01002837	3	MCS-4.0-P3-Sanity: Sec calls on behalf of boss then parks call;cannot retrieve
Multimedia PC Client	Q01004832	3	ASPC-Loc:The error in the language selection of "User Preference > system"
Multimedia PC Client	Q01013798	3	CIVO MCS 3.0: C++ Client Shaw Skin customize download directory
Multimedia PC Client	Q01017176	3	MCP-30FF-P3-PCC: Polycom interop -- H.263 Video overly consumptive of real time
Multimedia PC Client	Q01024465	3	C++ PC Client's Assistant Console Panel does not support call actions.
Multimedia PC Client	Q01026100	3	CIVO:ISMCS:3.0 - French characters display incorrectly

Multimedia PC Client	Q01026705	3	Seednet: MCS3.0: Call not terminated at far end site when cross App/Proxy server
Multimedia PC Client	Q01035252	3	MCP-30FF-P3-PCC: SMC doesn't use default Preferences.data for new profiles
Multimedia PC Client	Q01037328	3	MCP-30FF-P3-PCC: Remove VNC from daily enterprise build
Multimedia PC Client	Q01040429	3	PCCClient crashes PC
Multimedia PC Client	Q01043202	3	ASPC-Loc: MCP3.0 Submit the German online help of C++ PC client
Multimedia PC Client	Q01045260	3	CIVO:MCS5200 build3.0.15: SaskTel: Getting error on C++ client in CD Mode.....
Multimedia PC Client	Q01045865	3	MCP-30FF-P3-PCC: SMC Loadbuild process needs to incorporate msxml3 hotfix
Multimedia PC Client	Q01046754	3	MCP3.0-P3: PC Client does not remember its location and size after a restart
Multimedia PC Client	Q01046852	3	CIVO: MCS 5200 3.0: PC Client always on top could obscure secondary windows
Multimedia PC Client	Q01046959	3	MCS3.0-P3: Can't control headset speaker volume with Mobile USB Headset Adapter
Multimedia PC Client	Q01054392	3	MCP-3.0-P3-PCC: Multiple IM windows if recipient name is uppercase
Multimedia PC Client	Q01057310	3	ASPC-Loc: MCP3.0 Update Properties & Skin files of SMC for fr,de,ja,zh,zh_CN
Multimedia PC Client	Q01058789	3	MCP3.0 App hangs when downloading picture times out while editing contact
Multimedia PC Client	Q01060502	3	CIVO:ISMCS:3.0 - Customer Presence State Notes
Multimedia PC Client	Q01063101	3	CIVO:ISMCS:3.0 Error in French Translation
Multimedia PC Client	Q00997846-01	3	CIVO MCS 4.0: C++ Client not remove old version of Java 2.0 components
Multimedia PC Client	Q01065075	3	CIVO:MCS3.0.16;PCC build 3.0.253: Sasktel custom client will not save call logs.
Multimedia PC Client	Q01066050	3	CIVO:ISMCS:3.0 - ASU should prompt to install.
Multimedia PC Client	Q01066876	3	MCP3.0 Firewall timer dropdown too small in French
Multimedia PC Client	Q01067215	3	MCP-30FF-P3-PCC: Audio Device Selection non-functional on SMC
Multimedia PC Client	Q01070746	3	CIVO MCS 3.0: PCC Window resize not saved after exit
Multimedia PC Client	Q01070987	3	ShawCable:3.0.16 customer request to build customized skin to C++ client3.0.319.
Multimedia PC Client	Q01070988	3	CIVO MCS 3.0:C++ distinctive ring wav file for user in directory case sensitive
Multimedia PC Client	Q01072025	3	CIVO MCS 3.0: C++ PCC Need to have Echo Reducer slide bar removed
Multimedia PC Client	Q01068263-01	3	MCS3.0 2nd regr P3: Abnormal behavior when clipbrd transfer is stopped
Multimedia PC Client	Q01079745	3	MCP-30FF-P3-PCC: PCC whomps Prov via AddrBook and ServicePackage
Multimedia PC Client	Q01039179-02	3	MCP3.0_P3:improper error message is shown based on 503 error message
Multimedia PC Client	Q01081806-01	3	MCP3.0-P3-emoticons hides behind the IM window.
Multimedia PC Client	Q01087429	3	CIVO:ISMCS:3.0 - Dial Pad Window does not appear
Multimedia PC Client	Q00665515	4	IMS2.0: Acct: sessionName needs to be identical in all clients
Multimedia PC Client	Q00759664-01	4	PROP: MCS5200:build247:Sasktel:Test Case Failure:Text/Characters in PCC Address
Multimedia PC Client	Q00890849-01	4	PROP: MCS 2.0:PC Client Web Push with long URL stretches dialogue Yes prompt hid
Multimedia PC Client	Q00924682	4	MCP 3.0 regr P3: Registration expire time not modifiable
Multimedia PC Client	Q00915662-01	4	Prop to 3.0: MCS 5200 2.0: Unable to do Auto-web push.
Multimedia PC Client	Q00942970	4	MCP3.0-P4-PCC++ EXIT performs illegal operation; forced to reboot pc
Multimedia PC Client	Q00957242	4	MCP3.0FF-P4:'Busy' is not shown when user sends IMs to a 'DND' user
Multimedia PC Client	Q01017648	4	MCS5200:3.0.15:CNC_JN:"Click to Call" failed between 2 PSTN users
Multimedia PC Client	Q01023668	4	MCP3.0_P4:SIP addr in the 'Recent' list on IM window always get focus
Multimedia PC Client	Q01029327	4	Polycom Interop problem UDP packet size sent to MCU is greater than 1500
Multimedia PC Client	Q01030512	4	CIVO:ISMCS:3.0: File Transfer fails between R2 and R2 C++ clients
Multimedia PC Client	Q01067812	4	CIVO: MCS5200: Build 3.0.16: Address book entries different between PA and PCC
Multimedia PC Client	Q01070327	4	MCP 3.0 newBanner.bmp is not used in Information and Options installer dialogs
Multimedia PC Client	Q01072925	4	MCP-30FF-P4-PCC: Bad String ID in Chinese Properties
Multimedia PC Client	Q01083241	4	MCP3.0 Installer should only prompt for reboot under certain conditions listed
Multimedia PC Client	Q01085602	4	MCP3.0 - Installation over older version always gives desktop icon regardless
Multimedia PC Client	Q00713066	5	IMS-2.0-P5: GUIs off the screen.
Multimedia Web Client	Q01043921	2	CIVO MCS 3.0: Web Client one way voice with video enable

Multimedia Web Client	Q01051364	2	BC:MCS5200:3.0.15:Toronto:Web client to web client doesn't work
Multimedia Web Client	Q01064979	2	MCS5100/5200: Windows JRE provided from web need to be 1.4.2_06
Multimedia Web Client	Q01030674	3	ASPC-Loc: MCP3.0 Submit the German online help of Web client and PA
Multimedia Web Client	Q01044148	3	ASPC-Loc: MCP3.0 Submit the Japanese online help of Web client, PA and SMC
Multimedia Web Client	Q01054053	3	ASPC-Loc: MCP3.0 Update Properties file of PA and Web for fr,de,ja,zh,zh_CN
Multimedia Web Client	Q01058071	3	ASPC-Loc: MCP3.0 Spanish Ver. Web Client/PA/SMC/i200x have completed PV cycle
Multimedia Web Client	Q01058105	3	ASPC-Loc: MCP3.0 Korean SMC/PA/WC have completed PV cycle
Multimedia Web Client	Q00757316	4	MCP-3.0-P4-CSR-standby not shutting down web client
Multimedia Web Client	Q00777494-03	4	Prop to 3.0 - 2.0 Web push permits Co-browsing when NOT on active call.
Multimedia Web Client	Q00976000-01	4	MCP 3.0 - MCS5100:CLIENT:CAN NOT CHANG THE FONT at tomen
Multimedia Web Client	Q00980654	4	ASPC-Loc: WC_chs: improper presence of some users
Multimedia Web Client	Q00986712	4	ASPC-Loc: participants number over limitation,warning message error
Music on Hold	Q01022520-01	3	MCS4.0; Music on Hold gets normalized to 0 DB, needs to be quieter
Other	Q00912011	2	CIVO:USP8.1.1.11G(ISSG):CBD is not sent from USP
Other	Q00924200	2	ISSG Documentation Required
Other	Q01077294	2	CIVO:MCS3.0:Grandstream IAD:Feature Multiple Login Restriction problems
Other	Q01083197	2	MCS:3.0.17.2: Software Pool Fails to register properly as a DSM pool
Other	Q01070321	3	"Active on The Phone" status is not displayed when two PC Clients are in use.
Other	Q01072748	3	CIVO:MCS 3.0:Time stamps in log files default to PDT when doing server restorals
Other	Q01094068	4	Setting IAD1001M's preferred codec via telnet CLI will not take effect.
Personal Agent	Q01060926	2	CIVO:MCS3.0:Click to Call Fails in 3.0.16.100 With 487 Message
Personal Agent	Q01079624	2	GNPS MCS5200 3.0.15 : Automatic Identification functionality in Unified Comms
Personal Agent	Q01087627	3	MCP-3.OFF-P3-FEAT:CRBT route function may be impaired by other route in the list
Provisioning Client	Q01054922	2	CIVO:MCS 3.0: Domain default values fail to be set when adding a new user
Provisioning Client	Q01018368	3	CIVO:ISMCS:3.0_LIST USERS NOT FINDING ALIAS
Provisioning Client	Q01023462	3	CIVO:MCS3.0:build3.0.12:SaskTel:Able to delete services assigned to service pkg
Provisioning Client	Q01039889	3	MCP3.OFF - Feature: Add CLI Whitelist Does not Allow More Than 18 Digits
Provisioning Client	Q01044286	3	MCS 5200 3.0: All the users in the domain are not listed properly
Provisioning Client	Q01018368-01	3	CIVO:ISMCS:3.0_LIST USERS NOT FINDING ALIAS
Provisioning Client	Q01018368-02	3	CIVO:ISMCS:3.0_LIST USERS NOT FINDING ALIAS
Provisioning Client	Q01009847-01	3	MCS3.0-Regr-P3:"MCS Users" field can not be syncd with LDAP completely
Provisioning Client	Q00955698-01	4	MCS-4.0-P4-LG001S-3.0v1.4: PROV: Can't customize svc pkg for subdomain user
Provisioning Client	Q01022867	4	MCP3.0_P4:Exception occurs when add same parameter value for MLR service
Provisioning Client	Q01022881	4	MCP3.0_P4:Prov can't deal with large number for MLR parameter priority properly
Provisioning Manager	Q01025619	2	CIVO:MCS 3.0: Parent Domain name change does not get propagated to sub domains
Provisioning Manager	Q01026324	2	CIVO: MCS 3.0: QOS user gets 1-way voice path
Provisioning Manager	Q01054246	2	MCS5200:3.0.15: Customers unable to use the CALL ROUTE Feature on PA
Provisioning Manager	Q01068376	2	MCP3.0.17-P2-Sanity: Domains cannot be deleted or modified on Provisioning page
Provisioning Manager	Q01025619-01	2	CIVO:MCS 4.0: Parent Domain name change does not get propagated to sub domains
Provisioning Manager	Q01025619-02	2	CIVO:MCS 9.0: Parent Domain name change does not get propagated to sub domains
Provisioning Manager	Q01080108	2	MCS 3.0: PROV exception when changing parameters of a Sip or Private Route
Provisioning Manager	Q01080524	2	Seednet: MCS3.0.15: OPI: Error Code "004005" returned sometimes
Provisioning Manager	Q01049726-02	2	MCP-3.0-P2-TRAFFIC: Provisioning Manager runs out of memory during OPI traffic
Provisioning Manager	Q01042786-01	2	CloneCR for 4.0, 9.0 TrunkGroup Change causes route order change.
Provisioning Manager	Q01088477	2	MCP3.OFF-P2-FEAT:CRBT in sub domain available when recalling it from root domain
Provisioning Manager	Q01088581	2	MCP-3.OFF-P2-FEAT:exceptions occur on Web server as saving some routes
Provisioning Manager	Q01088597	2	MCP-3.OFF-P2-FEAT:some routes impede OPI's function to get user's routes

Provisioning Manager	Q00923224	3	MCS3.0 Build 325 Invalid Characters in User Name result blocks PSTN call
Provisioning Manager	Q00946107	3	MCS 4.0 Number Qualifier should not be provisionable for CS2K route
Provisioning Manager	Q01021805	3	MCS30:MGMt Web Major Alarm "Inconsistent data in resource usage" Domain(s)"
Provisioning Manager	Q01018997-01	3	CIVO: MCS 5200 3.0: Boss Sec- Wrong call presentation when in Assistant's
Provisioning Manager	Q01059502	3	MCS P3 3.0 Prov: Need to add support for SN08 CS2K gateways
Provisioning Manager	Q01045260-01	3	CIVO:MCS5200 build3.0.15: SaskTel: Getting error on C++ client in CD Mode.....
Provisioning Manager	Q01039125-02	3	CIVO:ISMCS:3.0 Unable to Retrieve Service Package
Provisioning Manager	Q01061014-01	3	[Prop 4.0] MCS3.0: Exception at prov when attempting to add ANI to subdomain ERL
Provisioning Manager	Q01067177	3	CIVO:MCS3.0.8:Prov can delete a subdomain's in use service package
Provisioning Manager	Q01039125-03	3	CIVO:ISMCS:3.0 Unable to Retrieve Service Package
Provisioning Manager	Q00923224-02	3	MCS9.0 [Prop 9.0] Invalid Characters in User Name result blocks PSTN call
Provisioning Manager	Q00923224-01	3	MCS4.0 [Prop 4.0] Invalid Characters in User Name result blocks PSTN call
Provisioning Manager	Q01071782-01	3	[Prop 3.0] MCP 4.0: Messages.Properties has duplicate messages.
Provisioning Manager	Q01090201	3	MCP3.0FF-P3: BPT InvalidDataExceptions occurring on prov client
Provisioning Manager	Q01087566	4	MCP-3.0FF-P4-FEAT: Help information for CRBT OPIs in BPT is wrong.
Provisioning Manager	Q01090227	4	MCP3.0FF-P4: BPT Contact next level of support errors in prov logs
Provisioning Server	Q00948310-01	4	MCP4.0: Incorrect Spelling on Translations Tool Results Page
RTP Media Portal	Q01018136	2	CIVO:MCS5200 3.0:MgmtConsole alarm problems for RTP host card LAN loss
RTP Media Portal	Q01065245	2	MCS:3.0.17 CTXTMgr Context Error
RTP Media Portal	Q00929619	3	CIVO: MCS 5200 3.0: Appsvr clears MJ 105 Lost connection
RTP Media Portal	Q01030495-01	3	MCP3.0 Rapid Re-Entry into the available Media Portal Resource Pool
RTP Media Portal	Q01070990	3	CIVO:ims3.0 RTP Media Portal patch install fails
RTP Media Portal	Q00929619-01	3	CIVO: MCS 5200 3.0: Appsvr clears MJ 105 Lost connection
RTP Media Portal	Q01085204	3	MCS3.0 MP sends 'forced' instead of 'disconnected' for more than one sesm
RTP Media Portal	Q00929619-02	3	CIVO: MCS 5200 3.0: Appsvr clears MJ 105 Lost connection
RTP Media Portal	Q00968793-01	4	MCP-3.0-P4-I&C: RTP Portal alarm incorrectly reporting blades out of svc
SIP Application Server	Q01050601	2	MCS5200_2.0_Accounting: Field Populating Bug in MCS Billing Record
SIP Application Server	Q01056445	3	MCS-3.0-P2-Bill:CHT some billing record lack some fragment with 407 error code
SIP Application Server	Q01056445-01	3	[prop 4.0] MCS-3.0-P2-Bill:CHT some billing record lack some fragment with 407
SIP Messaging Framework	Q00919272	3	MCP3.0-P3: IPCM should handle 420 more robust w/unsupported option-tag in ReqHdr
SIP-H.323 Gateway	Q00950706	3	MCP3.0-Sanity-P3-Session Manager: Calls to H.323 GK Fail
Session Manager	Q00912524	2	MCP3.0-P2: Critical Alarm was raised for table IMWatchers Cache
Session Manager	Q00957795-01	2	MCS3.0- P2 - A user on non-homed CP-VMS server cannot retrieve his voicemail
Session Manager	Q00996660	2	SN07Plus: MCS i2004 (NGSS) -> BCM(CFDA) -> M1 has no speech path
Session Manager	Q01022128	2	CWIDC MCP3.0: ipDialog with MOH can not answer the CT call from MX1104 properly
Session Manager	Q01029236	2	MCS3.0; C2C to a PSTN phone that is forwarded to VM gets the wrong VM
Session Manager	Q01034040	2	CIVO:SN07:PT-IP Bell iTech CDII C2C Failures to PSTN LOCAL / ISDNLCL Treatments
Session Manager	Q01031941-01	2	[Prop 4.0] MCP-3.0-P3: Max Retransmissions for HKBBN
Session Manager	Q01027173-01	2	[MCS4.0 Prop]MCS3.0.14; Callers blocking their name/number gets CDII voice mail
Session Manager	Q01027173-02	2	[SN9.0 Prop]MCS3.0.14; Callers blocking their name/number gets CDII voice mail
Session Manager	Q01029236-01	2	[prop 4.0] MCS3.0; C2C to a PSTN phone that is forwarded to VM gets the wrong VM
Session Manager	Q01040898-01	2	[prop 4.0] CIVO:SN07:PT-IP Bell iTech Wrong party billed CDII->MCS->interdomai
Session Manager	Q01047583	2	MCS-3.0-P2-SM: Telephony Translations broken on AppSvr
Session Manager	Q01041320-01	2	[Prop 4.0] CIVO: MCS 5200 3.0: Calling party number not Restricted when
Session Manager	Q01054592-01	2	[Prop 4.0] MCS 3.0: CD user with cs2k pad c2c to cs2k lost location for portal
Session Manager	Q01066189	2	CIVO:MCS 5200 Rel 3.0.12 MAS Meetme mas Disconnectiong caller
Session Manager	Q01069509	2	3.0.17:Sanity:IMS29547: CD2 C2C to SIP PCClient. Video not working first time

Session Manager	Q01069509-01	2	MCS4.0: CD2 C2C to SIP PCClient. Video not working first time
Session Manager	Q01069509-02	2	MCS09: CD2 C2C to SIP PCClient. Video not working first time
Session Manager	Q01075198	2	MCS 3.0: Intersystem call from i2000 returns forbidden
Session Manager	Q01066162-01	2	MCP-3.0-P2-RUT: Session Manager Throws SWERs under traffic with congestion
Session Manager	Q01051182-01	2	[Prop] MCP-3.0-P2: gwy calls do not get proper route list domain action treatment
Session Manager	Q01069505-02	2	MCS4.0: CD2 C2C to SIP PCClient. IM not working properly
Session Manager	Q01077223	2	CIVO: MCS 3.0: Connected Name Display on the MCS
Session Manager	Q01061379-01	2	[Prop3.0]MCP3.0-P2:Boss Ad Hoc Conf Call to 2K Lines & 2K PRI Trk Fails
Session Manager	Q01079124	2	CIVO: MCS5200 build30.17:SaskTel: Call forward Name display does not display....
Session Manager	Q00989590-01	2	MCP4.0 - Prop 3.0FF FTR390 - GW behind NAT to 4.0
Session Manager	Q01082913	2	MCS 3.0: Transfer with double redirect to a gw has incorrect redirect hdr
Session Manager	Q01077223-01	2	[Prop 4.0]CIVO: MCS 3.0: Connected Name Display on the MCS
Session Manager	Q01077223-02	2	[Prop 9.0]CIVO: MCS 3.0: Connected Name Display on the MCS
Session Manager	Q01047583-01	2	[prop 4.0] MCS-3.0-P2-SM: Telephony Translations broken on AppSvr
Session Manager	Q01082913-01	2	[Prop 4]MCS 3.0:Transfer with double redirect to a gw has incorrect redirect hdr
Session Manager	Q01088462	2	MCP-3.0FF-P2-FEAT:other routes' CRBT is blocked by the first route's in the list
Session Manager	Q01074680-01	2	MCS-4.0-P2-TRAFFIC: Hung Context Blocks seen after 72 Hour Traffic Soak
Session Manager	Q01089190	2	[MCS4.0 Prop] MCS3.0.17: Expire value too short for service subscription
Session Manager	Q01089276	2	MCP-3.0FF-P2-FEAT:treatment for 487 is impaired by CRBT
Session Manager	Q01092910-01	2	[Prop 4.0] MCS3.0.18 Sanity. TC IMS50425 Fails.
Session Manager	Q01096582	2	Ringback codec not negotiated for slow start holds
Session Manager	Q00835479	3	MCP3.0-P3: AppSvr returns CANCEL not include 'Route' Hdr presented in INVITE Req
Session Manager	Q00839296	3	MCP3.0-P3:AppSvr not place the aggregating multi challenges into single response
Session Manager	Q00854032-01	3	MCP-4.0-P3: no 500 resp for privacy=session & Ignore MediaPortal enabled
Session Manager	Q00886165	3	Boss-Sec: msg-deposit servicename change to transfertovm
Session Manager	Q00900398	3	3.0 Techtrial: Parked Call Clearing
Session Manager	Q00923601	3	MCP3.0-P3:AppSvr does not support loose routing
Session Manager	Q00935748-01	3	MCP 3.0 P3: Add support of translating GW routes into subscriber
Session Manager	Q00954436-01	3	MCP4.0-P2-SANITY: Notify exception thrown when trying to send CallPilot MWI
Session Manager	Q00976424-01	3	MCP3.0-P3-CPL route with IM characters blocking call completion
Session Manager	Q01009841	3	MCP4.0-P3 allow dynamic provision of authorized methods from mngmnt console
Session Manager	Q00999709-01	3	MCP4.0: Null location in E911 call to gateway
Session Manager	Q01037720	3	CIVO:MCS3.0: Server Internal Error when symbol '>' is used in a route definition
Session Manager	Q01048620	3	MCP4.0-P3-4.0 xferring 3.0 user to 4.0 voicemail attempts to use 3.0 MAS server
Session Manager	Q01061696	3	CNCSH_MCS5200_3.0_Appr: The user couldn't register into the system
Session Manager	Q01062132	3	CIVO MCS3.0:Sequential Call from Foriegn Domain Fails roll to UnComm Voicemail
Session Manager	Q01048620-01	3	[Prop4.0] MCS xferring 3.0 user to 4.0 voicemail attempts to use 3.0 MAS server
Session Manager	Q01029014-01	3	MCP3.0-P3-Sanity: SESM Swer "Attempt to add an RUField with a null String"
Session Manager	Q01070843-01	3	[Prop 3.0]MCP4.0-P3-Exception in building the Cancel to Request
Session Manager	Q01085730	3	MCP-3.0 - CRBT interworking with CS2K originations do not work
Session Manager	Q01088560	3	MCP-3.0FF-P3-FEAT:treatment for busy can't be played for CRBT seq ring
Session Manager	Q00845941	4	MCS-3.0-P4: PA route w/ maddr from TT to design lab
Session Manager	Q00926322	4	MCP3.0-P4:AppSvr not strip off x-nt-party-id:null hdr when Privacy:user enabled
Session Manager	Q00929714	4	CIVO: MCS 5200 3.0: USP not supporting PC/SSN routing
Session Manager	Q00929724	4	CIVO: MCS 5200 3.0: USP SIP link Call capacity issue
Session Manager	Q00929727	4	CIVO: MCS 5200 3.0: USP response message has Calling
Solaris Platform	Q01063353	2	MCS5200: iPlanet Web Server Down

Solaris Platform	Q01078039	3	CIVO:ISMCS:3.0: Needing Clarity on the Release Notes for MCP 3.0.17
Standard Datafill	Q01084521	2	Datafill - 3.0 n240 Lab Traffic Datafill Needed
System Management GUI	Q01052346	2	MCS5200: Rel 3.0.15: Loss of M2K .ini parms when upgrade via mgmt console
System Management GUI	Q01069682	2	CIVO:MCS 3.0: Power Supply failures on SUN N240s
System Management GUI	Q01085816	2	MCS5100 2.0 to 3.0 Upgrade:Processes not coming up on Mgmt2/Acctl after failover
System Management GUI	Q00999551	3	MCP4.0:Server can be added more than its licensed
System Management GUI	Q01043042	3	CIVO:MCS 3.0: misleadin error msg received on mgmt console when modifying PRI gw
System Management GUI	Q01031554	4	MCS-4.0-P4: Sys Mgmt Console windows need to default to show entire load name
System Management GUI	Q00887079	5	MCP3.0: FTR318 No Gui message or Log generated when invalid LKY applied
System Manager	Q01021700	3	MCS-3.0-P2-POAMF:CHT OM browser fail to count SIPInitiated and SIPReceived
System Manager	Q01060374	3	Seednet: MCS3.0: SIP App Processed transaction number in Trace log not match OM
Unified Communications	Q01068458	2	CIVO: MCS 5200 MAS Voicemail Email not automatically deleting Voicemails
Unified Communications	Q01072649	2	MCS 5200 Voice Mail Queue dies after 20-second message
Unified Communications	Q01033670	3	MCS3.0 - P3 - MAS/IPCM send back a 413 in response to NOTIFY
Unified Communications	Q01023394	4	CIVO: MCS 3.0: UC Usage Reports No Longer Work in the Prov Client
Unified Communications	Q00857850	5	MCP-3.0-P5: UC PA allows AutoID addr = current mailbox ID but it doesn't work
Vegastream	Q01071444	3	MCS5100: Rel3.0.14:Build 522: Meet Me Conf. Low Audio Level
Web Client Manager	Q00852114	5	MCP3.0_P5:it is better for user to download JRE from his web server directly
i2004 Internet Telephone	Q01060905	2	CIVO:MCS3.0:Tech Trial Rejects All Foreign Domain i2004 SIP Address Originations
i2004 Internet Telephone	Q00947470-01	2	CWIDC MCP3.0: exhaust Ado-hoc conferece port.
i2004 Internet Telephone	Q01019220-01	2	CIVO:ISMCS:3.0: C++ client not patient enough to find i2004 in raider mode
i2004 Internet Telephone	Q01069605	2	CIVO:MCS3.0: Phase 2 i200x sets firmware 0604D61 hangs at "Start DHCP"
i2004 Internet Telephone	Q01088902	2	CIVO:MCS3.0: Phase 2 i200x sets firmware 0604D61 hangs at "Start DHCP"
i2004 Internet Telephone	Q01050113-02	3	MCS-9.0-P3: IPCM playing tone continously after receiving multiple IMs
i2004 Internet Telephone	Q00920266	4	MCP-3.0-P3-CSR: Term. Hears Short Burst of Music - Changing i200x Audio Settings