



**Media Processing Server
Release Notes**
(Software Release 2.1 Patch Bundle 11)

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Preface

Scope

The *Nortel Networks Media Processing Server Release Notes* provides a summary of software issues, new, changed and discontinued features, and required patches for the Nortel Networks Media Processing Server (MPS).

Beginning with patch bundle 11, this document contains information for the newest patch bundle (patch bundle 11) and previous patch bundle releases.

Intended Audience

This guide assumes that the user has completed an on-site system familiarization training program conducted as part of the initial system installation. In addition, they should be familiar with other site-specific operating procedures relating to the MPS that are due to specific application functions performed by the MPS and with any other equipment to which the MPS is connected. Basic knowledge of the Solaris and/or Windows 2000 operating systems is also assumed.

How to Use This Manual

This manual uses many standard terms relating to computer systems, software application functions, and the Internet. However, it contains some terminology that can be explained only in the context of the MPS. Refer to the *Glossary of MPS Terminology* for definitions of MPS specific terms.

Read this document from start to finish at least once. When you are familiar with the document, you can use the Table of Contents to locate topics of interest for reference and review.

If you are reading this document online, use the cross-reference links (shown in [blue](#)) to quickly locate related topics. Position your cursor over the cross-reference link and click once. Click any point in a Table of Contents entry to move to that topic. Click the page number of any Index entry to access that topic page.

To familiarize with various specialized textual references within the manual, see [Conventions Used in This Manual on page 9](#).



Periphonics is part of Nortel Networks. The name Periphonics, and variations thereof, appear in this manual only in reference to a product (for example, a PeriProducer application, the PERImps package, the **perirev** command, and so on).

Organization of This Manual

Chapter 1 — MPS Patch Requirements

This chapter describes the minimum software patch requirements for MPS 2.1 systems.

Chapter 2 — Installing Patch Bundle 11

This chapter describes the installation prerequisites and process for the patch bundle.

Chapter 3 — Updates to MPS 2.1

This chapter describes what is new in patch bundle 11, unsupported features and commands, and changed features or commands.

Chapter 4 — MPS 2.1 Known Issues

This chapter describes the known issues and solutions for MPS 2.1 patch bundle 11.

Chapter 5 — Enhancements and Issues Addressed in the Patch Bundle

This chapter describes the issues resolved with MPS 2.1 patch bundle 11, and the specific patch that addresses each issue.





Conventions Used in This Manual

This manual uses different fonts and symbols to differentiate between document elements and types of information. These conventions are summarized in the following table.

Conventions Used in This Manual Sheet 1 of 2

Notation	Description
Normal text	Normal text font is used for most of the document.
<i>important term</i>	The Italics font introduces new terms, highlights meaningful words or phrases, or distinguishes specific terms from nearby text.
system command	This font indicates a system command or its arguments. Enter such keywords exactly as shown (that is, do not fill in your own values).
command, condition and alarm	Command, Condition and Alarm references appear on the screen in magenta text and reference the <i>Command Reference Manual</i> , the <i>PeriProducer User's Guide</i> , or the <i>Alarm Reference Manual</i> , respectively. Refer to these documents for detailed information about Commands , Conditions , and Alarms .
file name / directory	This font highlights the names of disk directories, files, and extensions for file names. It also shows what is displayed on a text-based screen (for example, to show the contents of a file).

Conventions Used in This Manual Sheet 2 of 2

Notation	Description
on-screen field	This font indicates field labels, on-screen menu buttons, and action buttons.
<KEY NAME>	A term that appears within angled brackets denotes a terminal keyboard key, a telephone keypad button, or a system mouse button.
<i>Book Reference</i>	This font indicates the names of other publications referenced within the document.
cross-reference	A cross-reference appears on the screen in blue. Click the cross-reference to access the referenced location. A cross-reference that refers to a section name accesses the first page of that section.
	The Note icon identifies notes, important facts, and other keys to understanding.
	The Caution icon identifies procedures or events that require special attention. The icon indicates a warning that serious problems may arise if the stated instructions are not followed implicitly.
	The flying Window icon identifies procedures or events that apply to the Windows 2000 operating system only. ¹
	The Solaris icon identifies procedures or events that apply to the Solaris operating system only. ²

1. Windows 2000 and the flying Window logo are either trademarks or registered trademarks of the Microsoft Corporation.
2. Solaris is a trademark or registered trademark of Sun Microsystems, Inc. in the United States and other countries.

Solaris and Windows 2000 Conventions

This manual depicts examples (command line syntax, configuration files, and screen shots) in Solaris format. Windows 2000 specific commands, procedures, or screen shots are shown when required. The following table lists general operating system conventions used with either the Solaris or Windows 2000 operating system.

	Solaris	Windows 2000
Environment	\$MPSHOME	%MPSHOME%
Paths	\$MPSHOME/common/etc	%MPSHOME%\common\etc
Command	<command> &	start /b <command>

Trademark Conventions

The following trademark information is presented here and applies throughout for third party products discussed within this manual. Trademarking information is not repeated hereafter.

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1

MPS Patch Requirements

This chapter covers:

1. Minimum Software Patch Requirements
2. Supported operating systems

Minimum Software Patch Requirements

This chapter describes the minimum software patch requirements for MPS 2.1 systems.

MPS 2.1 Patch Bundle 11 is required for all MPS 2.1 systems (AP, Speech Servers and Workstation nodes).

MPS 2.1 Solaris Patch Bundle Additions

For MPS 2.1 Solaris APs, the following additional patches must be installed on top of MPS 2.1 base packages with Patch bundle 11.

- rdb2.0.18
- tms1.3.0.49

MPS 2.1 Windows Patch Bundle Additions

For MPS 2.1 Windows APs, the following additional patches must be installed on top of MPS 2.1 base packages with Patch bundle 11.

- tms1.3.0.49

Latest available patches on Nortel ESPL site

The following procedure describes how to locate and download the latest available patches from the Nortel Enterprise Solutions PEP Library (ESPL).

1. Go to <http://www.nortel.com/espl>.
2. Login with User ID and Password.
3. On the Enterprise Solutions PEP Library (ESPL) login page, select Click Here.
4. Below MultiMedia PEP Tools and to the right of MultiMedia PEP Search, select Click Here.
5. From the Product menu, select MPS, then select Search.
6. Download the required patches.

Supported operating systems

MPS 2.1 is supported on the following operating systems:

- Solaris 8
- Windows 2000

Speech Server is supported on the following operating systems:

- Windows 2000 and 2003

Nortel Speech Software Integration Package Updates

Speech Server resources are products of third party vendors. Each speech resource requires that you install:

- Software that originates from Nortel
- Software that originates from the vendor which contains the speech recognition or synthesis resource. Vendor-specific patches are installed with the vendor software on the Speech Server node.

For more information, refer to the section *Speech Server Software* in the *Nortel Media Processing Server 2.1 Series Speech Server 6.0.1 Installation Guide and Release Notes*.

Patch bundles, patch bundle pbadditions and patches contain software to upgrade the existing software installed on the Speech Server node. For information about installing patch software on a Speech Server, refer to the section *Step 3 — Install Nortel Patch Software* in the *Nortel Media Processing Server 2.1 Series Speech Server 6.0.1 Installation Guide and Release Notes*.

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2

Installing Patch Bundle 11

This chapter covers:

- 1. Installing Patch Bundle 11**
- 2. Verifying the Patch Bundle Installation**

Installing Patch Bundle 11

Patch bundle 11 can be installed on a Solaris MPS AP, Windows MPS AP, Speech Server and all MPS workstations.

Requirements

Before you install patch bundle 11, ensure the following requirements are met.

- Ensure that the person installing the patch bundle is familiar with the MPS and the patching process.
- Nortel recommends that the patch bundle is installed on production system in a scheduled maintenance window and all APs in the system or group (that is, all MPS components and TMSs and NICs in the tms.cfg file) must be at the same perirev level.
- Execute the Nortel patchprepatch program on the system prior to installing the patch bundle. Any issues must be resolved before installing the patch bundle.
- If you are installing the patch bundle in an N+1 environment, see [Installing the Patch Bundle in an N+1 Environment](#) on page 21.
- For an MPS 1000 system, see [MPS 1000 AP NIC ATM Configuration](#) on page 25 for the tmscomm component vos.cfg file configuration in an ATM/Non-ATM environment.
- The installation procedure assumes that the patch bundle is already staged on the system to be patched.
- Obtain the users `peri` and `root` passwords for Solaris nodes and the `Administrator` password for a Windows node from the customer.

Installing Patch Bundle 11 on a Solaris MPS AP or Workstation

Before you begin installing patch bundle 11 on a Solaris MPS AP or Workstation, do the following:

1. Logon to the system as `peri`.
2. Change to the root user, enter the command `su - root`
3. Enter the command `csch`.
4. Set the source to `/etc/vpsrc.csh`.
5. Change directory to the directory where patch bundle 11 is located.
6. Run the patchprecheck program by entering `./patchprecheck`. The patchprecheck checks the system for items that may cause the MPS patch bundle installation to fail such as:
 - Perl version.
 - Checks if any MPS services are running.
 - MPSHOME/VPSHOME environment variable.
 - Checks if any MPS processes are running.
7. Before proceeding further, ensure that any issues found by patchprecheck are resolved.

Installation

Use the following steps to install patch bundle 11 on a Solaris MPS AP.

1. Ensure patch bundle11 is located in the `pwd` directory.
2. Enter the command `./peripatch` to begin the patch installation.

This step should take 10 to 15 minutes. Check the screen output for anything that says `failed` or `exited` when the script ends. Inform GNPS of any failures.

3. Verify that the patch bundle installation was successful. Enter the `perirev` command to view the patch level.
4. To ensure there are no previous patch bundles still listed, enter the command:

```
perirev | grep patchbundle<#>
```

where `<#>` indicates the previous patch bundle.

If patch bundle 11 is being installed on a system that has patch bundle 10 installed, then the output from `perirev | grep patchbundle10` should show nothing. If there are any earlier patch bundles listed, then the patch bundle 11 installation has failed. Do not continue if there are any patch bundle 10 entries and inform GNPS before continuing.

5. Install all available PB11 additions using the `peripatch` command. For example:

```
peripatch <pb addition patch list>
```

or

```
peripatch 'cat pbadditions'
```

Where `<pb addition patch list>` is a space separated list of patches or the `'cat pbadditions'` parameter that generates the list from a file named `pbadditions` that containing one patch name per line.

If you are prompted to install any prerelease patches, select `Yes`.

6. Install any prerelease patches using the `peripatch` command. For example:

```
peripatch <pre-release patch list>
```

where `<pre-release patch list>` is a space separated list of patches.

You will be prompted to install the prerelease patches. Select `Yes`.

7. **Reboot** the node.
8. Repeat this procedure for all APs. When complete, go to [Verifying the Patch Bundle Installation](#) on page 23.

Installing Patch Bundle 11 on a Windows MPS AP or Workstation

Before you begin installing patch bundle 11 on a Windows MPS AP, do the following:

1. Logon to the system as Administrator.
2. Change directory to the directory where patch bundle 11 is located.
3. From the command tool, run the patchprecheck program by entering **patchprecheck**. The patchprecheck checks the system for items that may cause the MPS patch bundle installation to fail such as:
 - Perl version.
 - Checks if any MPS services are running.
 - MPSHOME/VPSHOME environment variable.
 - Checks if any MPS processes are running.
4. Before proceeding further, ensure that any issues found by patchprecheck are resolved.

Installation

Use the following steps to install patch bundle 11 on a Windows MPS AP.

1. From the Explorer window, double-click the patch bundle executable.

Reboot the system if you are prompted to reboot during the installation and upgrade process. Do not skip any reboot prompts.



2. Verify that the patch bundle installation was successful. Enter the **perirev** command at a command prompt and ensure there are no previous patch bundles listed.
3. If you are prompted, reboot the system and install all available patch bundle 11 additions by double-clicking each individual patch executable.
3. **Reboot** the system.
4. Repeat this procedure for all APs, then go to [Verifying the Patch Bundle Installation](#) on page 23.

Installing Patch Bundle 11 on a Windows Speech Server

Before you begin installing patch bundle 11 on a Windows Speech Server, do the following:

1. Logon to the system as Administrator.
2. Change directory to the directory where patch bundle 11 is located.

3. From the command tool, run the patchprecheck program by entering **patchprecheck**. The patchprecheck checks the system for items that may cause the MPS patch bundle installation to fail such as:
 - Perl version.
 - Checks if any MPS services are running.
 - MPSHOME/VPSHOME environment variable.
 - Checks if any MPS processes are running.
4. Before proceeding further, ensure that any issues found by patchprecheck are resolved.

Installation

Use the following steps to install patch bundle 11 on a Windows Speech Server.

1. From the Explorer window, double-click the patch bundle executable.

Reboot the system if you are prompted to reboot during the installation and upgrade process. Do not skip any reboot prompts.



2. Verify that the patch bundle installation was successful. Enter the **perirev** command at a command prompt and ensure there are no previous patch bundles listed.
3. If you are prompted, reboot the system and install all available patch bundle 11 additions by double-clicking each individual patch executable.
4. If it is required, install speech vendor integration packages. For more information, refer to the *Nortel Media Processing Server 2.1 Series Speech Server 6.0.1 Installation Guide and Release Notes*.
3. **Reboot** the system.
5. Repeat this procedure for all Speech Servers.

Installing the Patch Bundle in an N+1 Environment

In an N+1 environment, the patch bundle installation must start with a secondary node when it is in a standby state. You must update the secondary or stand by node first and then the primary nodes. To install the patch bundle, do the following.

1. Run the patchprecheck program on the secondary node. Resolve any failures prior to moving the next step.
2. Install the patch bundle and pbadditions on the secondary node, see [Installation](#) on page 19.
3. For a Solaris system, stop SRP by entering the following command:
/etc/rc3.d/S20vps.startup stop

Stop RCD by entering the following command:

```
/etc/rc3.d/S19rcd.startup stop.
```

For a Windows system, stop Nortel MPS Service and stop Nortel RCD Service

Optionally, bring the secondary node down.

4. Run the `patchprecheck` program on the primary nodes. Resolve any failures prior to moving the next step.
5. Install the patch bundle and `pbadditions` on all the primary nodes, see [Installation on page 19](#).
6. Restart the primary nodes.
7. For MPS 500 or MPS 1000, ensure that the TMSs are running the correct images. For MPS 1000, ensure that the NICs are running the correct images.
8. **Reboot** the secondary node.

Verifying the Patch Bundle Installation

After the patch bundle is installed, you must verify that the patch bundle is installed correctly.

MPS 500 AP or MPS 1000 AP Image Reload and Verification

For an MPS 500 or MPS 1000 (Windows or Solaris) system, you must reload and verify the TMS image.

TMS Image Reload

Reload the TMS image using the **dlt>startup** command. This command must be executed for each MPS component on all the APs. After all components have been reset, wait for the SRP to enter the RUNNING state.

Optionally, TMS hardware can be physically reset.

Manual TMS Image Verification

Verify the image on each TMS. Enter the following commands at a command prompt to verify the image:

```
telnet <tms hostname or IP address> 80  
get // http (press Enter twice)
```

The output displays on the screen. Ensure that the `tms_860.elf` release number is 1.3.0.46 or higher. If you see something other than this release number, inform GNPS before continuing. For example, the release number can look like following:

```
TMS Image String: <tr><td>Build Identity</td><td align="center">tms_860.elf, Release 1.3.0.46 [11/07/06  
08:14:48 AM]</td></tr>
```

MPS 1000 AP NIC Image Reload and Verification

For an Solaris MPS 1000, you must reload and verify the NIC image.

NIC Image Reload



This section must be executed after all APs are patched.

1. Using the **vsh** command, go to the `tmscomm` component. (That is, select the `tmscomm` component in the `vsh` prompt.)
2. Enter the **ncd system** command to find primary or secondary NICs.
3. In the output of **ncd system** command, the heading **NIC (P)** indicates slot 7 and the heading **NIC(S)** indicates slot 8.
4. Reset all secondary NICs using the command **ncd nicbpsreset**

'<ch#> s <bps#> 0' where <ch#> is chassis number and <bps#> is backplane slot number.

5. Enter the reset command for both NICs in one line. For example, to set the Secondary NICs in BPS 8, enter the following:

```
Vsh>ncd nicbpsreset '1 s 8 0'; ncd nicbpsreset '2 s 8 0'
```

6. Reset all primary NICs using the command **ncd nicbpsreset '<ch#> m <bps#> 0'** where <ch#> is chassis number and <bps#> is backplane slot number.

7. Enter the reset command for both NICs in one line. For example, to set the Primary NICs in BPS 7, enter the following:

```
Vsh>ncd nicbpsreset '1 m 7 0'; ncd nicbpsreset '2 m 7 0'
```

Optionally, NICs can be physically reset by pressing the reset button on the cards. Press the secondary NIC reset button first, then the primary NIC reset button.

Manual NIC Image Verification

To verify the image on each NIC, enter the following commands at a command prompt:

```
telnet <nic hostname or IP address> 80  
get // http (press Enter twice)
```

The output displays on the screen. Ensure that the `tms_860.elf` release number is 1.3.0.46 or higher. If you see something other than this release number, inform GNPS before continuing. For example, the release number can look like following:

```
NIC Image String: <tr><td>Build Identity</td><td align="center">nic_860.elf, Release 1.3.0.46 [11/07/06 08:14:48 AM]</td></tr>
```

For MPS 1000 systems, Nortel recommends that the NIC hardware verification is done after the patch bundle installation. For information about NIC failover testing, see [MPS 1000 NIC Failover Testing on page 26](#).

Final Verification Steps



After the patch bundle is verified, do the following:

1. Verify SRP is fully up and running.
2. Make test calls to ensure that system is functioning as expected.

Optional Verification Steps

To test and verify the patch bundle installation in more detail, complete the following verification tests.

MPS 1000 AP NIC ATM Configuration

Single Chassis MPS 1000

ATM is not supported for single chassis MPS 1000 systems.

Multi-chassis MPS 1000 with ATM

A multi-chassis MPS 1000 system may be configured to support inter-chassis connections through ATM. If ATM is not required, see [Multi-chassis MPS 1000 without ATM on page 25](#).

To enable the ATM interface, each NIC ATM fiber optic cable must be connected as defined in the *MPS 1000 Hardware Installation and Maintenance Manual*.



The MPS/NIC software monitors the status of the fiber connections. Failure to connect the fiber optic cable correctly causes the software to generate alarms and the fault affects the behavior on a hardware failure.

Multi-chassis MPS 1000 without ATM

This section defines how to configure a multi-chassis MPS 1000 without ATM. The default operation of the MPS/NIC software in a multi-chassis MPS 1000 is to monitor the ATM hardware and detect loss of connection. Failure to disable the ATM monitoring feature results in unnecessary fault alarms generated by ATM software and the hardware failover and redundancy is affected by the detected fault.

The ATM monitoring software must be disabled if the customer, site or installation:

- Does not require ATM
- Does not have the ATM hardware
- Does not have the ATM fiber optic connections

Disabling ATM monitor software

Ensure that the `ncd` entry in `$MPSHOME/tmscommN/etc/vos.cfg` is set to the following for both `tmscomm` components.

```
ncd - - 0 "ncd -n"
```



SRP on both `tmscomm` component nodes and all NICs (if two chassis then all 4 NICs) must be restarted for the previous configuration to take in effect.

NCD Diagnostic Commands

The following commands can be used to interrogate various attributes of the NIC environment. Enter **ncd help <command>** at a vsh prompt for more details and command usage.

- **ncd system** - overall health of NICs
- **ncd chassisstatus** - I2C power supply and temperature information, TMS physical status
- **ncd nicbpsreset** - force the NIC reset
- **ncd nicgetsysmode** - query NIC mode
- **ncd nicconn** - list of NIC connections
- **ncd pllstatus** - get PLL status from NICs and TMSs
- **ncd pllgetrefsrc** - hardware report of A and B clock status in backplane

MPS 1000 NIC Failover Testing

NIC failover testing verifies that the arbitration hardware required for redundancy on the NIC is functional. This test must be done when SRP is running and the system is in a stable state. This test requires four resets per chassis because each chassis has two NICs and each NIC can be either Primary or Standby (Master/Slave). Once the Primary/Master NIC in a chassis is reset the Standby/Slave NIC takes control of the backplane.

The interchassis configuration clocking can be affected on each NIC reset. Any chassis that is not defined as a clock source in the sync-list section of the `tms.cfg` file is by default a clock sink. System clocking on a NIC is partitioned so that the NICs in slot 7 distribute the A clock and the NICs in Slot 8 distribute the B clock. The source chassis drives the clock to the rear-panel BNC on the chassis. The sink chassis receive this clock signal and drives it to the local backplane. If a NIC in slot 7 is reset, the A clock source is interrupted on the chain. Resetting the NIC in slot 8 interrupts the B clock. In each case, the source chassis is not affected, the source is local to the chassis. When a NIC that is driving a clock is reset, the sink chassis loses that clock. The clock recovers once the NIC reboots and stabilizes.

If the `tms.cfg` file has NIC entries for multiple chassis, it is considered a multichassis configuration. In a multichassis configuration, to support ATM independent of whether ATM is enabled or not, the primary NIC in all chassis must be in the same Backplane slot position. For example, if the primary NIC in chassis 1 slot 7 resets, the NICs in slot 8 of all chassis become the primary controllers.

Test Case	NIC Backplane Slot and mode		Results	
	NIC Slot 7 Mode	NIC Slot 8 Mode	Immediately after NIC Reset	After NIC loads and system stabilizes
Reset Primary Slot 7	Primary	Secondary	NIC Slot 8 becomes Primary Controller. A clock is affected in all sink chassis.	NIC Slot 8 remains Primary Controller. A clock is recovered in sink chassis.
Reset Secondary Slot 7	Secondary	Primary	NIC Slot 8 is still primary controller. A clock is affected in all sink chassis.	NIC Slot 8 is still primary controller. A clock is recovered in sink chassis.
Reset Primary Slot 8	Secondary	Primary	NIC Slot 7 becomes primary controller. The B clock is affected in all sink chassis.	NIC Slot 7 remains primary controller. The B clock is recovered in sink chassis.
Reset Secondary Slot 8	Primary	Secondary	NIC Slot 8 remains primary controller. The B clock is affected in all sink chassis.	NIC Slot 8 remains primary controller. The B clock is recovered in sink chassis.



If all SRP processes are not up or Spans are in an alarm state, there can be adverse effects on this series of tests.

To verify that the NICs and NCD are in a stable state, do the following.

- From the `TMScomm.#` component in a VSH, enter the `ncd system` command to verify:
 - number of chassis in system
 - TMSs are available
 - which NICs are master/slave (should match LED observations)
 - clock status (may see errors if TMSs aren't up yet)

The following output contains a truncated sample of the `ncd system` command. The `DTC INFORMATION` section of this report indicates the availability and status of the NICs. The heading `NIC (P)` indicates slot 7 and the heading `NIC (S)` indicates slot 8. In this sample report, NICs in slot 7 are primary/master controllers.

```
vsh#tmscomm.2,vos/MPSAP1-a {13} -> ncd system
```

Please Wait. This command will take a few seconds to acquire and format data.

```
vsh#tmscomm.2,vos/MPSAP1-a {14} ->
```

```
DTC INFORMATION
=====
```

Media Processing Server Release Notes

CH	BPS1	BPS2	BPS3	BPS4	NIC (P)	NIC (S)	PriClk	SecClk
1	Avail	Avail	NA (NE)	NA (NE)	Mstr	Slv	ClkA	ClkB
2	Avail	Avail	NA (NE)	NA (NE)	Mstr	Slv	ClkA	ClkB

2. Enter the **ncd chassis** command to verify:

- power and voltage
- current temperature
- mated/not-mated status
- watchdog pass/fail status

Before and after each test, observe the following:

1. Observe current state of NIC LEDs NARB, ONARB, VC0, VC1, OVC0, and OVC1. The LEDs have labels that are printed on the board next to the LED.
2. Check **ncd** commands and compare the results to current LED status.
3. On the NIC card, there are three banks of four red LEDs. The second bank contains the following LEDs, from top to bottom:
 - AVLID - Clock rail A has a valid signal.
 - BVLID - Clock rail B has a valid signal.
 - NARB - Current NICs Ethernet arbitration bit
 - ONARB - Other NICs Ethernet arbitration bit

One NIC should have the NARB on and ONARB off. The other NIC should have NARB off and ONARB on.

4. The third bank of LEDs contains the following LEDs, from top to bottom:

LEDs	Master NIC LEDs	Slave NIC LEDs	Single NIC LEDs (Master without Slave)
NVC1	OFF	ON	OFF
NVC0	ON	OFF	ON
ONVC1	ON	OFF	OFF
ONVC0	OFF	ON	OFF

When operating properly as a redundant pair, the master NIC has NVC0 and ONVC1 on, and the slave NIC will have NVC1 and ONVC0 on as shown in the previous table.

The **ncd system** and **ncd chassis** commands must be executed from the primary tmscomm component. If you see a message stating NCD System (Comp #1) is not in MASTER READY state. Please issue command later, change your vsh to the other tmscomm component.

Physical NIC Failover Testing

For NIC failover testing, do the following on chassis 1:

1. Reset the Primary controller in chassis 1. This should cause secondary controllers to become primary.

For example: If chassis 1 slot 7 NIC was the primary controller, resetting it causes chassis 1 slot 8 NIC to become the primary (master). In multichassis systems, NICs in the other chassis slot 8 becomes primary (master).

2. Reset the Secondary controller in chassis 1. There should be no change in the primary controller of any chassis.

For example: If chassis 1 slot 7 NIC was the secondary controller, resetting it causes the chassis 1 slot 7 NIC to reload. The rest of the NICs should remain in the same state.

3. Reset the Primary controller in chassis 1. This causes the secondary controllers to become primary.

For example: If chassis 1 slot 8 NIC was the primary controller, resetting it causes chassis 1 slot 7 NIC to become primary (master). In multichassis system, NICs in the other chassis slot 7 become primary (master).

4. Reset the Secondary controller in chassis 1. There should be no change in the primary controller of any chassis.

For example: If chassis 1 slot 8 NIC was the secondary controller, resetting it causes the chassis 1 slot 8 NIC to reload. The rest of the NICs should remain in the same state.

On chassis 2, do the following:

1. Reset the Primary controller in chassis 2. This should cause secondary controllers to become primary.

For example: If chassis 2 slot 7 NIC was the primary controller, resetting it causes the chassis 2 slot 8 NIC to become primary (master). In a multichassis system, the NICs in the other chassis slot 8 become primary (master).

2. Reset the Secondary controller in chassis 2. There should be no change in the primary controller of any chassis.

For example: If chassis 2 slot 7 NIC was the secondary controller, resetting it causes the chassis 2 slot 7 NIC to reload. The rest of the NICs should remain in the same state.

3. Reset the Primary controller in chassis 2. This should cause secondary controllers to become primary.

For example: If chassis 2 slot 8 NIC was the primary controller, resetting it causes chassis 2 slot 7 NIC to become primary (master). In a multichassis system, the NICs in the other chassis slot 7 become primary (master).

4. Reset the Secondary controller in chassis 2. There should be no change in the primary controller of any chassis.

For example: If chassis 2 slot 8 NIC was the secondary controller, resetting it causes the chassis 2 slot 8 NIC to reload. The rest of the NICs should remain in the same state.

Software NIC Failover Testing

You can optionally perform software NIC failover testing by doing the following.



All **ncd** commands can only be executed from the **tmscomm** component. If you are on chassis 1, enter **vsh -C#tmscomm.1** to get a vsh prompt. If you are on chassis 2, type **vsh -C#tmscomm.2**.

1. At a vsh prompt, enter the command **ncd system** to obtain the slot of master NIC.
2. Enter **ncd nicbpsreset '<ch#> m <bps#> 0'** to force the master NIC in the specified chassis number and bps number to reset. **<ch#>** represents the chassis number, **<bps#>** represents the BPS number.
3. The slave NIC (in both chassis) should now become the master. This process can take three to four minutes to complete.
4. Enter the command **ncd system** to verify the NIC state.



3

Updates to MPS 2.1

This chapter covers:

1. New in Patch Bundle 11
2. Unsupported Features and Commands
3. Changed Features and Commands

New in Patch Bundle 11

Registering for Up/Down service state change of the phone line supported

An application can register to receive line service state change events and get the current line service state. This enables an application to provide the MPS line status to another service (such as a call router) that can use the information in a call routing policy.

For more information about registering for up/down service state change, refer to the following documents:

- *PeriProducer User's Guide*
- *Nortel Networks Media Processing Server Series GeoTel Features User Manual*

Hong Kong ISDN IDAP User Side Protocol

Hong Kong IDAP ISDN protocol is now supported according to the HKTA 2015 specification. Refer to the *MPS Telephony Reference Manual* for configuration details.

QSIG ISDN User side Protocol

The QSIQ ISDN protocol is now supported according to the ECMA standard 143. Refer to the *MPS Telephony Reference Manual* for configuration details.

Ascom Lineside E1 CAS+ Protocol

The Ascom Lineside E1 CAS+ protocol is now supported. Refer to the *MPS Telephony Reference Manual* for configuration details.

VoiceXML: Vendor Specific Recognition Properties

Developers can now set vendor specific recognition properties. Vendor properties are set using property tags in the following format:

```
<property name="vendor_prefix.vendor_property" value="vendor_value"/>
```

The following table show the supported vendors and their associated *vendor_prefix*.

Vendor	vendor_prefix
Nuance 8.5	nuance
OSR	speechworks
MRCP	mrCP

- *vendor_property*: The string placed here is vendor specific and is defined in each vendor's documentation.
- *vendor_value*: The values to set the property to are vendor specific and are defined for each *vendor_property* in the vendor's documentation.

For example, an application can suppress waveform and event logging for SpeechWorks OSR by adding the following lines to their application:

```
<property name="speechworks.swirec_suppress_waveform_logging" value="1"/>
```

```
<property name="speechworks.swirec_suppress_event_logging" value="1"/>
```

You must specify the default values for each vendor specific property the VoiceXML application sets. These default values must be placed in the `$MPSHOME/PERIvxml/config/NortelDefaults.xml` file.

For example, the default may be for waveform capture and event logging to be turned on. When a vendor specific recognition property is set by the application and that property is in scope, it is passed to the vendor software. A VoiceXML application can set a vendor specific property to turn off waveform capture and event logs (see previous example for SpeechWorks OSR). Because the default is to have waveform capture and event logs on, as soon as the property is out of scope, waveform capture and event logs are turned back on.

Allowing the VoiceXML application to set vendor specific properties is not on by default. The following line must be added to `SBclient.cfg`.

```
client.nortel.ivr.rec.recognition.resource.AllowVendorParams  
VXIInteger 1
```

For more information, refer to the *MPS VXML Browser User Guide*.

Configure Vendor Parameter Persistence Behavior for VXML with OSR Resource

The OSR Integration Shared Library provides the parameter `VendorParamPersistence` that enables vendor parameters to be saved after they are set and reused for subsequent recognitions.

The default behavior for the OSR Integration Shared Library and the VoiceXML Interpreter is for vendor parameters to persist (be saved) after they are set and be reused by the OSR Shared Library for subsequent recognitions. This behavior frees the application from having to set vendor parameters with the same values before each recognition. After a parameter is set, the value of the parameter persists across recognitions unless any of the following actions occur:

- the next time that same parameter is set.
- the next change label occurs.
- the resource is freed.
- the `VendorParamPersistence` parameter is set to `off`.

The `VendorParamPersistence` parameter determines if vendor parameter values persist across recognitions or parameter values must be set before each recognition.

The typical and default behavior is once a vendor parameter is set, the parameter and value persists across recognitions, unless the application initiates a change or the resource is freed. The application does not have to set vendor parameters that were previously set before a recognition unless the values change. In this case, the `VendorParamPersistence` is set to `on`.

The following example describes a scenario when vendor parameters are configured to persist across recognitions (`VendorParamPersistence` is set to `on`).

- Application allocates resource.
- Application sets parameter `speechworks.confidence-level 30`. The Integration Shared Library saves the parameter and value.
- Application sets parameter `speechworks.NBestListLength 10`. The Integration Shared Library saves the parameter and value.
- Application requests recognition-start.
- Integration Shared Library sets the parameters that it saved (`confidence-level=30, NBestListLength=10`) and then starts recognition.
- Recognition 1 is result sent to application.
- Application sets parameter `speechworks.confidence-level 10`. The Integration Shared Library saves the parameter and value.
- Application requests recognition-start.
- Integration Shared Library sets parameters that it saved (`confidence-level=30, NBestListLength=10, confidence-level=10`) and then starts recognition.
- Recognition 2 result sent to application.
- Application frees resource. The Integration Shared Library clears the parameters it saved.

When the `VendorParamPersistence` parameter is set to `off`, the application must set vendor parameters before each recognition (even though they were set for previous recognitions), for those parameters to take effect.

The following example shows the scenario when vendor parameters are configured not to persist across recognitions (`VendorParamPersistence` is set to `off`).

- Application allocates resource.
- Application sets parameter `speechworks.confidence-level 30`. The Integration Shared Library saves the parameter and value.
- Application sets parameter `speechworks.NBestListLength 10`. The Integration Shared Library saves the parameter and value.
- Application requests recognition-start.
- Integration sets parameters parameters that it saved (`confidence-level=30, NBestListLength=10`) and then starts recognition.
- Recognition 1 result sent to application.
- Application sets parameter `speechworks.confidence-level 10`. The Integration Shared Library saves the parameter and value.
- Application requests recognition-start.

- Integration Shared Library sets parameter it saved immediately before the recognition request (`confidence-level=10`) and then starts recognition.
- Recognition 2 result sent to application.
- Application frees resource. The Integration Shared Library clears the parameters it saved.

The setting for persistence on the Speech Server and Application Processor nodes must match. Unexpected and unpredictable behavior results when these parameter setting do not match. The setting for persistence is configured on the Speech Server and Application Processor nodes.

- On the Speech Server node, vendor parameter persistence is configured with the parameter `VendorParamsPersistence` in the Section `GlobalParameters` of the component-specific `sys-lvr-speechworks.cfg` file. The parameter can be set only during initialization. This parameter cannot be set in a Section `Label` or by the application.
- On the Application Processor node, vendor parameter persistence is configured for VoiceXML applications with the parameter `client.nortel.ivr.rec.recognition.resource.lvr-s.Parameters-Persist` in the `Speechworks Specific Parameters` section of the `$MPSHOME/PERIVxml/config/SBclient.cfg` file and takes effect at start-up.

To ensure predictable and expected behavior, these parameters must be set as follows.

- Vendor parameters persist across recognitions. This is the default behavior.
 - If these parameters are either not in the `sys-lvr-speechworks.cfg` and `SBclient.cfg` files or they are in these files but commented out, you are not required to do anything. The parameters operate in the default mode.
 - If these parameters are in the `sys-lvr-speechworks.cfg` and `SBclient.cfg` file, and they are uncommented, they must be set as follows for the parameters to operate in the default mode.
 - Speech Server node:


```
VendorParamsPersistence on
```
 - Application processor node:


```
client.nortel.ivr.rec.recognition.resource.lvr-s.Parameters-Persist yes
```
- Vendor parameters do not persist across recognitions. If you want to configure the vendor parameters such that the application must set them before each instance of recognition, you must explicitly set the parameters as follows.
 - Speech Server node:


```
VendorParamsPersistence off
```

- Application processor node:

```
client.nortel.ivr.rec.recognition.resource.lvr-  
s.Parameters-Persist no
```



Setting these parameters inconsistently on the Speech Server and Application Processor node results in unpredictable and unexpected behavior.

These parameters are introduced with patch `sw20r1.0.23`, patch `sw30r1.0.16` and VoiceXML patch `vxml2.3.0.24`.

- For OSR 2.0, you must install:
 - Patch `sw20r1.0.23` on the Speech Server node.
 - Patch `vxml2.3.0.24` on the Application Processor node.
- For OSR 3.0, you must install:
 - Patch `sw30r1.0.16` on the Speech Server node.
 - Patch `vxml2.3.0.24` on the Application Processor node.

Updates to PeriProducer

The following items are updated in patch bundle 11 for PeriProducer.

PeriProducer Call Function `speak_cid`

Parameters	Format	Length
CID	character	any
<code>speak_item</code>	character	any
optional parameters	character	N/A

Convert the argument string into a single `speak` request one or more CIDs. The `CIDs` parameter is a datacard or array of datacards that specifies the CIDs to be used, `speak_item` is a datacard or array of datacards that specifies the item to be spoken. The argument string is typically the parent item of a data array. The data array might receive items to speak from a host running in 24-Byte Header mode, although this is not necessary. Multiple elements in a data array (used with a `speak_cid` request) must be separated by commas. `speak_cid` has the advantage of processing a data array (folder) as one element. This makes `speak_cid` efficient for speaking arrays because the entire array of elements can be specified in one request.

`speak-cid` takes an optional parameter to specify the state of the key pad during the voice output. The possible parameters are:

<code>freekb</code>	Allow the caller to enter touch-tone data during SEND PHONE voice output (key-ahead).
<code>lockkb</code>	Disable key-ahead for the current SEND PHONE.
<code>leavekb</code>	Disable key-ahead until it is specifically enabled.



You can also force the application to suspend execution until the voice output completes by specifying the optional parameter `wait`.

You can override The Speak As type for an element in the speak request. Specify the element with the syntax `@@F<elementname` where F is the speech format and `elementname` is the name of the element to speak. F can be:

O	ordinal
C	conversational
N	nonconversational
M	money
D	date
T	time
P	percent

That is:

`@@M<12.34` means "speak 12.34 as money."

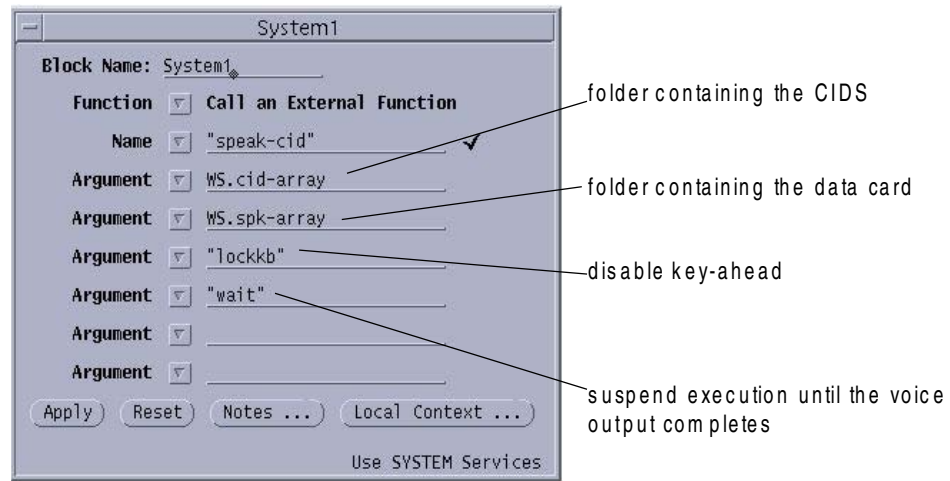
`@@N<abcd` means "speak abcd as nonconversational."



When using the date and time formats, do not include a space after the "<" symbol. For example `@@T<1414` means "speak 2:14 PM as time."

You can use a Compute block to initialize the data card.

Then call `speak-cid` and supply any desired options:



The Regenerate and Link Menu Option in the Execute Menu

Use Regenerate and Link when linked files are modified or generated. The Link option does not incorporate any modified linked files if the main application was not modified. Use Regenerate and Link if you are unsure which application (main or linked) was modified.

The PeriGEM Run option performs the Regenerate and Link operation before starting to simulate the execution of the application.

Vocabulary Manager

On the Vocabulary Management window, if the Export/Stub Prefix is has a value and either Export TBDs or Create Vocabulary Stubs is selected, a notice asks if you want to use the entered Prefix. The options available are YES, NO, and CANCEL.

If you selecting YES and Create Vocabulary Stubs is selected, the file is created or added with the item names. If you select YES and Exporting TBDs is selected, .mmf files are written using the Prefix. The prompt window closes.

If you select NO, the result is the same as selecting Yes except the Prefix is not used. The prompt window closes.

If you select CANCEL, the prompt window closes.

PeriProducer -R option

If you start PeriPro with option **-R**, the file `vengine.trc` is written for debug purposes when running the application in simulated mode. The location of the file is the same as the location of the application executing.

Modified behavior of Prompt Dialog

The Prompt dialog is used to specify phrases to be spoken in blocks (such as Speak and Read) is modified as follows.

- Changing the **Speak** option to TTS Literal, URL Literal, or Vocabulary Item maintains the value in the **Phrase** field.
- If the **Speak** option is changed to **Data Card**, the **Phrase** field is cleared.
- If a prompt is added to the list and the you click the **CLOSE** button, a confirmation window is displayed.

Opening a .ppr File

If a `.ppr` file is double clicked in Windows Explorer, PeriProducer launches and the `.ppr` file opens.

Updates to Commgr

The following items are updated in patch bundle 11 for Commgr.

Command to Obtain VT from a Pool in Pooled Mode

Use the **getvt** command to allocate a virtual terminal (VT) from the pool. The **getvt** command is applicable only when the host is configured to be a pooled host (see `commgr.cfg` file). The **getvt** command enables you to allocate the VT for debugging purposes from the command line.

send or **read** commands cannot be issued prior to allocating the virtual terminal from the pool when the host is configured to be a pooled host.

Example:

```
host # svcid # getvt poolname
```

Command to Read Data Directly from VT

Use the **readvt** command to read data directly from the virtual terminal. This is an alternate command to the **read** command and it requires that a service identifier is specified.

The **readvt** command displays the current screen that is stored by the communications protocol that is sent to, or received from the host.

Example:

```
host # vt # readvt
```

Unsupported Features and Commands

This release of the MPS does not support the following operations.

N+1 MPS Redundancy features in CCTIVR

Patches `cti2.1.93` and `cti2.1.0.94` in patch bundle 11 introduced the N+1 MPS Redundancy feature in CCTIVR to preserve connections from IPML server to an MPS AP if the AP fails. This feature is not supported and should be ignored.

- Do not use the `vpsstandbyhost` option in `csvapi.cfg`.
- Ignore the new v-shell command `csvapi show mpconnlist`.
- Ignore the line in `csvapi.log` stating that IPML MPS redundancy is supported.

Call Protect features in PeriProducer

Patch `ppro3.00.14` in patch bundle 9 introduced the following Call Protect features in PeriProducer, which are not supported and should be ignored.

- `CallProtectStart` datacard in the System Folder.
- PeriGEM Call Protect checkbox.
- While an application is running under PeriGEM, typing `vemul` in the text entry area displays:
`setcallprotectplatform {t | f}` to set call protect platform.



Note: If, after applying patch `ppro3.00.14`, a component vex file of a vexlinked application needs to be modified and recompiled, all other component vex files within the vexlinked application must also be recompiled before relinking. This is necessary to make sure the system folder is the same in each component vex file prior to linking.

No Implicit allocation for Playing resources

The current release of MPS 2.1 software does not support implicit allocation for resources that play prompts. This issue applies to text-to-speech (TTS) and Internet Audio Server resources.

Solution:

Explicitly allocate (Get) the appropriate TTS or Internet Audio Server resource before using it to play a prompt.

Converted PeriPro 2.3 applications that change labels between prompts

MPS2.1 does not support changing labels for LVR (speech recognition) resources between prompts that start the recognizer (`Accept Input/Speech During` the prompt). Prompts that start recognizer should lead to a `GetInput` request without sending any additional setting to the LVR resource.

VPS/is 5.X could accommodate a Change Label operation between prompts that start the recognizer (Barge-in on: the box Stop speaking if caller presses a key is checked in the Speak block) because of the design for implementing barge-in. In that case, recognition was aborted with the Change Label request and was started with the next prompt that started the recognizer.

However, it is important to follow good programming practice and perform a Change Label operation before the first prompt that starts the recognizer. (It is poor practice to use a Speak block that starts the recognizer followed by a Change Label operation.)

Solution:

Workaround for Converted Applications:

If a PeriProducer 2.30 application changes labels between prompts that start the recognizer:

- Convert the application from PeriProducer 2.3 to 3.0.
- Modify the application to send the change label request before the first prompt that starts the recognizer.

Changed Features and Commands

Changed features and commands for patch bundle 11 and previous patch bundle releases are detailed in the following sections.

Patch Bundle 10 Changed Features and Commands

MPS 2.1 systems configured with Internet Audio Server and TTS resources



This topic applies to the MPS 2.1 speech-enabled systems that use text-to-speech and Internet Audio Server resources and when the system (backplane) coding law is set to alaw for either T1 or E1 configurations.



This issue applies only to systems configured with DCC-3000 boards in the MPS cluster or a combination of DCC-3000 and DCC-2000 boards in the MPS cluster. See [DCC board configuration in the MPS Cluster on page 42](#).

Before the release of MPS 2.1 patch bundle 10, patch bundle addition `tms1.3.0.44` and `PERIAusvr1.1.0.25`, audible clicks may be heard at the beginning and end of audio plays, when the system (backplane) coding law is set to alaw and:

- an Internet Audio Server plays audio files.
- a text-to-speech resource plays synthesized text.

These audible clicks are eliminated with MPS 2.1 patch bundle 10 and patch bundle addition `tms1.3.0.44` (which adjusts the behavior of the TMS on the MPS Application Processor node) and `PERIAusvr1.1.0.25` (which adjusts the

behavior of the Internet Audio Server on the Speech Server node). The software performs the coding law conversions.

This change affects both system (backplane) coding law and netlaw coding in the MPS cluster. Coding law is set with the following parameters in the `tms.cfg` file on the MPS Application Processor node, as follows:

- System (backplane) coding law is set with the `SYS_coding_law` parameter.
- Netlaw coding law is set with the `SYS_NETCODINGLAW` parameter.

To implement this solution, you must stop SRP on all nodes where software will be installed, install patch bundle 10 on the MPS and Speech Server nodes, install patch bundle addition `tms1.3.0.44` on the MPS nodes, install `PERIAusvr1.1.0.25` on the Speech Server nodes where existing Internet Audio Server resources reside, configure the `tms.cfg` files in the MPS cluster to set system coding to ulaw and set netlaw appropriately, delete files from cache directories on the Internet Audio Server nodes, reconfigure resource-specific coding law parameters on Speech Servers associated with the MPS cluster to match the ulaw system coding, and restart SRP on all nodes where changes occurred. This process is described in a table that follows. See [Eliminate audible clicks on page 43](#).

- In the case of an MPS 500, stop SRP on the Application Processor node, perform all changes then, restart SRP on the node.
- In the case of an MPS 1000 cluster, stop SRP on all Application Processor nodes in the MPS cluster, perform all changes then, restart SRP on all Application Processor nodes in the cluster.



If you choose not to implement this procedure and configure the system backplane coding to alaw, be aware that clicking may be heard when an Internet Audio Server plays audio files and when a text-to-speech resource plays synthesized text. In this case, ensure that resource-specific settings for coding law parameters are consistent with the backplane set to alaw.

For additional information about installing software, see:

- *Installing MPS 2.1 Software on a Windows Platform.*
- *Installing MPS 2.1 Software on a Solaris Platform*
- *MPS 2.1 Speech Server 6.0.1 Installation Guide and Release Notes*

For information about the MPS Application Processor node, refer to the *MPS 2.1 System Reference Manual*.

Refer to the vendor-specific MPS Speech Server Resource Guides for information about setting resource-specific coding law parameters.

DCC board configuration in the MPS Cluster

This solution applies only when MPS nodes in the cluster are configured either with all DCC-3000 boards or a combination of DCC-2000 and DCC-3000 boards. Audible

clicks are not an issue in an MPS cluster configured only with DCC-2000 boards.

- For DCC-2000 systems, backplane law and netcoding law must be set identically (all alaw or all ulaw).

In the case of a system with both DCC-2000 and DCC-3000 in the MPS cluster, and net law is set to alaw, audio clicks will occur because you can not set backplane law to ulaw.

- For DCC-3000 systems, backplane law and netcoding law can be set independent of one another.

Use the following table to determine the effect of coding law settings in MPS clusters configured with DCC-2000 and DCC-3000 boards.

DCC Card Combinations in the MPS Cluster and Impact on Audible Click

Coding Law	Backplane law	ulaw	ulaw	alaw	alaw
	Netcoding law	ulaw	alaw	alaw	ulaw
DCC card combinations	DCC-3000 only	support with audio improvement	support with audio improvement	support as in previous release	support as in previous release
	DCC-3000 and DCC-2000	support with audio improvement	invalid configuration	support as in previous release	invalid configuration
	DCC-2000 only	support as in previous release	invalid configuration	support as in previous release	invalid configuration

Eliminate audible clicks

Use the following table to guide you through the process for eliminating audible clicks during Internet Audio Server and text-to-speech resource plays.

Eliminate Audible Audio Clicks with MPS 2.1 Patch Bundle 10 Sheet 1 of 4

Node	Step	Description
MPS	1	Stop SRP on all MPS Application nodes in the MPS cluster.
	2	Install patch bundle 10 and patch bundle addition <code>tms1.3.0.44</code> on all Application Processor nodes.
	3	Set the system (backplane) coding law to <code>ulaw</code> . Edit the <code>tms.cfg</code> files and set the system coding law as follows: <code>PARAM SYS_coding_law = ulaw</code>

Eliminate Audible Audio Clicks with MPS 2.1 Patch Bundle 10 Sheet 2 of 4

Node	Step	Description
	4	<p>Netlaw coding is in the <code>tms.cfg</code> file.</p> <p>Netlaw is defined in the <code>tms.cfg</code> file as follows:</p> <pre>PARAM SYS_NETCODINGLAW</pre> <p>There are two cases of <code>netlaw</code> settings: (span type-based or non- span type-based).</p> <ul style="list-style-type: none">Case #1: Netlaw is based on span type.<ul style="list-style-type: none">A T1 span uses netlaw of <code>ulaw</code>.An E1 span uses netlaw of <code>alaw</code>. <p>All conversions are based on the backplane law and netlaw based on span type.</p> <p>In <code>tms.cfg</code> file, comment out the <code>PARAM SYS_NETCODINGLAW</code> (precede the parameter with a comment <code>(;)</code> character as in the following example.</p> <pre>;PARAM SYS_NETCODINGLAW = DEFAULT_NETLAW</pre> <ul style="list-style-type: none">Case #2: Netlaw is not based on span type.<ul style="list-style-type: none">A T1 span uses netlaw of <code>alaw</code>.An E1 span uses netlaw of <code>ulaw</code>. <p>All conversions are based on the backplane law and netlaw defined in <code>tms.cfg</code> file.</p> <p>In <code>tms.cfg</code> file, set the parameter <code>SYS_NETCODINGLAW</code> as follows.</p> <ul style="list-style-type: none">If T1 span uses a netlaw of <code>alaw</code>:<pre>PARAM SYS_NETCODINGLAW = alaw</pre>If E1 span uses a netlaw of <code>ulaw</code>:<pre>PARAM SYS_NETCODINGLAW = ulaw</pre> <p>In case #2, the netlaw setting is applied to the MPS cluster. All spans in the MPS cluster are configured with same netlaw set in <code>tms.cfg</code> files.</p>
	5	<p>If a TPM card is present, set the coding law in the following <code>/tftpboot/tp*.ini</code> file to match the system backplane <code>ulaw</code> setting in the <code>tms.cfg</code> file. (System backplane law was set to ulaw in Step 3.)</p> <p>Depending on the type of TPM card, edit one of the following files: <code>tp200.ini</code>, <code>tp800.ini</code>, <code>tp1100.ini</code>.</p> <p>Set the parameter as follows: <code>PCMLAWSELECT = 3</code></p>
	6	<p>Restart SRP on all MPS Application Processor nodes in the MPS cluster.</p>

Eliminate Audible Audio Clicks with MPS 2.1 Patch Bundle 10 Sheet 3 of 4

Node	Step	Description
Speech Server	1	<p>Install MPS 2.1 patch bundle 10 on all Speech Server nodes in the MPS cluster.</p> <ul style="list-style-type: none"> For Internet Audio Server nodes, follow Step 2. For OpenSpeech Recognizer, Nuance, Vocalizer, and FAAST nodes, follow Step 3. For any other Speech Server node, stop SRP, install PB 10, start SRP.
	2	<p>Applies to Internet Audio Speech Server Nodes:</p> <p>On all Speech Server nodes associated with the MPS cluster where Internet Audio Server resources reside, install patch bundle 10 and the PERIausvr1.1.0.25, and delete the IAS cache, as follows.</p> <p>For information about the IAS cache, refer to the <i>MPS Speech Server 6.0.1 Internet Audio Server 1.1.0 Resource Guide</i>.</p>
	2a	Stop SRP before installing any software.
	2b	Install MPS 2.1 patch bundle 10.
	2c	Install PERIausvr1.1.0.25. It is not necessary to uninstall an existing version of PERIausvr.
	2d	<p>Delete all files from the Internet Audio Server cache.</p> <p>The directory where cache files reside is specified in the <code>vxmld.ausvr.cfg</code> file for each Speech Server component. The default directory is set to: <code>C:\Program Files\Nortel\SelfService\oscar<n>\cache</code>, where <code>oscar<n></code> represents the component number.</p> <p>You can only perform this step when the Internet Audio Server is not running. If you want to delete files from the cache at a later time, and the Internet Audio Server is running, you must stop the IAS, delete the cache files, and restart IAS as follows:</p> <ul style="list-style-type: none"> To stop IAS issue command in a vsh prompt on the IAS node: <code>srp vxmld -stop</code> Delete cache files. To start IAS issue command in a vsh prompt on the IAS node: <code>srp vxmld -start</code>
	2e	Restart SRP.
	3	<p>This step applies to the speech resources that require coding law configuration. They include: OpenSpeech Recognizer, Nuance, Vocalizer, and FAAST.</p> <p>On all Speech Server nodes associated with the MPS cluster and provide OpenSpeech Recognizer, Nuance, Vocalizer, or FAAST speech resources, set resource-specific parameters that define coding law to be consistent with the system (backplane) ulaw setting in the <code>tms.cfg</code> file.</p>
	3a	Stop SRP before installing any software.
	3b	Install MPS 2.1 patch bundle 10.

Eliminate Audible Audio Clicks with MPS 2.1 Patch Bundle 10 Sheet 4 of 4

Node	Step	Description
	3c	<p>For OpenSpeech Recognizer Speech Server nodes, set the following parameters in the <code>C:\Program Files\SpeechWorks\OpenSpeech Recognizer\config\Baseline.xml</code> file.</p> <ul style="list-style-type: none"><code>swirec_audio_media_type audio/basic;rate=8000</code><code>swiep_audio_media_type audio/basic;rate=8000</code> <p>For additional information about the OSR resource, refer to the <i>MPS Speech Server 6.0.1 OpenSpeech Recognizer 2.0.x Resource Guide</i> or the <i>MPS Speech Server 6.0.1 OpenSpeech Recognizer 3.0.x Resource Guide</i>.</p>
	3d	<p>For Nuance Speech Server nodes, ensure the following parameter is preceded with a comment character (<code>;</code>) in the <code>%NUANCE%\data\nuance-resources.site</code> file.</p> <ul style="list-style-type: none"><code>;audio.Format 8k-8bit-alaw</code> <p>For additional information about the Nuance resource, refer to the <i>MPS Speech Server 6.0.1 Nuance 8.x Resource Guide</i>.</p>
	3e	<p>For Vocalizer Speech Server nodes, set the following parameter on the <code>vocalizer</code> command line in the component-specific <code>gen.cfg</code> file on the Speech Server node.</p> <p><code>-encoding ulaw</code></p> <p>For additional information about the Vocalizer resource, refer to the <i>MPS OSCAR 6.0.1 Vocalizer 3.0.x Resource Guide</i>.</p>
	3f	<p>For FAAST Speech Server nodes, set the following parameter in the <code>sys-extts-faast.cfg</code> file on the Speech Server node.</p> <p>Encoding MULAW</p> <p>For additional information about the Faast resource, refer to the <i>MPS OSCAR 6.0.1 FAAST 5.2 Resource Guide</i>.</p>
	4	<p>Restart SRP on all Speech Server nodes where you installed software or edited files.</p>

DtmfToneDur duration accuracy corrected

This applies when upgrading from MPS 2.1 PB09 or prior patch bundle. In earlier releases, when `DtmfGuard` was turned on enabling touch tone extended time verification, actual verification was approximately eight times shorter than the `DtmfToneDur` setting.



The system limited the minimum duration to not go below approximately 40ms.

If applications require the shorter behavior, a new `ccm vsh` option `oldDtmfToneDur` is available which can be set "on" to revert back to the old

behavior. It is off by default.

This option is displayed in vsh c<n> repSvcParams report, if it is turned on.

Patch Bundle 9 Changed Features and Commands

MelCas protocol on MPS corrected in patch bundle 9

Patch bundle 9 addresses inconsistencies found when the MPS is configured to run the MelCas protocol connected to a LineSideE1 M1 card. Any existing sites that currently run the MelCas configuration will be broken when patch bundle 9 is installed.

Versions of this configuration prior to patch bundle 9 will no longer be supported.

Solution:

On Solaris based systems, copy the

/opt/vps/PERItms/site-cfg/melcas_proto.cfg file to the /opt/vps/common/etc/tms directory. No changes are needed in the tms.cfg file. The system should be restarted.

The M1 switch should be modified as follows:

1. Connect a vt100 terminal to the LEI card
2. At the LEI prompt, type L to login.
3. At the password prompt, type LEILINK
4. Type S M to Set Mode
5. Select 2 for Table and set the bit settings as follows:

```
IDLE SEND: 1101
```

```
IDLE RECEIVE: 1101
```

```
BLOCKING RECEIVED enabled? (Y/N): N
```

```
Incoming call RINGER-ON SEND: 1011
```

```
Incoming call RINGER_OFF SEND: 1001
```

```
Incoming call OFFHOOK RECEIVE: 0101
```

```
Incoming call CONNECTED SEND: 0101
```

```
Incoming call (Far End) DISCONNECT SEND: 1101
```

```
Incoming call (CPE) DISCONNECT RECEIVE: 1101
```

```
Outgoing call SEIZE RECEIVE: 0101
```

```
Outgoing call SEIZE ACK SEND enabled? (Y/N): N
```

```
Outgoing call DIAL MAKE RECEIVE: [no change]
```

```
Outgoing call DIAL BREAK RECEIVE: [no change]
```

```
Outgoing call ANSWERED SEND: 0101
```

```
Outgoing call (CPE) DISCONNECT RECEIVE: 1101
```

```
Outgoing call (Far End) DISCONNECT SEND: 1101
```

```
Disconnect Time (0 to 4000 ms): [no change]
```

```
Intercall Time (0 to 2000 ms): [no change]
```

6. The LEI prompt should be visible on your screen again

Oracle native on Windows to Oracle through ODBC

When upgrading ORACLE client software version from 8.0.x to any of client ORACLE releases 8.1.x, 9.x.x and 10g., deploy red2.0.9 patch (PB9) and use ODBC, specifically Microsoft's DSBC system driver for ORACLE. Then in all PerProducer native ORACLE applications, visit all SQL blocks marked for RDBMS set to ORACLE and change RDBMS to ODBC. The SQL block server field also needs to be assigned to the DSN (Data Source Name) that was configured using the ODBC Data Source administrative wizard. These are the only two changes required to all SQL blocks contained in the application.

PERItlkt Q.931 new behavior for Facility IE Octet 3 extensions

This applies to ISDN q931 upgrade from MPS 2.1 PB08 (20020319) or prior patch bundle. In earlier releases, applications using the PERItlkt Q.931 Element Get container to retrieve the facility IE data could incorrectly receive octet 3 extension bytes in the chPDU data card ahead of the PDU data.

This was corrected in MPS 2.1 PB09 and tlkt1.0.0.6 pre-release patch to return the octet 3 extension bytes that were extended using the bit 8 extension method in the chOctet3Ext data card, and not in the chPDU data card. Applications that compensate for the earlier behavior will now fail and must be updated.

If there is an issue with facility processing after upgrade, as a temporary measure to run the older applications, replace the call function library libq931.so or libq931.dll that the applications are linking to with the earlier one. The location of the call function library an application is linking to, is specified in each application's configuration file.

The applications should be corrected to process the first hexadecimal character pair of the chPDU field as the component tag type. In an early sample application, all that was required was removal of the work.FacilityData.FacilityFolder.ServiceId data card. It preceded the Invokecomptype component tag data card which threw the rest of the processing off by a hexadecimal character pair (ISDN octet).

PERItlkt Q.931 Element GetByPos not supported

In MPS 2.1 PB09 and prior patch bundle the PERItlkt Q.931 Element GetByPos and the Generic IE GetByPos containers had intermittent problems. These now return status ErrInternal. Use Element Get Container to get the specific element desired.

Other Changed Features and Commands

Convert alaw Files

For Internet Audio Server (IAS) resources in an MPS 2.1 environment, beginning with the release of PERIausvr1.1.0.25, the IAS resource can convert and play a-law files. After installing PERIausvr1.1.0.25 on the Internet Audio Server

node, the following A-law Module configuration section is included in the default `vxml.d.ausvr.cfg` file.

- In the case of existing Internet Audio Server resources, where you are upgrading from a previous `PERIausvr` package to `PERIausvr1.1.0.25`, you must manually copy the following section:

```
! A-law Module
!
define_module_convert=alaw
alaw_input=audio/x-alaw-basic
alaw_suffix=alaw,al
@SunOS alaw_object=libvxmod_alaw.so
@Win32 alaw_object=vxmod_alaw.dll
alaw_entry=alaw_hook
```

- from: `%AUSVR_HOME%\etc\vxml.d.ausvr.cfg`
- to: `%OSCARHOME%\oscarN\etc\vxml.d.ausvr.cfg`
- If you are performing a fresh installation of an Internet Audio Server resource with `PERIausvr1.1.0.25` (no previous version of the Internet Audio Server existed on the node), the `vxml.d.ausvr.cfg` file contains the A-law Module.

The following table summarizes this procedure.

Step	Description
1	Stop SRP on the Internet Audio Server node.
2	Install <code>PERIausvr1.1.0.25</code> . It is not necessary to uninstall an existing <code>PERIausvr</code> package.
3	For existing IAS installations only, copy the entire section titled: ! A-law Module <ul style="list-style-type: none"> • from: <code>%AUSVR_HOME%\etc\vxml.d.ausvr.cfg</code> • to: <code>%OSCARHOME%\oscarN\etc\vxml.d.ausvr.cfg</code>
4	Start SRP on the Internet Audio Server node.

For additional information about:

- the `vxml.d.ausvr.cfg` file, refer to the *MPS Speech Server 6.0.1 Internet Audio Server 1.1.0 Resource Guide*.
- installation procedures, refer to the *MPS 2.1 Speech Server 6.0.1 Installation Guide and Release Notes*.

Move Component command

The `mvcmp` command performs common tasks involved in moving any type of component, such as updating `vpshosts`, `stats`, and renaming the component directory.

Component types, such as OSCAR and various speech vendors may require additional updates for certain configuration files when the component number is changed.

For example:

After `mvcmp` moves an OSCAR `ausvr` component, the component number must be manually updated in the `%MPSHOME%\oscarN\etc\gen.cfg` (vxml line)
`%MPSHOME%\oscarN\etc\vxml.d.ausvr.cfg` (cache directory lines).

Refer to the Speech Server documentation for more information on specific speech vendors customizations.

New MMF say-as type added for VoiceXML applications

VoiceXML applications can now speak digits as account numbers. This is accomplished via the new MMF type, `acctnum`.

The initial value of the `acctnum` variable expression attribute is of the form `N` where:

`N` = numeric digit

The `acctnum` class inserts pauses at specific locations in the stream of digits being spoken. For example if a nine digit account number is to be spoken and pauses are needed after the third and sixth digits then the following class value must be used: `acctnum:3:3:.` In this case the first three digits are spoken as digits followed by a pause, then the next three digits are spoken as digits, followed by a pause, and finally the last three digits are spoken as digits.

Defaults exist such that the only class value required is `acctnum`. In this case the specific locations to insert the pauses is not specified. The system, in this case, automatically inserts the pauses based on the length of the account number spoken. The following table summarizes the default behavior:

Account Number Length	Default Pause Insertions
12	After the 4th and 8th digits
15	After the 4th and 10th digits
16	After the 4th and 8th digits
Any length other than the 3 above	No pauses are inserted and the account number is spoken as digits

Class values applicable to the `acctnum` variable are:

```
acctnum
acctnum:X:
acctnum:X:Y:
acctnum:X:Y:Z:
acctnum:W:X:Y:Z:
```

W, X, Y, and Z all represent locations to insert a pause in a stream of digits which are replaced by actual numbers that are greater than or equal to 1.

Though the above values show a maximum of 4 pauses, there is no maximum and the programmer is free to configure as many pauses as necessary.



In the expression value only the colon (:) can be used as a separator.

Examples:

```
<var name="creditcard" expr="1234567890123456" />
<prompt>
Your account number is <value expr="creditcard"
class="acctnum:4:4:4:" mode="recorded" />
</prompt>
```

Expression Value	Class Value	Spoken Output
1234567890123456	acctnum	one two three four...five six seven eight...nine zero one two...three four five six
5551212	acctnum:3:	five five five...one two one two
6315551212	acctnum:3:3:	six three one...five five five...one two one two
123456789	acctnum:3:2:	one two three...four five...six seven eight nine
123456	acctnum	one two three four five six
123456789	acctnum:4:6:5:	one two three four...five six seven eight nine
1234567890123456	acctnum:1:11:	one...two three four five six seven eight nine zero one two...three four five six



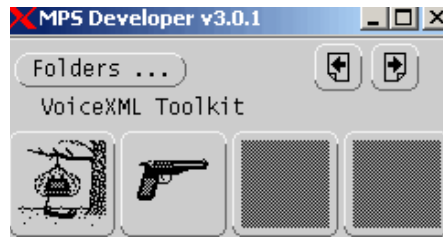
The ellipses (...) in the previous examples represent a pause.

Tab added to IPML Config Utility

A generic option tab has been added to the IPML Config Utility to allow optional configuration parameters when using PeriView.

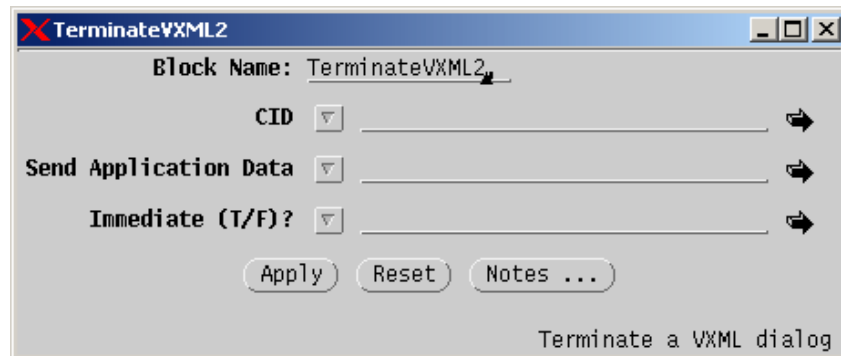
Terminate Dialog block added to VoiceXML toolkit

The Terminate Dialog block (represented in the following diagram as a pistol) was added to the VoiceXML toolkit. The Terminate Dialog block is used when the application is waiting in the Invoke Dialog block and is jumped out of that block due to a condition or event. In whatever handler the application is in, the Terminate Dialog block should be executed and then the application should use a resume connector to go back to the Invoke block (which then completes once the terminate is processed by vxmli). This ensures the data cards passed into the Invoke block are properly filled in.



The Terminate block contains the following fields:

- **CID** : The connection identifier to terminate. Typically this is set to the data card, `System.DefaultCID`.
- **Send Application Data** : Application data that is made available to the VoiceXML dialog. This data must be in AVS format created by using ToAVS on a data folder. Each data card in the folder is available to the VoiceXML dialog in the session variable `com.nortel.ivr.appaccept.appdata`.
- **Immediate (T/F)?** : Immediate, if set to true, causes any operation (such as play and receive input) in progress by the VXML dialog to abort. If set to false, any operations in progress are allowed to complete before the dialog is terminated.



Speak block and LVR resources

You can program multiple Speak blocks in such a way that the input resources cycle on and off from one prompt play to the other. For example, if three Speak blocks are programmed as follows:

- Accept input after prompt (LVR and DTMF off during the prompt and on after the prompt),
- followed by a second prompt with Accept input during/after prompt (LVR and DTMF on during and after the prompt),
- and, the third set the same way as the first prompt Accept input after prompt (LVR and DTMF off during the prompt and on after the prompt).

These three Speak blocks cause the input resources to be disabled (turned `off`) at the start of the third prompt and re-enabled (turned `back on`) at the end of the third prompt.

This implementation of the Speak block causes the recognizer to cycle `ON` and `OFF` and produces unpredictable behavior, which sometimes results in:

- the recognizer being `OFF` when the next input is requested, or
- the MPS expecting that the OSCAR has a result ready, when in fact it does not.

Solution:

Make sure that once you enable an input device, specifically an LVR resource, that the resource state is unchanged by the subsequent Speak blocks until the application requests the caller's input.

So, in the previous example the three prompt plays should be coded as follows (depending on the intent of the application):

- If the intent is to enable the input devices after the last prompt play without barge-in then choose the following:
 - Speak block #1: `Accept no input`
 - Speak block #2: `Accept no input`
 - Speak block #3: `Accept input after prompt`
- If the intent is to enable the input devices at the beginning of the first prompt (allowing barge-in) then choose the following:
 - Speak block #1: `Accept input during/after prompt`
 - Speak block #2: `Accept input during/after prompt`
 - Speak block #3: `Accept input during/after prompt`

Backup of configuration files

PeriView does not make backups of configuration files before modifying them.

Solution:

Backup the configuration files before modifying them.

Login to browser-based PeriView

The login to browser-based version of PeriView fails with `JRE1.4.1_X`, where `X` is great than 3.

Solution:

The instructions for the workaround can be found on the PeriView web page, below "PeriView 2.1."

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4

MPS 2.1 Known Issues

This chapter covers:

- 1. Issues**
- 2. Notes**

Issues

This section describes known issues and solutions for MPS 2.1 patch bundle 11. The issues are organized by category.

MPS

Q01806797 - VXMLi causes server crash.

Issue:

When you access VXML, it causes SRP to restart. A constraint in the Xerces 2.3 library does not allow the namelist attribute to be longer than 7500 characters.

Solution:

In VXMLi, the namelist attribute length should be less than 7500 characters.

Q00734496 - Poor audio quality

Issue:

pcmrec/pcmrec2 - audio quality not good (encoding?) on EMEA alaw system.

Solution:

Use OKI-RECORDERS not pcm-rec.

Q00803372 - Noise with speech

Issue:

When system is under full load (192-T1/240-E1 concurrent callers) there is a potential for 0.1% of the callers to experience noise instead of audio.

Solution:

After caller is disconnected the functionality is restored for the next caller.

Q00850326 - vhman and vpshosts file

Issue:

vhman should treat `vpshosts` file correctly.

Solution:

If system has uncommented components in OSCAR install, check install configuration. If `vpshosts` file is not what you wanted, edit `vpshosts` file.

Q00934817 - mvcmp damages vpshosts file

Issue:

mvcmp damages the `vpshosts` file when the nodes listed in the file cannot be resolved to an IP address. The nodenames show "-."

Solution:

There are two possible workarounds:

1. Before executing the `mvcmp` command, create a backup of the `vpshosts` file. After executing the `mvcmp` command, remove all issues in the new `vpshosts` file.
2. Before executing the `mvcmp` command, execute the `ping` command and ensure the command is successful for all nodes listed in the `vpshosts` file from the node where the `vpshosts` file is located.

Q01056205 - Conference port stuck**Issue:**

Conference ports were not freed after all callers disconnected calls.

Solution:

Any application which has issued a join conference command (whether it completes or not) should explicitly leave the conference using a leave conference command before the application terminates. The application should be prepared for this leave conference command to fail and ignore the failure (this will happen if the application never actually did join the conference).

Q01069635 - vsupd terminates abnormally**Issue:**

Under some abnormal conditions, the `vsupd` is known to terminate abnormally. This cause of this is unknown.

Solution:

The occurrence of this issue is very rare and is under review by Nortel. Should this occur, please contact Certified Nortel Technical Support.

PeriASE**Q01645704 - Applications don't restart on Windows after VOS restart****Issue:**

Normally vengine applications are restarted when SRP restarts the VOS group because of a VOS group process failure. However, on Windows, the applications are not restarted after VOS restart because of a process failure and remain in the DOWN state.

Solution:

Restart the applications.

PERIdist

Q01390365 - pkgcutdate on software packages inconsistent

Issue:

There are multiple software package cut dates for PERIdist 2.0.0.

The following describes the issue:

The original distribution of PERIdist version 2.0.0 package had a cut-date of 20020813. Later, the same PERIdist version 2.0.0 was required to support configurations that did not need the Apache web server and also support MPS defaults for the installation prompts.

Because of this, the PERIdist install program, cut-date 20040329, was updated to use 10.7 as the default for the IP address prompt on MPS configurations and allow the option of installing Apache. The actual product that is installed (Nortel cgi scripts and the Apache web server product) has not changed between cut-dates.

PeriProducer 3.00

Q00500729 - Removed support for datacard values in environment block

Issue:

After loading patch bundle 8, it is no longer possible to assign a datacard value to an environment variable.

Solution:

Manually change the occurrences of variables with data card values to generic variables. For example, if a program written in PeriPro at patch level 9 has an occurrence of RscConfig being set to the datacard myfolder.mystring, it will appear as the string literal "myfolder.mystring" when loaded into PeriPro at patch level 12. This is NOT equivalent to the datacard myfolder.mystring. To preserve the generated code from PeriPro at patch level 9, use a generic Application and System parameters variable. Set the Option field to "RscConfig" and the value to the datacard myfolder.mystring.

Q00832734 - No Disconnect in C7 proxy mode

Issue:

There is no way to deliver a disconnect from PeriPro to a VXML dialogue in C7 proxy mode.

Solution:

A script can be invoked from the application that will send a disconnect to TMS through DLT causing the line to disconnect from the bottom up. Sample script for this function follows:

```
#!/usr/bin/perl
#-----#
# PROGRAM: mps_fdisc.pl #
#
# This script takes 2 arguments. The first argument is
#the MPS component number and the second is the line
#number to which the forced disconnect is to be applied.
#
#-----#

my( $f ) = 0;
my( $count ) = 0;
$class=0;
$inst=0;

$numArgs = $#ARGV + 1;

if ( @ARGV != 2 ) {
    print "Invalid command-line arguments.\n";
```

```
    exit 1;
}

$rsetprofile_rpt=`vsh -C mps.$ARGV[0] c$ARGV[1]
rsetprofile`;

@fields=split(/\n/, $rsetprofile_rpt);

foreach $f (@fields) {
    if ($f =~ m/Class ID/) {
        $z=$fields[$count];
        @t=split(/\./, $z);
        $class=$t[1];
        # print "$class\n";
    }
    if ($f =~ m/Resource Instance/) {
        $z=$fields[$count];
        @t=split(/\./, $z);
        $inst=$t[1];
        # print "$inst\n";
        last;
    }
    $count = $count + 1;
}

if ( ($class) && ($inst) ) {
    `dlt -C mps.$ARGV[0] dropcall $ARGV[1] 0 $class $inst`;
    # $cmd_status=`dlt -C mps.$ARGV[0] dropcall $ARGV[1] 0
    $class $inst`;
    # print "$cmd_status\n";
}
else {
    print "vsh command failed on mps.$ARGV[0] line
    $ARGV[1]\n";
    exit 1;
}

exit 0;
```

Q01062558 - faxmgr error on open/close MMF files

Issue:

Debug log statement is prefixed with "ERROR". This only appears if debugging is turned on. It is not application related.

Q01385552 - Retention of DTMF digits upon retry**Issue:**

There is a difference in the behavior of a Read Phone block in PeriProducer 2.30 and PeriProducer 3.00 with PeriProducer 2.30 Runtime Behavior. The following example describes the issue. A Read Phone block is created with a Length Error path and a No Data path set for one or more retries. The behavioral difference is exposed when the user enters too few digits causing a Length Error which triggers a retry. In PeriProducer 2.30, the partial DTMF input is retained in both the `System.LastEntry` datacard and the datacard provided in the Read Phone block before the next retry. However, in PeriProducer 3.00, the partial DTMF input is discarded before the next retry.

Solution:

If there was a subsequent No Data error which exhausted the available retries and there was logic in the No Data path that relied on reading the partial DTMF input that caused the previous Length Error, the DTMF digit collection logic will need to be re-written in PeriProducer 3.00 in a way that preserves the partial DTMF input.

PeriRDB

Q00976416 - new default behavior for Autocommit in sqlclnt

Issue:

The new default for Autocommit is OFF. Previously, the default was either OFF or ON, depending on the type of database the application was accessing (ORACLE, SYBASE, ODBC, or DB2).

The new **sqlclnt** option **-c** is used to set Autocommit to ON. This option must be added when accessing those databases where the default was previously ON.

Q01075242 - Error 00007713

Issue:

When a Sybase Stored Procedure is run from a PeriPro application using SQLCLNT, it can result in the error "Stored procedure *ins_record* may be run only in unchained transaction mode" Error Code 00007713." *ins_record* is a user defined stored procedure.

Solution:

Use Sybase's interactive utility, **isql**. Run the SYBASE system stored procedure named **sp_procxmode** and provide the parameters *ins_record* followed by the mode string "anymode".

Example: `isql>sp_procxmode ins_record, "anymode"`

PeriReporter

Q00950040 - PortSummHr report shows zeros

Issue:

The PortSummHr report in PeriReporter shows zeros in the time field after daylight savings time.

Solution:

Do not remotely run PeriReporter between systems located in different time zones. If the systems are geographically diverse, run PeriReporter on the system itself or, remotely on a system in the same time zone.

PERItlkt

Q01094550 - Not getting CLI/ANI, DDI information after issuing ALERT NAM in DPNSS system

Issue:

Within the PeriProducer environment, the System datacards of `DialedNumber` and `CallerNumber` do not get populated until the call is answered.

After performing a Get-Call and the Alert Call (this is for a DPNSS telephony protocol), the system datacards are empty.

Solution:

If the PeriProducer system variables are not updated after Answer (action Get Call) is invoked, then after the Answer, Action GET CALL, from the received protocol data returned in that block, use the DPNSS toolkit Element Get to get the selection IE.

Refer to the `$MPSHOME/PERItlkt/dpnss/samples/dpnssIn.ppr` sample for assigning variables to Protocol Received data/length fields in PeriProducer Answer block assignments. (No parsing of supplementary string data for calling or called party is included).

Then parse the `Selection_IE.cSelFieldString` for the following:

The calling party number goes anywhere in the supplementary information string of the selection IE as follows:

```
*50*calling_party_digits#
```

The called party number gets appended to the end of the supplementary information string of the selection IE, without any * or # characters. An example of a supplementary information string containing only the calling and called party digits would be:

```
*50*5551234#5555678
```

Where 555-1234 is the calling party and 555-5678 is the called party. Note that the called party number can appear after any supplementary string parameter, just as long as it is the last item in the supplementary information string.

Q01113072 - Problems with voipsdl after installing PB9**Issue:**

Issue affects only systems running H.323 protocol.

Solution:

This workaround ensures that if another patch is applied, the path for H.323 stays intact. The environment variable `LD_LIBRARY_PATH` is modified to put the `PERItms/lib` directory containing the `libq931.so` for H.323 ahead of the `$MPSHOME/lib` directory which contains a link to PERItkt's ISDN q931 protocol's `libq931.so`. This ensures the `PERItms/lib/libq931.so` for H.323 is found first.

To modify the `LD_LIBRARY_PATH` perform the following:

Create/modify file `${MPSHOME}/common/etc/siterc.sh` to contain the following line:

```
LD_LIBRARY_PATH=${MPSHOME}/PERItms/lib:${LD_LIBRARY_PATH}
```

Create/modify file `${MPSHOME}/common/etc/siterc.csh` to contain the following line:

```
setenv LD_LIBRARY_PATH ${MPSHOME}/PERItms/lib:${LD_LIBRARY_PATH}
```

PeriView and PeriPDP

Q00494828 - Iconified Alarm Viewer generates dialog boxes

Issue:

When the Alarm Viewer is iconified and several alarms arrive in rapid succession, multiple Alarm dialog boxes open up, one after the other. This behavior inhibits the user from starting to use PeriView again.

Solution:

Open UserManager plugin, select your user Id in the user table. Click **Properties** button, select **Advanced** tab, click **Configure** button in the Fault Priority section. Change the fault priority of Fault Id 2021 and Fault Id 2022 to FAULT_LOG and save the change.

Q01012508 - Exception generated when attempt to change a component

Issue:

An exception occurs if the mmf config plugin is started and the user attempts to change the component while it is initializing.

Solution:

Restart PeriView and do not switch the component while the mmf configurator plugin is loading.

Q01017860 - Duplicate registration in alarm module

Issue:

When an application processor shuts down, there will be a duplicate registration to the associated MMDP Alarm module when it is restarted.

Solution:

Close the Alarm Viewer and reopen a new one.

Q01040551 - Performance issue

Issue:

A slow redraw or refresh rate of the windows within PeriView occurs in client mode.

Solution:

Run PeriView in browser mode.

TMS

Q00611256 - TMS failover

Issue:

In a redundancy configuration, about 15 minutes after failover or failback, the condition `origfail` is generated on the out-dialing lines.

This problem will persist for about ten minutes before the system recovers.

Q00662725 - Touchtone at end of TT terminated recordings

Issue:

There is 100ms - 200ms period of silence at end of recordings terminated by touchtones. In this case, part of the touchtone may be recorded when the system is under load conditions.

Solution:

Set the parameter `ttstrip` to 500ms (or more) to extend the silence period that is stripped from the end of the recording.

Q00937553 - Hung play on multiple lines

Issue:

In very rare cases, the player does not reset if the call is disconnected or reconnected. The result is the channel or port is no longer able to play any messages. The line will be out of service until the line is reset.

Should this occur, contact Certified Nortel Technical Support.

VXML

Q01584600- vxmli sending empty gcCallID results in alarm 20207 from the Nortel Speech Server

Issue:

VoiceXML applications that use PeriProducer for front end calls are causing alarms to be generated by the Nortel Speech Server. For example:

```
Thu Mar 08 10:46:17 <rcm> 20207 Line 13 info Comp #oscar.121-2  
(chan12:m2p38o2:DYNAM_de-CH) Failed to process parameter -  
Invalid syntax in parameter settings - Missing parameter value
```

These alarms are a result of PeriProducer applications that are interoperable with VoiceXML applications using either of the following:

- The line operations block.
- The Invoke a VXML dialog block within the VoiceXML toolkit where the VoiceXML toolkit that the application was generated with is prior to VXML patch vxm12.3.0.16.

Solution:

If the PeriProducer application is using the line operations block to communicate with the VoiceXML application, switch to the Invoke a VXML dialog block within the VoiceXML toolkit. Ensure the latest VoiceXML toolkit patch, vxm12.3.0.16 that is included in MPS 2.1 patch bundle 10 and higher, is installed on the system prior to generating the PeriProducer application.

If the PeriProducer application is already using the Invoke a VXML dialog block, install MPS 2.1 patch bundle 10 or higher and regenerate the PeriProducer application.

Refer to the *MPS VXML Browser User Guide* for additional information regarding PeriProducer and VoiceXML interoperability.

Notes**Oracle Client Install**

When Oracle client is installed on a Win2K system, the PATH variable is modified by the Oracle Client install, where the Oracle version of PERL is before the MPS version of PERL. The scripts that use perl, such as PeriRev and PeriReporter scripts, will not work.

Solution:

Move the Oracle perl path to the end of the PATH environment variable and reboot.

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5

Enhancements and Issues Addressed in the Patch Bundle

This chapter covers:

1. Enhancements and issues addressed in MPS 2.1
PB11
2. Enhancements and issues addressed in MPS 2.1
PB10

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Enhancements and issues addressed in MPS 2.1 PB11

The following table lists enhancements and issues made to the MPS 2.1 PB11 release

CR Id	Title	Forecast Patch Id
Q00745384	Nuance 8.5: JIT robustness	PERInu80r1.0.10
Q01481986	Nuance/VXML: Dual voice & DTMF input broken	PERInu80r1.0.11
Q01125129	Enh: sw30r: Full waveform capture	PERIsW30r1.0.11
Q01131141	PERIsW30r: Logging comment in sys-lvr-speechworks.cfg	PERIsW30r1.0.12 MPS2.1_PB11
Q01356316	OSR3.0.3 - selective endpointing does not recover after initial OOG utterance ?	PERIsW30r1.0.12 MPS2.1_PB11
Q01341957	sw30r: Use of VOID grammar distorts confidence scores	PERIsW30r1.0.14
Q01287630	Problem with keep-alives in tcaproxy / proxy.	ase5.0.0.43
Q00767786	Need ODBC support for VSUPD in ase 5.0	ase5.0.0.46
Q01033060	cf_speak (and host timeout) call function cannot accept CID on MPS	ase5.0.0.46
Q01167235	MPS500 makeengine failed	ase5.0.0.46
Q01241351	Vengine pgid's when call function lib configured as system lib	ase5.0.0.46
Q01291690-01	Periq fails to reconnect to BCM when bcm reboots	ase5.0.0.46
Q01337627	Primus: NORT242743 : Unable to play CMR token with prefix set	ase5.0.0.46
Q01345426-01	Modify vengine unable to support peripro development toolki	ase5.0.0.46
Q01353336	ODBC support in VSUPD is not working	ase5.0.0.46
Q01354141-01	MPS Developer has white cursor/Address Xvision support on XP	ase5.0.0.47
Q01444806	Certain numbers failing to be played in Hebrew	ase5.0.0.48
Q01370166-01	vtcpd Host down messages	ase5.0.0.49
Q01501048	periq round robin issue	ase5.0.0.50
Q01494765	When faxmgr crashes, inbound ports taking calls go noa or bsy	ase5.0.0.51
Q01458957	Prompt Interrupt Option not working in Dynamic Block Menu	ase5.0.0.52
Q01557806-01	Syntatically not correct PeriPro simulation script doesn't let to use correct one	ase5.0.0.53
Q01286040	Function "get-token-info" is broken	ase5.0.0.54
Q01500350	makeengine -T options needs to be removed since no multithreaded vengine	ase5.0.0.55
Q01515157	last-condition cond-data != System.ConditionData	ase5.0.0.56
Q00936189	Callfunction set-date-prefix does not work when speaking British dates (-Sr)	ase5.0.0.57
Q01332254	AVEA ASAI Link Stops Receiving VDN Details	cti2.1.0.69 cti2.1.0.76
Q01380534	CTI with ASAI link, TLS crashes every day.	cti2.1.0.69 cti2.1.0.76

Enhancements and Issues Addressed in the

Q01255223	IPML 2.1 Genesys CallID	cti2.1.0.71
Q01345353	Calls without CLI failed	cti2.1.0.72
Q01131564	TLS Failure Msgs are flooding the Alarm log	cti2.1.0.73
Q01314542	TLS is reporting erroneous Blind Transfer failures	cti2.1.0.73
Q01326325	GetEventData Issues with certain type of calls transfered into IVR	cti2.1.0.74
Q01083780	IPML2.1.0 script for VPS/is compatability needs to be run with new patch bundle	cti2.1.0.75
Q01380028	Primus: NORT248808 : IPML - Getting Incorrect Dnis. - CITI BANK / 3D Networks	cti2.1.0.76
Q01276559	Can not Retrieve calls on ICM TAPI	cti2.1.0.77
Q01013727	RSMLS in IPML 2.1 Caches last know multicast data	cti2.1.0.78
Q01378014	Incorrect DNIS in IPML2.1	cti2.1.0.79
Q01106662	IPML 2.1 circular logging for TLS	cti2.1.0.80
Q01239252	IPML 2.1 Log Files become corrupt intermittently.	cti2.1.0.80
Q00653606	IPML2.1 csvapi.cfg change in requirements for retry timer not being configurable	cti2.1.0.80 cti2.1.0.94
Q01097572-01	CSHDXLS does not come up if no license available	cti2.1.0.81
Q01337934	CSHDXLS DrWatsons in CCT 5.0 and CCT 6.0 on typing a vsh command	cti2.1.0.81
Q01405891-02	CCT 5+sus0202 cause side effect in IPML - duplicate for Q01398637	cti2.1.0.83
Q01461084-01	CCT lost connection to DMS under load	cti2.1.0.86
Q01472095-01	CCT screen pop with stale datas	cti2.1.0.87
Q01509238	Knova: CTI connection to VMS drops intermittently, VPS/is 5.4.2 with CSS2.1 2415	cti2.1.0.88
Q01512477	Knova: Blind CTI (ICM 2.1) transfers are looping back to 5.4.2 IVR and being pre	cti2.1.0.89
Q01523637	Calls are purged even though there is activity on the call.	cti2.1.0.90
Q01497062-01	cstapiscs crashes and creates dump file on ICM CCT	cti2.1.0.91
Q01578998-01	failure to do conference and transfer calls	cti2.1.0.92
Q01580807	Add IPML support for N+1 MPS redundancy	cti2.1.0.93
Q01333662-01	Primus: NORT242130 : perireporter hangs after upgrade to mps3.0	dist2.0.0.30
Q00921482	PERIdist: Znet option -d is not working properly.	dist2.0.0.31
Q01424716-01	zagnet.pl unable to retrieve env for mps3.0 Speech Servers	dist2.0.0.32 perl1.0.1.3
Q01396264	Nuance8.5:archive-logs and maintain-logdisk-space command does not work properly	dist2.0.0.34
Q01461081	when running gcarchive command, got error "Failed running tar on "	dist2.0.0.34
Q01466348-01	maintain-logdisk-space command got "unexpected error" for mps3.0	dist2.0.0.34

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Q01478897	OpenSSL security vulnerability and removal of RC5 & IDEA cipher.	dist2.0.0.35
Q01146786	ZAG requires security sensitive "Administrator" user	dist2.0.0.36
Q01152032	zag - can't zag to a paf app server	dist2.0.0.36
Q01155639	spwarchive -U (unpack) option does not work	dist2.0.0.36
Q01484436-01	znet alters file contents when fetching a file	dist2.0.0.36
Q01483265-01	zagnet, zagpatch, zagperirev does not work on win2003	dist2.0.0.37
Q01644570	archive-logs returned HTTP 500 status	dist2.0.0.38
Q01564231	Frameworks uninitialized local variables read during runtime	fw1.44
Q01339099	periq fails to connect to vmst	globl2.2.0.108
Q01345848	Vexconvert can not convert files Windows <--> Solaris	globl2.2.0.108
Q01345017	Request mps log file to include the year field	globl2.2.0.109 globl2.2.0.112
Q01354141-04	MPS Developer has white cursor/Address Xvision support on XP	globl2.2.0.111
Q00732813	vosKillAll mode is not handled properly by srp	globl2.2.0.112
Q01344399-01	Enh: nameservers.cfg support localhost	globl2.2.0.112
Q01358731	MPS2.1PB10: vosProcRestart=0 did work ,killed process did not go to NOrestart	globl2.2.0.112
Q01366670-01	ipc_Mprintf() limits output due to a buffer size constraint	globl2.2.0.112
Q01073982	pmgr doesn't detect multiple routes to Speech Server (was double channels issue)	globl2.2.0.113
Q01401663	perirev shows the wrong data on MPS2.1 peripro work station machine	globl2.2.0.114
Q01566232-01	rmcmp.plx deletes all \$MPSHOME directory	globl2.2.0.114
Q01612728	perirev displayed "PERIVIEW Workstation" on MPS2.1PB10 AP	globl2.2.0.114
Q01612752	Enh: perirev sort patch and patch bundle by install dates	globl2.2.0.114
Q01421451	srp vos -restart command does not work	globl2.2.0.115
Q01439837	hand-over to remote application fails when machine in nameservers.cfg is down	globl2.2.0.115
Q01493470	Telecom Italia: srp-12014 alarm not generated on MPS system	globl2.2.0.115
Q01511357	vxmli core dump at ATT	globl2.2.0.115
Q01532660	srp will SEGFAULT if a line-database file open error occurs	globl2.2.0.115
Q00901967	saveLogs logs when extracted, destroy current config files	globl2.2.0.117
Q01391191	LU6.2 protocol with PB10: Some tests show this error: hsndaifail	hostp2.1.0.23
Q01401309	Primus: NORT251352 : Problem receiving map. vpstn3270.	hostp2.1.0.26
Q01339130	Problem with HTMLS making HTTP POST requesting via PROXY	htmls2.0.0.12
Q01469025	htmls2.0.0.13 patch crashes, Reopened Q01451469	htmls2.0.0.15

Enhancements and Issues Addressed in the

Q01212620	vxmli - currency recorded mode intermittent problem building prompt labels	mps2.1.0.124
Q01246814	vxmli: mode="recorded" not using "better" concatenation consistently	mps2.1.0.124
Q01246859	vxmli: Broken decimal prompts with mode="recorded" class="number"	mps2.1.0.124
Q01363345	Primus: NORT246546 : Intermittent problem speaking currency using VXML	mps2.1.0.124
Q01402057	misclangs library has a name confliction with microsoft existing library	mps2.1.0.124
Q01466426	Spanish Date speaking "of" spoken verbiage, before speaking the Spanish month	mps2.1.0.124
Q01356422	Sendfax fails in MPS500	mps2.1.0.126
Q01372836	MPS500 send fax failure with more than 3 initial frames	mps2.1.0.126
Q01381266-01	Conversion of tiff2vps produces half image - MPS	mps2.1.0.128
Q01413051	pool name returned has been truncated if route entry greater than 3 in lcr.	mps2.1.0.129
Q01417989	Send prompt done message to recognizer sometimes not done	mps2.1.0.130
Q01422379	PB10 - oscar fails to change lable - sometimes	mps2.1.0.130
Q01453551	pmgr fails to allocate resource - during peak load	mps2.1.0.131
Q01490841-01	When using autoid with ttdet, various race conds exist in ccm -	mps2.1.0.132
Q01047475	WVADS: NSP timeout not implemented	mps2.1.0.133
Q01062558	faxmgr error on open/close MMF files	mps2.1.0.134
Q01462242-01	The TagLineFont file default path is wrong on win2003	mps2.1.0.134
Q01393762	MPS2.1: faxmgr core during the load test -E1 systems	mps2.1.0.135
Q01578469	In ccm, corrected a typo in a path that never gets executed.	mps2.1.0.136
Q01578282	Provide UP/DOWN status of the phone line to the application.	mps2.1.0.136 globl2.2.0.116 ppro3.00.22
Q01412048	Primus: NORT248724 : Periview Host Status not display true status TCP/IP host	mps2.1.0.137
Q01412211	Primus: NORT252732 : Unable to read host screen on pooled host	mps2.1.0.137 globl2.2.0.118
Q01418970	Introduce new v-shell command to get screen on the specified pooled vt.	mps2.1.0.137 globl2.2.0.118
Q01440878	Unable to send data to pooled host (Primus: NORT252732)	mps2.1.0.137 globl2.2.0.118
Q01451606	Need to implement command getvt for the use from v-shell	mps2.1.0.137 globl2.2.0.118
Q01548877	Faxmgr under cpu load not freeing fax resource for a line	mps2.1.0.138
Q01597989	Faxmgr cored 1/2 hour to 6 hours during load test	mps2.1.0.138
Q01613205	vmm core during loadtest (receiving faxes into mmf file)	mps2.1.0.139
Q01289856	rcm needs to be re-built against latest plic.lib	oscar6.0.1.35

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Q01337454	mrs allocation /send-resource didn't work with previous patch.	oscar6.0.1.35
Q01481398-01	MRS RCM has memory leak with growth in the 200MB range over weekend test	oscar6.0.1.36
Q01390711	multiple instances of mmdp is running after the patchbundle installaion onMPS2.1	pdp2.10.19
Q01434418	MPS2.1 : periview lost connection to mmdp Reordering of apps through Appman	pdp2.10.20
Q01579509	mmdp.rules needs to be modified to refer to the distributed xerces library path	pdp2.10.22
Q01385099	Cluster remains in the topology tree after its removal from clusterCONFIGURATOR	pdp2.10.22
Q01391313	Peripro SQL: An error appears when input an expression for DSN	ppro3.00.21
Q00522689	VocMan Export/Stub Prefix: allow 'cancel'	ppro3.00.22
Q00546147	Conversion log edits	ppro3.00.22
Q00652106	PeriPro 3.0: data-length & get-parameter	ppro3.00.22
Q00716478	Enh: peripro should start up when ppr files double clicked in Win Explorer	ppro3.00.22
Q00733172	Add -R option to peripro command line.	ppro3.00.22
Q00831740	PeriGEM fails to play prompts from datacards unless a vocab item already spoken	ppro3.00.22
Q00832894	PeriPro30: Change Bridge Connect Listen Path menu options	ppro3.00.22
Q00870801	Numdemo sample application needs some updates.	ppro3.00.22
Q00870834	ENH: peripro generator - default vocabulary field should be increased	ppro3.00.22
Q00873246	numdemo needs to tell user to press 0 to break the loop	ppro3.00.22
Q00875597-01	Unable to pass public folder to linked application.	ppro3.00.22
Q00892279	MPS Developer: Link option doesn't always work	ppro3.00.22
Q00901851	PeriPro 3.0: Prompt window doesn't allow international/control characters	ppro3.00.22
Q01124510	Peripro V3 - Switch Block - stmt containing arithmetic evaluation not working	ppro3.00.22
Q01184876	PERIpro cannot get license from plicd in a win2k development system.	ppro3.00.22
Q01287990	peripro get license failed on XP off the network	ppro3.00.22
Q01354141-07	MPS Developer has white cursor/Address Xvision support on XP	ppro3.00.22
Q01358554	PeriSQL displays wrong RDBMS type for INFORMIX and DB2	ppro3.00.22
Q01358577	PeriSQL displays wrong RDBMS type for INFORMIX, MSSQL, and DB2	ppro3.00.22
Q01374216	Primus: NORT248172 : Speak fail error when trying to speak to the caller	ppro3.00.22
Q01391476	Can't save any changes made to Developer in Generator properties.	ppro3.00.22
Q01401666	running the peripro command it gives libpstudiocl.so library unavailable error	ppro3.00.22
Q01457992	PB10 Complication error when a .ppr has a locally based filename in a datacard	ppro3.00.22

Enhancements and Issues Addressed in the

Q01473171	Enh: In refer block, use parameter datacard name if its description is empty	ppro3.00.22
Q01502216-01	peripro core dumping when attempting to print flow diagram of large ppr	ppro3.00.22
Q01503717-01	MPS Developer: Print option generates PostScript with DSC violation	ppro3.00.22
Q01524906-01	MPS Developer error console disappears immediately after creation on Win XP	ppro3.00.22
Q01622361	Peripro core dumping when attempting to page an application ppr	ppro3.00.23
Q01166931-01	Enh:give warning for invalid date in PeriReporter Report Scope	prpt1.21.32
Q01435229	mps reporter not counting 2nd cps in report output. only works for 1 cps	prpt1.21.32
Q01287997-02	peristudio get license failed on XP off the network	pstu2.20.21
Q01143729	peristudio meter indicator does not work well	pstu2.20.22
Q01171560-01	Primus: NORT214194 : sqlclnt coredumping with segmentation fault	rdb2.0.16
Q01354141-02	MPS Developer has white cursor/Address Xvision support on XP	rdb2.0.16
Q01370164-01	Sqlclnt db2 gives Memory Buffer Overflow when executing a stored procedure	rdb2.0.16
Q01407783	perisql crash displaying objects on mssql 2005	rdb2.0.16
Q01426516	sqlclnt in NORESTART after applying PB10	rdb2.0.16
Q01435127	Sqlclient fails to respond	rdb2.0.16
Q01446789	Knova: Sqlclnt will not reconnect 3734996_draft	rdb2.0.16
Q01451267	PeriSQL problem after installing Patchbundle 10, additions and rdb2.0.16	rdb2.0.16
Q01460915	The COMMIT function of PeriPro SQL block does not function properly.	rdb2.0.16
Q01461941-01	Sqlclnt with DB2, issue with multiple result sets	rdb2.0.17
Q01476031	Knova: MPS500: Windows 2.1 with Microsoft SQL Server in Cluster Self-Service	rdb2.0.17
Q01513346-02	PeriSQL ended abnormally when connecting to Oracle DB	rdb2.0.17
Q01341039	V2 traps from MPS trap iod received by rocket NMS has extra "0"	snmp5.5.0.11
Q01624278	PERIsnmp patch install failed on renaming of S19snmp.startup	snmp5.5.0.11
Q01028671-01	Enhancement to address the backward compatibility mode support in the toolkit	tlkt1.0.0.10
Q01440142-03	Toolkit changes for diagnostics field in CAU parameter - extended mode 8	tlkt1.0.0.10
Q01536970	SS7Startup block in SS7toolkit does not work for variants other than ITU	tlkt1.0.0.10
Q01368361	SS7 toolkit enhancement to support missing ISUP msg folders & latest ext'ed mode	tlkt1.0.0.9
Q01401263-01	Implement Hong Kong IDAP ISDN on the MPS	tlkt1.0.0.9
Q01337155	Questions on using CAS on an Alcatel Switch	tms1.3.0.41
Q01338958	Primus: NORT242922 : Lines are not removed from the pool when d-channel down	tms1.3.0.41

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Q01341292	D Chan Status column for DLT spanstatus report incorrect	tms1.3.0.41
Q01409888	CCSS_6.3 - System can not find the file "t1_esf_ss7_proxy.cdf" when starting	tms1.3.0.45
Q01418395	R22 india Protocol on MPS 500 Outbound call fails.	tms1.3.0.45
Q01447805	Send fax times out sometimes when destination autodetects CNG tone from mps.	tms1.3.0.45
Q01386188	To enable CPD tones setting for Israel	tms1.3.0.46
Q01463723	MPS3.0 DPNSS calls with DDI in ISRM will not deliver DDI to application	tms1.3.0.46
Q01487818	Calls not answered with Dpnss testing	tms1.3.0.46
Q01530073-01	Cardtypes.cfg: NIC-2001 revised and issued as Rev. B, also provide flash script.	tms1.3.0.48
Q01587113	DPNSS does not support reception/toolkit retransmission of subsequent CCM msgs	tms1.3.0.48
Q01618625	SRP reboot crashes seimens switch with DPNSS	tms1.3.0.48
Q01655127	Implement LE1 CAS Plus protocol	tms1.3.0.48
Q01655129	Implement QSIG variant of ISDN	tms1.3.0.48
Q00857486	MMDPConfigurator: Msgs/Prompts need revision	view2.10.20
Q00873314	MMDP Configurator: prompt user the valid number range	view2.10.20
Q01014845	linked app status plugin context label null for some expansions, & graph wrong	view2.10.20
Q01182953-01	Comment out button needs to be double clicked to comment, change to one click	view2.10.20
Q01367561	MPS2.1: Misleading information during closure of MPS configurator tool	view2.10.20
Q01405437	MPS2.1 periview: Truncated Application input parameter text at Application conf	view2.10.20
Q01413425-01	User can select more than one switch type in Telephony Link Server Type window	view2.10.20
Q01416654-01	The option "Remove files" in App Man failed to work with vxml and ccxml apps	view2.10.20
Q01439282	Exception error happen when using "Linked Apps Status" plugin for admin lines	view2.10.20
Q01442967-01	missing icon at run wizard of MPS configurator	view2.10.20
Q01465642-01	MPS Configurator-Error when the "Enter MPScomponent number" dialog is canceled.	view2.10.20
Q01482842-01	Application Configuration plug-in doesn't support the `https?` path	view2.10.20
Q01522241-01	Error pops up in Application Configuration	view2.10.20
Q01522263-01	MPS2.1 PB10: MPSConfigurator: Error when canceling modifying Chassis/BPS number	view2.10.20
Q01362973	PeriView displayed wrong extension for vxml application name.	view2.10.20, pdp2.10.20

Enhancements and Issues Addressed in the

Q01414532	MMDP created without import option gets corrupted	view2.10.20, pdp2.10.20
Q01454740-01	Exception while using browser based MPS Manager to configure IPML server	view2.10.21
Q01534233-01	Select any Toplogy tree node attribute, status toolkit buttons are enabled	view2.10.22
Q01638247	Critical application name isn't displayed in the graph properly	view2.10.22
Q01638253	Can't remove all applications from the critical application list	view2.10.22
Q01576780	PeriView - Logging Options are not User Friendly for IPML Configuration	view2.10.22
Q01368685-01	vxmli must support Nuance OCS application	vxml2.3.0.18
Q01362982	vxml-oscar-setup did not work on mps2.1pb10	vxml2.3.0.19 dist2.0.0.31
Q01105671	vxmli: Hard-coded parameter defaults for Nuance are incorrect	vxml2.3.0.20
Q01427109-01	vxml_oscar-setup.pl in mps2pb10 does not work for OSR3	vxml2.3.0.20
Q01477085-01	VXMLI - OpenSSL security vulnerability	vxml2.3.0.21
Q01440426	vxml: NortelDefaults.xml never logs error _message	vxml2.3.0.22
Q01456209-01	vxml_oscar_setup.pl not work properly on MPSHOME short name path set by PAF/CDD	vxml2.3.0.22
Q00907422	Enh: Ability to set vendor specific properties in vxml	vxml2.3.0.23
Q01493787	vxmli core dumps	vxml2.3.0.23
Q01583947	vxmli need vsh option to display dish cache statistical info	vxml2.3.0.23
Q01047475	If there was goto tag in noinput tag, and goto tag directed call to field tag, then no prompt can be played out, and timeout seems to not work.	vxml2.3.0.24
Q01071545	Vxmli crashes when WVADS stop button is pressed during record.	vxml2.3.0.24
Q01564889	vxmli can crash when the VOS is stopped while processing a delete element request.	vxml2.3.0.24
Q01584600	Fix for Nortel Speech Server alarms regarding gcCallId being set with no value.	vxml2.3.0.24
Q01648158	Issue with extra OSR API calls on Nortel Speech Server. Requires PERIsW20r1.0.23, or PERIsW30r1.0.16 as well as special config on the AP and Nortel Speech Server.	vxml2.3.0.24
Q01654341	vxml_oscar_setup.pl enhancement in support of OSR VOID grammars.	vxml2.3.0.24
Q01657404	vxmli crash during PV CDD test.	vxml2.3.0.24

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Enhancements and issues addressed in MPS 2.1 PB10

The following table lists enhancements and issues made to the MPS 2.1 PB10 release

CR Id	Title	Forecast Patch Id
Q00961533	rcm - OSR2 stuck channel	PERlsw10r1.0.22
Q01125129	sw30r: Crippled waveform capture	PERlsw30r1.0.8
Q01079954	ase5.0.0.28 appears to break Speechify TTS "gotres" report	ase5.0.0.33
Q01075183	calldaemon preserves file descriptor for AMU trace indefinitely	ase5.0.0.35
Q01101616-01	norestart condition doesn't work in some cases	ase5.0.0.35
Q01104428	vengine blocks signals INT and TERM after receiving them	ase5.0.0.35
Q01116248	get "Fail: undeliverable message resource 'sqlclnt'" with stored procedure for 4	ase5.0.0.35
Q01121512	PB9 fix of ignore causing major issues for customers, compat option is needed	ase5.0.0.35
Q01122964	resume doesn't work correctly	ase5.0.0.35
Q01076651-01	vtcpd - # of outstanding req not decremented when write failure occurs	ase5.0.0.37
Q01104432	vengine does not terminate if SIGINT is received in linked app	ase5.0.0.37
Q01109447-01	vtcpd: invertedmode might cause app resource to become unused	ase5.0.0.37
Q01140747	ase5.0.0.35 vengine return error code when application end successfully	ase5.0.0.37
Q01142020	Speak only "month" on PB9 does not work	ase5.0.0.37
Q01146375	periq in ase.cfg(ase will insert "V" but periq support "v")	ase5.0.0.38
Q01190313	Unexpected reply for "VAMP" request	ase5.0.0.40
Q01187858-01	Nortel MPS GEM simulation mode - Media operation import doesn't work	ase5.0.0.41
Q01120468	Simulated Host Interaction not working in Peripro 3.0	ase5.0.0.42
Q01214361	Problem with Geotel truncating callvar length data	ase5.0.0.42
Q01238207	VASSMlock created by vassm caused AppMan failure to start apps	ase5.0.0.42
Q01272314-01	vsupd kept going down every 15 minutes	ase5.0.0.42
Q01239994	vmst can not connect to another vmst using -W option	ase5.0.0.42
Q01240768-01	VTCPD - issue with demon	ase5.0.0.42
Q01240945	delay with BIND reply in vmst	ase5.0.0.42
Q01246883	vvpsactive does not show remote address	ase5.0.0.42
Q01235128	vengine - softterm not delivered from external container to calling app	ase5.0.0.42
Q01287630	Problem with keep-alives in tcaproxy / proxy.	ase5.0.0.43
Q01376652	FT: Physically poweroff the primary server, the changeover process takes so long	ase5.0.0.43
Q01323035	Support of Vietnamese Language in Peripro	ase5.0.0.45

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01039968	Support for NIC changes ported from tms101p to tms130p(MPS)	brdge2.1.0.7
Q01051606	MelCAS: time frame slipping	brdge2.1.0.8
Q01095558	ccxml join functionality is broken - No bridging	ccxml1.0.0.3
Q00883257	ccxml dropped a huge core dump	ccxml1.0.0.4
Q00887756	Support for HTTP .post method	ccxml1.0.0.4
Q00898172	ccxml was core dump and restarted itself with load test	ccxml1.0.0.4
Q00910576	ccxml needs dlog capabilities	ccxml1.0.0.4
Q00924567	ccxml interpreter does not validate ccxml apps with DTD header or schema header	ccxml1.0.0.4
Q00954798	CCXML tdccx305 calling card application frequent core dump problem	ccxml1.0.0.4
Q00954806	CCXML tdccx305 calling card app memory and CPU usgae grow problem	ccxml1.0.0.4
Q00957603	ccxml sends status as public not private	ccxml1.0.0.4
Q00996091	CCXML interpreter logging an false error	ccxml1.0.0.4
Q01060938	ccxml Dr. Watson during Win2K load test	ccxml1.0.0.4
Q01082405	CCXML on windows stops running apps after running for a couple hours	ccxml1.0.0.4
Q01096571	ccxml -u and ccxml -d commands hang on windows box	ccxml1.0.0.4
Q01099664	event file used in ccxml command line options on windows box not working fully	ccxml1.0.0.4
Q01100203	Win2K - events seem to be stuck in queue until disconnect	ccxml1.0.0.4
Q01173609	ccxml simultaion displayed unnecessary error	ccxml1.0.0.4
Q01053829	Caller in a conference hangs up. Call Cleared Event generated not PartyDropped	cti2.1.0.37
Q01077023	IPML 2.1 - Cellcom - HDX Get Call data Fails from SCCS Script	cti2.1.0.38
Q01083508	IPML 2.1 - SCCS Unable to retrieve call data when TAPI is the data source	cti2.1.0.39
Q01093180	Enhancement to control DTMF tone duration	cti2.1.0.40
Q01097567	RSM data not always received during RSM tests	cti2.1.0.41
Q00891330	Need NetworkCallID, NetworkTransferCallID, NetworkTransferredCallID in TLink Data	cti2.1.0.42
Q01101190	IPML2.1/VPS PeriPro CTI Toolkit Cannot Parse TLinkData	cti2.1.0.42
Q01099414	IPML2.1.0 has error sending data back to SCCS after patch CTI2.1.0.39 installed	cti2.1.0.43
Q01103234	IPML sent oc to vms on the mps but oc from csvapi going to wrong destination	cti2.1.0.44
Q01098857	Need to include tlinkdata that indicates reason for call/connection cleared.	cti2.1.0.45
Q01102312	IPML must provide details diagnostics in the event of misconfiguration	cti2.1.0.45

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CR Id	Title	Forecast Patch Id
Q01104525	Numerous TLS Blind Xfr Response failures due to "Request Timer Expired"	cti2.1.0.45
Q01103922	No Event Data passed to applications	cti2.1.0.46
Q01111184	IPML Fails to get a license on reboot	cti2.1.0.47
Q01106657	IPML 2.1 TLS errors, multiple invalid callids	cti2.1.0.48
Q01106939	CTI Toolkits blindtransfer problem on PB9 ipml 2.1 with Genesys	cti2.1.0.48
Q01114811	IPML 2.1 is not processing CallIDs correctly during transfers	cti2.1.0.48
Q01056672	Calldata NOT being deleted causing stale screen pops	cti2.1.0.49
Q01127620	IPML 2.1 Stale Data	cti2.1.0.49
Q01146027	Fail to get CTI event after initiate ORIGINATE CALL	cti2.1.0.51
Q01152962	Need to retrieve ConnID from GTS switch	cti2.1.0.52
Q01162208	The RN number not recognized by IVR	cti2.1.0.54
Q01122333	TLS.log file is deleted when IPML is rebooted.	cti2.1.0.55
Q01180753	TLS Dies on PeriASAI Server at Monster.com	cti2.1.0.55
Q01145900	HDX link doesn't re-establish after IPML restart	cti2.1.0.57
Q01157258	Memory leak by TLS.exe process on IPML 2.1	cti2.1.0.58
Q01163721	Memory Leak in TLS for IPML 2.1	cti2.1.0.58
Q01190827	TLS memory leak when running with Softphone	cti2.1.0.58
Q01200008	IPML failed to get RSM info	cti2.1.0.59
Q01207760	HDX not connecting with SCCS R5 SU5S	cti2.1.0.60
Q01207939	cshdxls crashes when it can not connect to SCCS and fills up drive	cti2.1.0.60
Q01179070	After m1 cpu swap csvapi does not reregister DN's	cti2.1.0.61
Q01204464	Problems Releasing call control from Perilink to Avaya G3	cti2.1.0.62
Q01229396	Primus: NORT224166 : No dnis being passed	cti2.1.0.63
Q01252829	IPML 2.1 - Blind transfer to an invalid number	cti2.1.0.64
Q01256578	no callid alarm after call transfer	cti2.1.0.64
Q01305744	Reuters tls Alarm Messages 90075 and 90073	cti2.1.0.64
Q01294945	call forward message does not seem to be understood by tls and perilink server	cti2.1.0.65
Q01308609-01	CCT Licensing for limited devices fail to block licenses for more than the limit	cti2.1.0.67
Q01337528	New tls.exe image should be copied to cshdxls.exe cstapils.exe and csrsmis.exe	cti2.1.0.70
Q01368914-01	CCT 6.0 fails to send call cleared event with Avaya G3	cti2.1.0.76

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01161853	Genesys CTI 2.1 - Slow response of call data requests	ctitk2.1.0.7, cti2.1.0.56
Q01219375	Insufficient Variable Length	ctitk2.1.0.8
Q01311513-01	AVS error for Send TAPI data CTI toolkit	ctitk2.1.0.9
Q01084498	apache in Dist 2.0 is horribly old and insecure	dist2.0.0.21
Q01317413	How to disable HTTP trace due to customer's security requirements	dist2.0.0.21, dist2.0.0.29
Q01268275-01	pfw hangs if windows kills thread, result pfw suck in mutex lock on shutdown	fw1.42
Q01100272	Zap process failing when large number of mmf's activated	globl2.2.0.100
Q01193260	genalm sockets get stuck in CLOSE_WAIT state	globl2.2.0.101
Q00905047-03	ASC library is not thread safe	globl2.2.0.102
Q01286191-01	pbootpd Dr watsons on windows 2003 box	globl2.2.0.103
Q01285962	mls -y option not ported to MPS	globl2.2.0.104
Q01304218	mvcmp - missed entries on audio server	globl2.2.0.105
Q01313124-01	Perisip process crashing in SIP server while running slow start application	globl2.2.0.106
Q01324556-01	ASC Should not be print messages to stdout	globl2.2.0.107
Q00812721-01	PeriView displayed wrong extension for vxml application name.	globl2.2.0.92
Q01090744	snmp command for shutting down the vos components on windows box does not work	globl2.2.0.92
Q01136621	Occasionally, srp kill of apps fails delaying call protect failover	globl2.2.0.92
Q01308279	scp does not work with vsh	globl2.2.0.92
Q01316500-01	Enh: Ability to terminate a common/gen.cfg using a ctrl break.	globl2.2.0.92
Q01323636-01	Secondary AP srp stuck on PRERESTART when primary failback	globl2.2.0.92
Q01107333	srp.cfg is intolerant of spaces and inline comments	globl2.2.0.92
Q01122365	Primus: NORT205992 : SRP crashes when reconnect the network ethernet connection	globl2.2.0.92
Q01127230-01	Primus: NORT206802 : core dumps on n=1 redundancy	globl2.2.0.92
Q01159497	tappman failed to start vxml apps	globl2.2.0.92
Q01179926	ccm core dump during the oscar load tests	globl2.2.0.92
Q01198469	MPS Manager, secondary mps component didn't go yellow after stop/start	globl2.2.0.92
Q01254624-01	SRP down issuing tappman command on windows platform	globl2.2.0.92
Q01266133-01	mps2.1 rcd process dumps core on secondary AP	globl2.2.0.92
Q01296616-01	MPS2.1: unable to specify the full path in vos.cfg , srp terminates	globl2.2.0.92
Q01296925-01	srp-c: option did not work	globl2.2.0.92

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CR Id	Title	Forecast Patch Id
Q01306172-01	VMM core file during SRP shutdown	globl2.2.0.92
Q01316271-01	nriod crashes on windows.	globl2.2.0.92
Q01084240	PERlfft does not run in korn shell on win2k w/ PB9	globl2.2.0.94
Q01193362	Multiple Alarmd and Alarmf issues	globl2.2.0.95
Q01072951	Alarm Daemon core dumps on standby after fail-back to primary server (N+1)	globl2.2.0.95
Q01097278	vxml app stats - not all stats counter event written to appstats file	globl2.2.0.96
Q01040592	mcp fails to play builtin:<vocabulary>/<label> if file not in PERlmps/misc	globl2.2.0.97
Q01117867	mxpsp mcp prefetch of mmf prompt fails to find some vocab items	globl2.2.0.97
Q01026945-01	Single quote causing error in avs parsing	globl2.2.0.98
Q01099245	WVAD - Execution View alarm window does not connect up when srp starts	globl2.2.0.99
Q01328929	lu6.2 host protocol is recompiled with Brixton 4.1.2 package	hostp2.1.0.10
Q01328922	atte 'show-conf' gives an incorrect vt range	hostp2.1.0.12
Q01168335	Vt 100 telnet sessions fail on the mps system	hostp2.1.0.13
Q01206102	Primus: NORT220195 : MPS vpstn3270 host reconnection issue	hostp2.1.0.14
Q01284430	Defect [001] - Geotel Msg Call_Cleared_Event needs TrunkGroupID and TrunkNumber	hostp2.1.0.15
Q01287656	User needs to set vt100 (atte) hostname and port number from application	hostp2.1.0.16
Q01337348	Primus: NORT242742 : Host connects with Session and SDT but the screen is blank	hostp2.1.0.17
Q01342414	Primus: NORT243438 : Unable to access tn3270E host in MPS2.1	hostp2.1.0.18
Q01359282	MPS2.1: atte core dump and failures on 64 lines for atte_host protocol	hostp2.1.0.19
Q01352185	PG simulator is not handling CALL_CLEARED_EVENT message length correctly (PB10)	hostp2.1.0.20
Q01365484	Primus: NORT246877 : Intermittent problem accessing vpstn3270 pooled host	hostp2.1.0.21
Q01377089	geotel core dump after running debug 145	hostp2.1.0.22
Q01098739	MPS500 htms cannot release sessions	htms2.0.0.11
Q01129595-02	Primus: NORT207264 : character encoding for Java -> PeriJSB -> PeriPro interface	jsb1.3.0.5
Q01223868	jsb1.3.0 does not return exception name when called method throws exception	jsb1.3.0.6
Q00888828	Primus: NORT165432 : paths in environment scripts are wrong	mps2.1.0.100
Q01026945	pwd	mps2.1.0.101

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01131205	Enhancement for MPS release 2.1 to support using CPD to detect TDD tones.	mps2.1.0.102
Q00879446	NoSpeechTimeout has no effect in Recognition only mode	mps2.1.0.103
Q01065680	WVADS: Wrong values shown for dtmf firsttime & intertime	mps2.1.0.103
Q01099714	mcp should send out a message to WVADS tool when any mmf item cannot be found	mps2.1.0.103
Q01099735	WVADS tool should be notified when a prompt was played	mps2.1.0.103
Q01109454	vxmli - prompt value mode=recorded class=currency does not handle decimal	mps2.1.0.105
Q00964302	Speak as Credit Card for mxcontrib library and vxmli	mps2.1.0.105 vxmli2.3.0.17
Q00863587	LCR update	mps2.1.0.106
Q01184400	CMR - ItemPrefix	mps2.1.0.108
Q01172644	Primus: NORT214374 : Standby AP getting cronjob errors filling up unix mail	mps2.1.0.109
Q01153189	ccm runaway CPU usage, call handling hangs, all else looks normal	mps2.1.0.110
Q01194406	latest vxml interp causes ccm to generate an alarm	mps2.1.0.110
Q01232130	CMR recording not returning silence condition	mps2.1.0.110
Q01235526	VXML Recordings exceed MAXTIME	mps2.1.0.110
Q01199714	After PB9 Upgrade on 2 MPS-1000's CMR termchar of # does not function	mps2.1.0.111
Q01220076	vmm mmfst show negative numbers for EAP's loaded in the mmfst report	mps2.1.0.112
Q01265680	vmm doesn't use mmfname when checking the update / delete queues (only EAP #)	mps2.1.0.112
Q01247896	conference stuck on Listen Only channels	mps2.1.0.113
Q01248216	dlt conflist displayed unreasonable information or garbage data	mps2.1.0.113
Q01251117	ListenOnly failed to join conference when condference had 16 physical ports	mps2.1.0.113
Q01302470-01	Conference manager does not handle failed bridge create requests properly	mps2.1.0.113
Q01079651	Primus: NORT197971 : getting blocked channels...	mps2.1.0.114
Q01251968	Enhance CCM to auto-correct the flags in a play request	mps2.1.0.114
Q01269033	Record fails when MAX len is set to 1 second and recording reaches its MAX len	mps2.1.0.114
Q01289446	lcr file_clean.plx script is not running properly from psched W2k	mps2.1.0.117
Q01285297-01	tcad does not generate IDF file for SS7 in Win 2000 boxes	mps2.1.0.118
Q01292710-01	buildin vossim.exe did not work	mps2.1.0.119

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CR Id	Title	Forecast Patch Id
Q01295273-01	Calls fail when applications are started in 240 lines	mps2.1.0.120
Q01336237	Need a script to detect TMS revision level of an existing MPS 2.1 system	mps2.1.0.121
Q01335592-01	Span number problem when using FFT mode in field factory test, shows 23 lines	mps2.1.0.122
Q01342926	modified file_clean.plx is not copied to %MPSHOME%\common\lcrstats dir	mps2.1.0.123
Q01356519	vamp core on terminating conference test apps by tappman	mps2.1.0.125
Q01360783	Prolonged "#" key not working in PERIPRO 3.0	mps2.1.0.127
Q01007143-01	MX Contrib never resets to the default prefix	mps2.1.0.82
Q01139478	Speaking a zero dollar amount in Spanish crashes vxmli	mps2.1.0.82
Q00752803	confmgr failed to destroy all conference after conference application was killed	mps2.1.0.86
Q00828383	Date errors in MMF Element Reference Status Report	mps2.1.0.95
Q01047169	MPS 1000 remote vmm mmfst, output is truncated	mps2.1.0.95
Q01064995	MPS500 VMM crash	mps2.1.0.95
Q01096040	vmm crashing, MPS restarting	mps2.1.0.95
Q01112700	mmfupdate setting format to ulaw	mps2.1.0.95
Q01126199	MPS500 CMR recording issues	mps2.1.0.95
Q01015322	Length error undetected at read block	mps2.1.0.96, ase5.0.0.28, ppro3.00.16
Q01075821	N+1 redundancy & Bridge Calls not working	mps2.1.0.98
Q01083349	vamp coredumping on SS7 system	mps2.1.0.98
Q00916157	Implementation to handle Progress event needs to change in vamp	mps2.1.0.99
Q01114820	Vamp does not send response to StartApp request.	mps2.1.0.99
Q01333558	GCLOG doesn't cleanup audio files when disk reaches max. capacity	oscar6.0.1.33
Q01002598	Periview shows AP changing all the time from black to green	pdp2.10.15
Q01276322	Alarms appearing in log viewer on mps 2.1	pdp2.10.16
Q01357895	The numspans attribute appears as 0 on the MPS 2.1 system with 8 spans	pdp2.10.18
Q01375428	MPS2.1:Removal of data provider from MPSconfigurator didnt update Navigatiantree	pdp2.10.18
Q01345017-02	Alarm viewer need to support log file entries with year field in it.	pdp2.10.18 , view2.10.18
Q01367441	MMDP created with import option gets corrupted.	pdp2.10.18, view2.10.18

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q00926678	PERIplc license daemon not starting on Windows system	plic1.2.0.10
Q01128480	plicmon timeouts after it gets one license product from an active license server	plic1.2.0.10
Q01359485	ausvr1.1.0.24 Failed to get license, failing on plicnlt() API	plic1.2.0.10
Q01331185-01	MPS2.1 PB10 solaris :Plicmon -p core dumps on solaris	plic1.2.0.11
Q01331188-01	MPS2.1PB010 solaris : plicmon -t option core dumps on sun solaris	plic1.2.0.11
Q01287960	plicd.exe crashed on XP off the network	plic1.2.0.8
Q00947772	plicd: active/standby problem if plicd contact via customer LAN	plic1.2.0.9
Q00559626	Select Input block needs to be greyed out since it is not supported	ppro3.00.17
Q01098313	Switch block Print omits Resume connector	ppro3.00.17
Q01119917	Peripro3.0 attach to application, then vmst connection broken	ppro3.00.17
Q01184876	PERIpro cannot get license from plicd in a win2k development system.	ppro3.00.17
Q01233290	Primus: NORT224743 : When using multiple prompts for a Length Error reprompt, sy	ppro3.00.17
Q01235059	Enable Sqlclnt buttons for MSSQL	ppro3.00.17
Q01247868	peripro 3.0 bug case condition error if comment in code	ppro3.00.17
Q01280593-01	peripro crashing when trying to access login screen for SQL sign on	ppro3.00.17
Q01291994	In the media block (Import item) there is no direct way of accessing the item	ppro3.00.17
Q01310235-01	MPS GEM should say mps instead of vps0000	ppro3.00.17
Q00474623	Select block shows "E" selection in PERIpro3.0 sample numdemo.ppr	ppro3.00.18
Q00837461	Change numdemo vocab file 'NUMBER DEMO GREETING' vocab item	ppro3.00.18
Q01143528	3.01:Filename as datacard in saved container cannot be used	ppro3.00.19
Q01274214-01	System block -> Expression: Fullnames check button is renamable	ppro3.00.20
Q01287990	peripro get license failed on XP off the network	ppro3.00.20
Q01058697	Primus: NORT193820 : PeriConsolidator with -d option removes current days stats	prpt1.21.29
Q01087585	Error while exporting report in PeriReporter	prpt1.21.29
Q01134805	Perireporter fails to report app stats	prpt1.21.29
Q01149032	MPS Reporter spews java messages on startup on MPS3.0 - java 1.5	prpt1.21.29
Q01296238	PeriReporter WARNING: Duplicate name in Manifest: Depends-On	prpt1.21.29
Q01026008	Primus: NORT187698 : PeriReporter numbers not displayed correctly	prpt1.21.30
Q01046874	Primus: NORT191316 : Perireporter scripts do not run due to permissions problem	prpt1.21.30

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CR Id	Title	Forecast Patch Id
Q01158608	Enh: make Report Scope label background color be same as the window color	prpt1.21.30
Q01125744	MCP corruption in audio	pstu2.20.18
Q01216843-01	pstudiocl library - mcp sometimes receives play datasegement fail from pstudiocl	pstu2.20.19
Q01287997	peristudio get license failed on XP off the network	pstu2.20.20
Q01087861	SQLCLNT problem with Oracle stored procedures	rdb2.0.11
Q01113293	sqlclnt Help line duplicated	rdb2.0.11
Q01123805	sqlclnt autocommit option -c only works if it is last in command line	rdb2.0.11
Q01168715-01	PeriRDB rounding off numeric values	rdb2.0.11
Q01025982	Primus: NORT187686 : Vengine is cor'ing in the next record block for SQL client	rdb2.0.12
Q01084730	Win2K - exceptions for oracle odbc are not being properly mapped at the sql bloc	rdb2.0.12
Q01098005-01	Primus: NORT201366 : Vengine intermittently dumps core in SQL block using ODBC.	rdb2.0.12
Q01102513-01	sqlclnt db2 memory usage growing over time	rdb2.0.12
Q01113256-01	Makefile does not have entry for creating cryptutil	rdb2.0.12
Q01115474-01	Memory leak in sqlclntodbc.c	rdb2.0.12
Q01139189-01	Primus: NORT200916 : rdb1.2.32 pre-rel patch crashed srp due to debuggin	rdb2.0.12
Q01151244	need pre-rel rdb2.0.12 for Win2k MPS 500	rdb2.0.12
Q01175876-01	Remove debug statements from RDB code.	rdb2.0.12
Q01200283-02	Extra spaces in character fields while inserting records through peripro	rdb2.0.12
Q01205833-01	Primus: NORT220194 : ODBC sqlclnt size growing exceeding swap space high water m	rdb2.0.12
Q01208580-01	Change in punix.dll requires code change in rdb source	rdb2.0.12
Q01228815	Oracle function call fails with Syntax error using sqlclnt	rdb2.0.12
Q01231312	Primus: NORT224461 : sqlblock MSSQL rdb debug messages enabled	rdb2.0.12
Q01250257	sqlclnt core dumping executing stored procedure that return resuts sets	rdb2.0.12
Q01272953	perisql crashes when displaying objects	rdb2.0.12
Q01308625	sqlclnt coredumping when Stored Procedure returns an ODBC error	rdb2.0.12
Q01231298	Primus: NORT224460 sqlclnt fails to connect to MS SQL database	rdb2.0.12
Q01252187	sqlclnt truncating fields width by 1 character when returning passed args	rdb2.0.12
Q01252575	SQLCLNT exit failed, when SRP stopped (sqlclnt controlled by SRP)	rdb2.0.12
Q01279954	sqlclnt error with buffer overflow	rdb2.0.12

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01306298	PeriSQL crashes accessing data on MSSQL server.	rdb2.0.12
Q01314498	Primus: NORT238477 : Win2k MS SQL sqlclnt not working.	rdb2.0.13
Q01365876-01	sqlclnt use of DataDirect ODBC driver reports warning from it	rdb2.0.13
Q01354186	Primus: NORT245292 : vengine core dump on next rec of Sybase sql result set,	rdb2.0.14
Q01359322	NORT246060 need debugging enabled for PERIrdp Sybase Driver	rdb2.0.14
Q01291690-02	Periq fails to reconnect to BCM when bcm reboots	rdb2.0.15
Q01368270	ROLLBACK function of PeriPro SQL block does not function properly	rdb2.0.15
Q01184858	snmp failed to renewal license when we have redundant license	snmp5.5.0.10
Q01199177	BASE : Self-Service/Base/C7 SNMP License Issue	snmp5.5.0.10
Q01341039	V2 trapns from MPS trap iod received by rocket NMS has extra "0"	snmp5.5.0.11
Q01246335-03	sip toolkit - SIPinitprimitive has compilation error given below	tlkt1.0.0.8
Q01063915	Changes require in SS7 toolkit and samples ccss6.3 applications	tlkt1.0.0.8
Q01094781	Q931 Send Init block and Q931 Element Add block failed to set send_data_len	tlkt1.0.0.8
Q01096464	Q931 Element Add block caused vengine core dump	tlkt1.0.0.8
Q01096479	Q931 MsgTypeGet container abends with blank protocol data and data len of 0	tlkt1.0.0.8
Q01096517	calling party number was not from IE if Originate Caller and Dialed Numbers	tlkt1.0.0.8
Q01099881	Update the H.323 Peripro TK to support TPM changes	tlkt1.0.0.8
Q01141997	PERItlkt dpnss supplementary info truncation at first embedded space	tlkt1.0.0.8
Q01142808	PERItlkt Q931 deficiencies	tlkt1.0.0.8
Q01162257	ETSI V3 variant specific parameter needs to be supported in SS7 toolkit blocks	tlkt1.0.0.8
Q01171101-01	dpnss sample dpnssOut.ppr originSimplest1 block had wrong Call Type	tlkt1.0.0.8
Q01181483	sip toolkit change for video	tlkt1.0.0.8
Q01221429-02	SIP toolkit "init primitives" block issue	tlkt1.0.0.8
Q01247095	tlkt dpnss and q931 samples readme file updated	tlkt1.0.0.8
Q01302436-01	Element Add abended and vcore if cTraceLvl=2	tlkt1.0.0.8
Q01303750-01	CUG folders not included in SS7 toolkit	tlkt1.0.0.8
Q01336530	PERItlkt samples should not have older compatibility mode selected	tlkt1.0.0.8
Q01344425	PERItlkt h323 toolkit containers output errors when app is generated	tlkt1.0.0.8
Q01367440	PERItlkt SIP Include folder issues	tlkt1.0.0.8
Q01258195	CPD for FAX, MODEM, SIT not working on MPS500	tms1.3.0.19

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CR Id	Title	Forecast Patch Id
Q01274869-01	Reject call block hung for ISDN	tms1.3.0.19
Q00929476	ISDN span needs to be first span in multiple protocol configuration	tms1.3.0.34
Q01012244	dpnss: o2 Germany lines becoming offline during load test	tms1.3.0.34
Q01053492	MPS500 has UAS alarm and call drop	tms1.3.0.34
Q01055258-02	Add Board revision to TMS web page	tms1.3.0.34
Q01068849	Differences in Statistics reports between VPS/is and MPS - clearly documented	tms1.3.0.34
Q01076285	Add support for Japanese ISDN (NTT) on the MPS platform	tms1.3.0.34
Q01084739	Primus: NORT199164 : Problem using User Edit Seq, getting "getinputfail".	tms1.3.0.34
Q01087697	Melcas DMS 'forced' lines	tms1.3.0.34
Q01088290	Primus: NORT199884 : cpd fails	tms1.3.0.34
Q01092560-02	Sip and ISDN on MPS500	tms1.3.0.34
Q01097010	ATT Transfer Connect feature Out of Band (OOB) (via FACILITY message) sample app	tms1.3.0.34
Q01104245	Bridge Request from NIC missing data	tms1.3.0.34
Q01104264	RTC clear decrements count if rtc already disabled	tms1.3.0.34
Q01076278	Add enhancement to allow the CPD to detect TDD caller	tms1.3.0.35
Q01099053	Primus: NORT201558 : Incorrect number of Totalcalls reported.	tms1.3.0.35
Q01103429	Primus: NORT202392 : Hookflash transfer problem	tms1.3.0.35
Q01126675	Add support for Virtual Channels in DPNSS	tms1.3.0.35
Q01128657	CPD outnoa not working with PB9	tms1.3.0.35
Q01142796	Question about	tms1.3.0.35
Q01145070-02	Generic Module test sub-script "tms2500_plltest_TMS.kms" does not fully cleanup.	tms1.3.0.35
Q01150395	Outdial fails with CPD disabled in protocol file; hookflash transfer works	tms1.3.0.35
Q01006993	TIM : Under heavy load getting H.323 call failures	tms1.3.0.36
Q01133895	Ericsson EL7 CAS inbound calls not answered and outbound blind calls end in NOA	tms1.3.0.36
Q01147765-03	ncd 10004 - unexpected "in service GREEN" message disturbing, why generated?	tms1.3.0.36
Q01150200	Primus: NORT210576 : Apps getting unexpected conditions - TMS crashing	tms1.3.0.36
Q01161132	Primus: NORT212550 : Does Nortel provide ISDN Link Status Alarms	tms1.3.0.37
Q01170730	How to configure MPS and Application to receive ISDN message/ Information Element	tms1.3.0.37

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01170810	Primus: NORT213823 : Intermittent problem detecting voice after outdial	tms1.3.0.37
Q01173426	Logging in the TMS TIM protocol Control process does not show line number	tms1.3.0.37
Q01182352-02	Transmit Ethernet errors could cause hang in LAN driver.	tms1.3.0.37
Q01098393	TRIP failures Missed Pings (in addition to the VMM issue)	tms1.3.0.38
Q01184731	ports getting stuck in bsy or rdy state intermittently	tms1.3.0.38
Q01187450	Can Mps2.1 meclas support dnis via dtmf or ddi or get dnis via protocol data?	tms1.3.0.38
Q01191757	MPS-500 fails when PB9 is installed on an older TMS orig used for an MPS-100	tms1.3.0.38
Q01193017-02	MPS3:0- DCC not responding during speech test	tms1.3.0.38
Q01194521	Primus: NORT218208 : Hookflash transfer fails	tms1.3.0.38
Q01207488-02	Add load profiler to web page.	tms1.3.0.38
Q01207852	DTMF not recognized by PBX when outdialing (transfer)	tms1.3.0.38
Q01235667	Conference missing touch tones	tms1.3.0.38
Q01171888-01	protocol data being returned from the protocol was being truncated	tms1.3.0.39
Q01250024-01	NumberOfConnections in dlt conflist is also always 0 on mps2.1pb9	tms1.3.0.39
Q01302093	BT - MPS 500 - not receiving all ISDN protocol data	tms1.3.0.39
Q01064070	TCAD alarm text in error - Poor english, wrong meaning	tms1.3.0.40
Q01174753-02	Support ProgressReq in DSSI for tms1.3.0p	tms1.3.0.40
Q01238601	Feature enhancement Request linesideE1 - NO DNIS	tms1.3.0.40
Q01271693	R2 India protocol on MPS 500. Outdial fails 6 out of 10 calls.	tms1.3.0.40
Q01062769	Audible clicking using Speech Server resources	tms1.3.0.43
Q00848845	MMDP Configurator: add monitored system popup not attached	view2.10.17
Q00893232	View: back up the previous config files before updating.	view2.10.17
Q00990897	View: Duplicate entry appears in AlarmViewer:SimpleFilter:AlarmNumber	view2.10.17
Q01075365	PeriView: Add generic option tab to IPML Config Utility for future options	view2.10.17
Q01134569	Primus: NORT208206 : PeriView configurator cannot create a valid tls.cfg file	view2.10.17
Q01186780-01	MpsManager AlarmViewer advanced filter action log problem	view2.10.17
Q01190168	Primus: NORT217134 : periview can't handle white space	view2.10.17
Q01196399-02	Adjust Data Provider Name changed the names in a wrong way and caused view issue	view2.10.17
Q01211246-01	Periview incorrectly notifies of duplicate entries in tms.cfg	view2.10.17

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CR Id	Title	Forecast Patch Id
Q01286198-01	The content inside the Add Data Provider window can be modified by the user	view2.10.17
Q01286216-01	MPS Configurator dialog's icon is wrong	view2.10.17
Q01286254-01	MMDP Configurator - Click the Add button without entry does not cause warning	view2.10.17
Q01291622-01	User can close the Application Configurator window with unsaved applied edits	view2.10.17
Q01293516-01	Periview: Browser view differs in the positioning of plug -ins in Toolbar.	view2.10.17
Q01304175	No error displayed, if user specify incorrect nodename in the filepath	view2.10.17
Q01282699-01	Periview failed to reconnect mmdp after node rebooted	view2.10.18
Q01340113-01	Vos configurator plug-in should not be opened for process selection in topology.	view2.10.18
Q01340115-01	Invalid Vos configurator opened for component selection.	view2.10.18
Q01366625	Spell error at MPS control center	view2.10.18
Q01367530	MPS2.1: MPS control center icon mismtach	view2.10.18
Q01369611	changes in Maximum caller message recording time field is not happening.	view2.10.18
Q01380123-01	Periview IPML/CCT IVR configurator malfunctioning for Avaya switch	view2.10.18
Q01347069	User can close the MMDP Configurator window with unsaved applied edits.	view2.10.18
Q00646858	Enh: vxml_oscar_setup.sh should configure audio server	vxml2.3.0.10
Q01082774	session.telephone.ani and dnis missing should be removed since not standard	vxml2.3.0.10
Q01086807	PERIVxml: Wrong SSML version for extts-m	vxml2.3.0.10
Q01099315	vxmli - inputmode in a nomatch not filled	vxml2.3.0.10
Q01101957	doesnt support a timeout value of 0 seconds	vxml2.3.0.10
Q01105206	vxml_oscar_setup.pl using PERIVXMLHOME variable	vxml2.3.0.10
Q01108785	vxmli <log> tag adds spaces to log results	vxml2.3.0.10
Q01113763	Unable to use tag 3010 due to conflicts in content dump id's	vxml2.3.0.10
Q01126084	vxmli crashes if tag 3005 is enabled and redirect is detected	vxml2.3.0.10
Q01128940	vxmli doesnt recover properly from certain server errors	vxml2.3.0.10
Q01133792	MMF prefix is not applied to labels that use a file name	vxml2.3.0.10
Q01128646	Nuance error trying to integrate with perivxml	vxml2.3.0.10
Q01147538	Vxml blind transfer - transfers call but error.transfer event is thrown	vxml2.3.0.10
Q01153125	vxml interp deadlocks when no lvr resources are available	vxml2.3.0.10
Q01157314	vxml record error	vxml2.3.0.10

Enhancements and Issues Addressed in the

CR Id	Title	Forecast Patch Id
Q01161284	VXMLI: Variable declaration not interpreted	vxml2.3.0.10
Q00936424	Enh: Provide cache stats & performance measures	vxml2.3.0.12
Q01178550	Support for sip: destination required	vxml2.3.0.12
Q01180485	Enh: Unnecessary alloc/mem copy when doc dumps disabled	vxml2.3.0.12
Q01182187	Enh: Cache enhancements - status/lru update	vxml2.3.0.12
Q01195245	Invalid page causes system to get into invalid state	vxml2.3.0.12
Q01180628	vxml_oscar_setup.pl - uses incorrect OSR logs location in sys-lvr	vxml2.3.0.14
Q01247788	vxml fetch failure when using https	vxml2.3.0.14
Q01253234	Enh: Add additional logging to track SBinet socket connection usage	vxml2.3.0.15
Q01258203	COMPTA : VXML 2.0 Recording problem	vxml2.3.0.15
Q01258329	call id is not set when invoking vxml from peripro.	vxml2.3.0.16
Q01270944	Enh: Terminate vxmli session from MPS Developer in C7 proxy mode	vxml2.3.0.16 mps2.1.0.116
Q01100706	With hold=0, browser does not reset the resource parameters back to default	vxml2.3.0.17
Q01217856-01	Using builtin function to load grammars causes vxmli to core dump	vxml2.3.0.17
Q01284222-01	vxml interp hangs if get input complete is sent with unknown input type	vxml2.3.0.17
Q01058466	PERL vxml: <break time="1s"/> becomes <break size="none"/>	vxml2.3.0.8
Q01114084	vxmli: error.noresource on empty recording	vxml2.3.0.8
Q01025903	DTMF command grammars generating error upon successful entry	vxml2.3.0.8
Q01122384	Customer defined builtins (static) dtmf grammars do not work	vxml2.3.0.10
Q01126446	vxmli - application.lastresult\$ built incorrectly for command dtmf builtin gram	vxml2.3.0.10
Q01231313	Cannot display tag library code completion	wvad1.0.3.1
Q01325452-01	Cancel element should use "name" rather than "sendid" attribute in ccxml spec	wvad1.0.3.2
Q01319958-01	There are two open tag brackets on text editor after hit Enter.	wvad1.0.3.3
Q01157772	vcores on XML functions	xmlic2.0.0.6

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