

TANDBERG

**TANDBERG Management
Suite v12
Release Document**

Release Notes

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TABLE OF CONTENTS

TABLE OF CONTENTS	2
DOCUMENT REVISION HISTORY	3
RELEASE NOTES FOR TANDBERG MANAGEMENT SUITE V12.0	4
Introduction	4
New Feature Overview	4
Supplemental Notes to Manuals.....	6
<i>Documentation</i>	6
<i>Important Server Requirement Changes</i>	6
<i>Compatibility with earlier versions of Integration Products</i>	7
<i>Notes for Upgrading TMS from previous versions</i>	7
Changes and Improvements since previous version	9
<i>User Interface</i>	9
<i>Administrative Tools</i>	9
<i>Phonebooks</i>	9
<i>Systems Management</i>	10
<i>Reporting</i>	12
<i>Monitoring</i>	12
<i>Booking</i>	13
<i>General</i>	14
Interoperability	16
Known Limitations for TMS v12.....	16

DOCUMENT REVISION HISTORY

Rev 1 Included Release of TMS v12, Initial Version

RELEASE NOTES FOR TANDBERG MANAGEMENT SUITE V12.0

Introduction

This release note is to describe the new features, changes and installation of the TANDBERG Management Suite (TMS) version 12 released August 2008. TMS v12 is a major release including new features as well as incorporating many improvements over previous versions. Customers should review the changes included with this release prior to installation. TANDBERG recommends all installations of TMS upgrade to TMS v12. Please see the **Supplemental Notes to Manuals** section of this document for installation instructions and other dependencies

New Feature Overview

TANDBERG Codian MSE 8510 Support

TMS v12 includes support for the **TANDBERG CODIAN MSE 8510 MCU**. Support to include Scheduling and monitoring calls from the Conference Control Center, Viewing configuration settings and system diagnostics, Reporting (CDR, trap log, etc). Determining Encryption status, SIP support and Support for cascading conferences.

TANDBERG Video Communications Server (VCS) Clustering

TMS now supports the concept of clustering VCS servers. Clustering allows several VCS servers to be treated as a collection of servers that are intended to operate as a single unit. When VCS servers are added in a cluster, TMS can automatically synchronize configuration parameters between servers preventing configuration errors between VCS servers and simplifying deployment. Additionally, TMS can open trouble tickets when potential problems arise that could affect the network (such as version or option mismatches between members). Clustering simplifies adding redundancy to your VCS network leading to a more reliable, easier to deploy video network.

When defining a cluster, a master VCS is selected. The master VCS is where any gatekeeper/registrar changes should be made and changes will automatically be synchronized to other member servers on a timed schedule. For feature compatibility and uniformity, all cluster members must be running the same software version and be optioned the same. VCS Cluster support requires running TANDBERG VCS version 3.0 or greater. Clustering controls have been added via a new tab in the System Navigator page for VCS servers.

The screenshot displays the TANDBERG Management Suite interface. The left sidebar shows a 'Folder View' tree with 'VCS Clusters' expanded, containing 'vcs87', 'vcs89', 'Entrypoint', 'TMCU B', and 'VCS_Client'. The main content area shows the configuration for 'vcs87'. A yellow banner at the top of the configuration area states 'Cluster settings successfully updated.' Below this, the 'Cluster Settings' tab is active, showing a form with the following fields:

- Cluster Name: ReastonVCS Cluster
- Provisioning Enabled:
- Configuration Replication Enabled:

Buttons for 'Save' and 'Delete Cluster' are visible. Below the form, a table lists cluster members:

Members	IP Address	Software Version	System Status
<input type="checkbox"/> vcs87	10.1.2.87	V3.0	Idle

At the bottom of the interface, the status bar shows: 'Tim (tms12administrator)', 'System Contact: Timothy Walker', 'Server Time: 11:18 PM', 'S/N: 80A01136', and 'Version: 12.0'.

The screenshot displays the TANDBERG Management Suite interface. The main content area shows the configuration for a VCS cluster named 'vcs87'. The 'Clustering' tab is selected, and a yellow banner indicates that cluster settings were successfully updated. Below this, there are checkboxes for 'Provisioning Enabled' (unchecked) and 'Configuration Replication Enabled' (checked). A table lists the cluster members:

Members	IP Address	Software Version	System Status
<input type="checkbox"/> vcs87	10.12.87	X3.0	Idle
<input type="checkbox"/> vcs89 (Master)	10.12.89	X3.0	Idle

Buttons at the bottom of the table include 'Add Members', 'Remove Members', 'Change Master', 'Force Replication Now', and 'Run Cluster Diagnostics'. The footer of the interface shows the user 'Tim (tms12administrator)', system contact 'Timothy Walker', server time '11 25 PM', S/N '80A01136', and version '12.0'.

TANDBERG Codian IP Gateway

TMS v12.0 includes support for the TANDBERG Codian IP Gateway. Supported features include viewing TMS settings for the device, viewing the system configuration and a phonebook can be set on the device. Software version 1.2(5.3) or higher is required for adding system into TMS.

TANDBERG Codian ISDN Gateway

TMS v12.0 includes support for the TANDBERG Codian ISDN Gateway. Supported features include viewing TMS settings for the device, TMS can read the system configuration and monitoring of active calls. Supported software version for the ISDN Gateway is 1.4(1.1)P.

TANDBERG Conferencing eXtensions for Microsoft Exchange

TMS v12.0 includes support for TANDBERG's new Exchange Integration tool called the TANDBERG Conferencing eXtensions for Microsoft Exchange. TANDBERG Conferencing eXtensions for Microsoft Exchange is TANDBERG's new integration product that enables scheduling of TMS resources via Microsoft Outlook and Microsoft Exchange Server 2007. Conferencing eXtensions (TCX), replaces the previous TANDBERG Exchange Integration product and has been completely rewritten for Exchange 2007 support. The tool fully integrates with TMS v12.0 and Microsoft Exchange 2007 and corresponding Microsoft Outlook email clients. This integration gives the users the ability to schedule videoconferences, book meeting rooms and invite participants using their Microsoft Outlook client. For more information on the TANDBERG Conferencing eXtensions for Microsoft Exchange, please see the release notes and installation manual for the TCX product.

Improved Protection from Malicious HTML

As part of the continual improvement of security in the product, TMS v12 includes increased protection against malicious users from executing scripts or code by exploiting the web pages and parsing of TMS. Increased protection includes any fields coming from systems i.e. System names and fields coming from direct user input such as conference and template names.

Web Proxy Support for Automatic Software Updates

As part of the Automatic Software Updates, TMS can connect to a TANDBERG website to retrieve contract information, release keys, and software packages. Some customer networks require specifying a web proxy and credentials to be able to access external networks. TMS v12 adds the ability to specify a web proxy, and credentials to use when the TMS service attempts to connect to the TANDBERG website. These new parameters can be specified under the Administrative Tools settings in TMS.



Firefox 3.0 Support

TMS v12 expands the list of supported web browsers to include version 3.0 of the Mozilla Firefox browser. Previous versions of TMS would experience incompatibilities (layout and control issues) if users attempted to use Firefox version 3.0 with previous TMS versions.

Supplemental Notes to Manuals

Documentation

All the documentation for TMS can be found by opening the index webpage included on the TMS installation media. Double-click the browse.bat file to load this page. All the associated manuals and documentation for TMS can be found on this webpage. Note, for some documents you will be redirected to the TANDBERG website where the latest edition will be available.

For all other TANDBERG documentation and software, please visit the Support Section of the TANDBERG website at <http://www.tandberg.com/support/documentation.php>

Important Server Requirement Changes

Due to Microsoft component support and feature compatibility, starting with TMS v12 the following critical system requirements are changing.

Windows Server 2000 is no Longer supported – Starting with TMS version v12, Microsoft Windows Server 2000 (all versions) is no longer supported as an operating system for the server running TMS. This is due to Microsoft not supporting Windows Server 2000 in the Microsoft .NET 3.5 Framework and that Mainstream support from Microsoft expired several years ago. Customers running TMS on a Windows Server 2000 OS, must first upgrade their server to Windows Server 2003 before installing TMS v12 or newer. Microsoft recommends performing a clean install when upgrading to Windows 2003 for the best security defaults. To install on a new server or to allow the existing server to be formatted and have Windows Server 2003 installed, the TMS database should be backed up, along with any customized customer files and stored off the server. Once the server is upgraded, reinstall the original TMS version and restore the TMS database backup. Once your existing TMS installation is up and running, you can proceed to upgrade to TMS v12 or newer. Additional assistance on backing up and restoring TMS can be found in the *TMS Database Knowledge Base Tips* document available on the TMS CD.

Microsoft SQL Server 2000 No Longer Supported – Starting with TMS v12, SQL Server 2000 (all versions) is no longer supported as a database server for TMS. This change is due to features required for TMS v12 that are not supported in SQL Server 2000 and that it is no longer under Mainstream Support from Microsoft. Customers who are currently running TMS using a SQL 2000 based server (including MSDE 2000 installed by the TMS Installer) must upgrade to a SQL 2005 server before installing TMS v12 or newer. Additional assistance on performing this upgrade is provided in the *TMS Database Knowledge Base Tips* document available from the TMS CD. Once your existing TMS

installation is up and running using a SQL 2005 server, you can proceed to upgrade to TMS v12 or newer.

Customers wishing move the TMS database to a new server, should move the database and or database server prior to running the TMS v12 installer. In order to do this, use the standard Microsoft SQL tools (the TMS database is named 'tmsg'), and then select 'Custom' during the TMS v12 installation. When 'Custom' is selected the user will have the option to specify the database location.

Microsoft .NET Framework 3.5 now required – TMS v12 or newer requires the Microsoft .NET Framework version 3.5 be installed prior to installing TMS. Previous versions of TMS required v2 of the .NET Framework and the .NET version would be installed by the TMS installer automatically if required. Due to the substantially increased size of the new .NET 3.5 installer, the .NET installation is no longer part of the automatic installation process. The TMS Installer will check if .NET 3.5 is installed and if not, stop and prompt the user to install .NET 3.5 before retrying the TMS installation. The .NET 3.5 installer is provided on the TMS CD and is a simple, automated install.

Compatibility with earlier versions of Integration Products

TMS v12 is compatible with previous versions of external integrations including:

- TANDBERG Conferencing eXtensions for Microsoft Exchange 2007 (TCX 1.0)
- Microsoft Exchange Integration (11.8)
- Lotus Notes Integration (all versions)
- TANDBERG See&Share (version 3.3.30.0 or later)
- TANDBERG Booking API (all versions)
- TANDBERG LCS Configuration Tool (2.1)
- TANDBERG Management Suite Database Management Tool (2.5)

The installation of TMS v12 does not require changes to these products, but TANDBERG recommends that customers should be running the latest version of these products to incorporate any feature additions or bug fixes.

If an earlier version of the TANDBERG See&Share software is currently running in your environment, it is recommended that customers upgrade See&Share to version 3.3.30.0.

Notes for Upgrading TMS from previous versions

To upgrade from earlier versions of TMS, click on the 'Install TANDBERG Management Suite' link on the web page loaded by the CD auto-run, or double-click the TMSSetup.exe file in the 'SetupFiles' folder of the CD. If you are not changing your database server configuration, select 'Complete' and the installer will detect any previous installation and settings. When prompted to upgrade the installation, if the user selects 'yes', the installer will automatically remove the previous version and install TMS v12. All data contained in the previous version such as systems registered, templates, call data and conference schedules etc. will be preserved.

Note: Microsoft SQL 2000 is no longer supported. Before upgrading from an earlier TMS version to TMS v12, it is required that customers upgrade their SQL Server version to Microsoft SQL Server 2005.

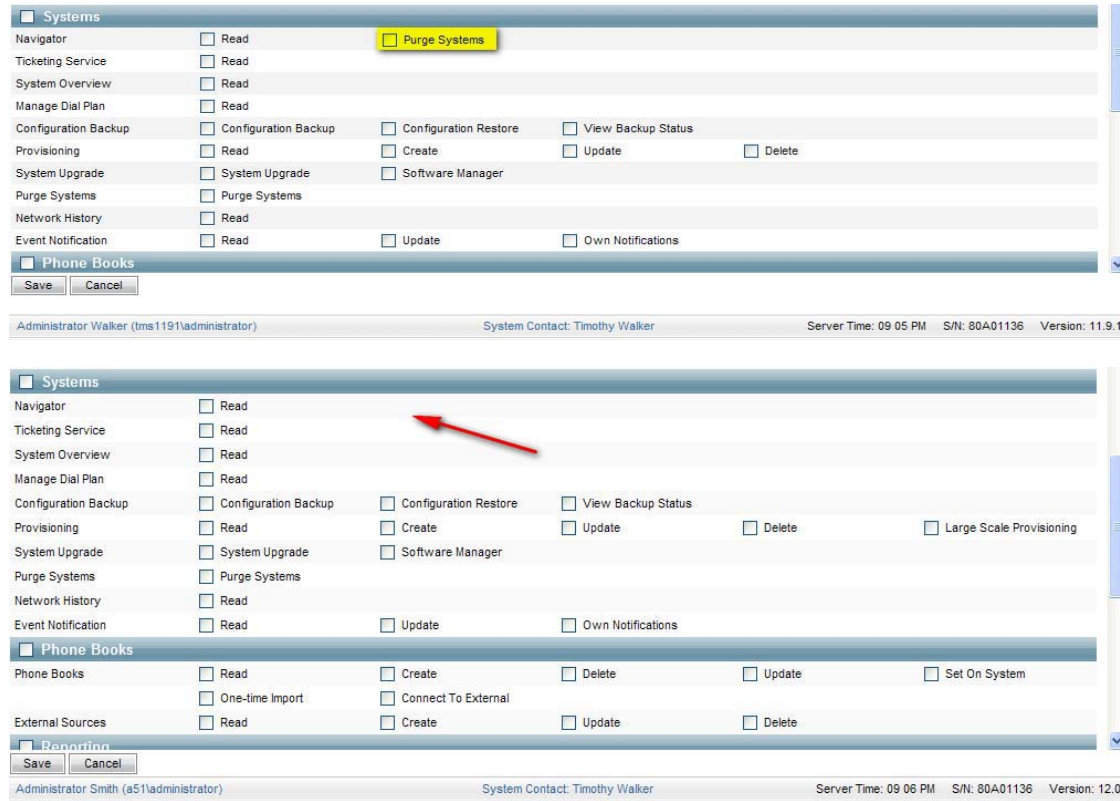
Note: TMS v12 will not run on Windows Server 2000 operating system. Upgrading from a version of TMS that is currently running on Window Server 2000 will require that the operating system being upgraded to Window Server 2003 or higher prior to upgrading TMS to v12.

Note: When upgrading to TMS v12, .NET Framework 3.5 is a pre-requisite. The .NET Framework 3.5 installer is included on the TMS installation CD.

Note: All three requirements listed above are automatically checked by the TMS v12 installer, and an installation will be aborted if any of the requirements are not fulfilled.

Note: In TMS v12, the permissions have been slightly reorganized compared with previous versions. Administrators who implement different user levels through permissions should review their user group

permissions after upgrading to TMS v12 and adjust the permissions to their intended settings. In TMS v12 the “Purge System” permission was removed from the Systems section as it was duplicated under the “Purge Systems” section. This permission setting exists in TMS 11.9.1. See below.



Note: In previous versions, after upgrading TMS, there was a possibility that recurring conferences which had been edited multiple times would be broken. While these issues have been resolved, recurring conferences that have been heavily edited in earlier versions of TMS should be checked and rebooked if necessary after upgrading to the latest version of TMS. Customers can rebook a conference by editing and directly saving the conference again. This will cause TMS to “re-route” the call placing the correct dialling parameters in the conference.

Changes and Improvements since previous version

The follow lists significant changes or improvements to TMS since TMS v11.9.1.

User Interface

- Fixed issue where the Delete button was active when viewing a phonebook when no entries were selected in phonebook. [Ref. #44801]
- Fixed issue on the FreeBusy Overview page where the "Reservation Only" button was not visible. [Ref. #53229]
- Fixed the page resizing issue on the Software Manager web page. [Ref. #53269]
- Fixed issue where TMS would display "TMS requires Firefox" even though the user was running Firefox (on Linux). [Ref. #47657]
- Fixed issue where users were unable to change the number of records to display per page, if all the records fit onto the initial page. [Ref. #41463]

Administrative Tools

- The default bandwidth per conference has now been set to 512kbps. Only new installations will be set to this new level, the default conference bandwidth of existing TMS installations will remain unchanged. [Ref. #50279]
- Fixed an issue where if a search for AD Groups did not return any results no feedback was provided. Users will now receive "Search did not return any matches". [Ref. #43177]
- Fixed an issue where if a mandatory field was left blank when editing a User Profile, the User's Group Memberships would become unchecked. [Ref. #48418]
- Fixed an issue when adding a new user in TMS. If the Username field was blank an unhandled was displayed. Now, if the field is blank, the following message is presented "Username, First Name, Last Name and Email Address cannot be empty". [Ref. #53031]
- Fixed issue where the "Primary System" dropdown list in a users profile was disabled unless TMS contained Client Solution Package licenses. The Primary System dropdown is now enabled regardless of whether or not this option key is present. [Ref. #48756]
- Fixed issue where the first entry was not displayed when the list of members of a group was shown under Administrative Tools -> User Administration ->. [Ref. #50462]
- Fixed issue where the Administrative Setting "External MCU Usage in Routing" was saved to the database but upon refreshing the page the correct setting value was not reflected in the settings page. [Ref. #51953]
- Fixed issue where the text "(SIP)" was added to the name of the user when imported from Active Directory. [Ref. #52200]
- Fixed issue where Active Directory lookup under Network Settings was enabled by default, it is now disabled by default. [Ref. #51561]
- Fixed issue where Active Directory Lookup Account settings were not verified when the user pressed "Save". [Ref. #22773]

Phonebooks

- Fixed issue within Manage External Sources where when editing external sources the "Auto" option for Default Bandwidth was not available. [Ref. #51646]

- Fixed an issue in the Phonebook where if an ISDN number was entered in brackets [<digits 0-9>]. E.g. [212345454355] the number was displayed for all entries in the phonebook. [Ref. #42847]
- Fixed an issue where the global directory file would fail to upload correctly if HTTPS was enabled and HTTP was disabled on the codec's web interface. [Ref. #52895]
- Fixed issue where SOHO (behind firewall) devices did not receive H.323 phonebook entries and instead only received SIP entries. [Ref. #51573]
- Fixed issue where there was a mismatch between the actual corporate directory results returned and the number of results it reported finding. [Ref. #46472]
- Fixed issue where a phonebook update event was created even if no systems were selected to be updated. [Ref. #50678]
- Fixed issue where searches in corporate directory that used characters sets other than latin-1 would sometimes fail. The corporate directory search is now fully language independent. [Ref. #33227]
- Improved phonebook error messages when a phonebook fails to pull information from the external source. [Ref. #48472]
- Fixed issue where sorting phonebook entries on an Entrypoint system using TMS' System Specific sort caused an error on the Entrypoint system. [Ref. #48912]
- Fixed issue where external phonebook source entries with a fixed bandwidth value of 4096k would be set to 'auto' if corporate directory was set to off or was unreachable. MXP's would then translate 'auto' to mean 768k and would then dial using the wrong bandwidth. Entries with a bandwidth setting of 4096k are now set to '4m' instead of 'auto'. [Ref. #50275]

Systems Management

- Removed external link to MGC telnet interface on the MGC system navigator pages as telnet is no longer used to control this device. [Ref. #51170]
- Improved accuracy in TMS where endpoints registered to a VCS were designated as type 'Endpoint', now H323 type endpoints are marked as being of type 'H323 Endpoint'.
- Improved handling of cause codes generated by Sony endpoints. [Ref. #49078]
- Improved the handling of SOHO systems that are behind a non-NAT firewall. Note: SOHO systems that will be put behind a non-NAT firewall must be registered in TMS before they are placed behind the firewall. [Ref. #41408]
- Added a new parameter in the System Overview. The "Service Contract Status" parameter option is now available for reporting on system service contract status. [No Ref.]
- Fixed issue where no status message was displayed while saving the local phone book on a system. [Ref. #46712]
- Fixed issue where if TMS Secure-Only Device Communication under Network Configuration was enabled and a user added an MXP running F7 software with https disabled an unhandled exception would occur in TMS. [Ref. #50801]
- Fixed issue where the Gatekeeper IP Address setting in the provisioning templates did not update the system correctly when the provisioning template was pushed. [Ref.# 50836]
- Fixed an issue in System Contact field where if a system contact was selected it could not be removed. [Ref. #49562]
- Fixed scrolling issue on System Upgrade Activity Status page. Added scroll bar to bottom of page. [Ref. #51888]
- Fixed an issue where adding a TCS running S2.0 to a conference generated an unhandled exception. [Ref. #53185]
- Fixed an issue where pressing the "Previous" button on the "Purge Systems page generated an unhandled exception. [Ref. #53193]

- Fixed an issue with System description field where long descriptions did not wrap within the System Summary window. [Ref. #53202]
- Fixed an issue in the System Navigator where a TANDBERG VCS could not be added into TMS using the hostname. [Ref. #53234]
- Fixed an issue within System Templates where a TMS Application error was generated when selecting the "AlertTone 1 Filename" for MXP Endpoint. [Ref. #53253]
- Fixed an issue with the TANDBERG VCS where an alias search would generate an "Error while processing CallDisconnectEventEmpty" error message. [Ref. #53293]
- Fixed an issue in the Templates where HTML code was displayed in the dropdown window when setting template configuration settings. [Ref. #53575]
- Fixed bug where a serial number's case sensitivity was not taken into account when the serial number was updated in a system's settings. [Ref. #52572]
- Fixed issue where TMS did not read the SIP mode setting from an Entrypoint device. [Ref. #51263]
- Fixed issue where whitespace was not stripped from the gatekeeper address when editing a system's settings. [Ref. #51015]
- Fixed issue where upgrade events expired immediately if they were not executed right away. These events will now expire 24 hours after they were created so that even if TMS fails to execute them immediately they will execute once any issue has been resolved within that 24 hour period. [Ref. #41035]
- Fixed issue where TMS would report that the active gatekeeper and the requested gatekeeper were not the same when in fact they were. [Ref. #45938]
- Fixed issue where the Default Location and default Time zone settings were not applied to newly discovered systems when the discovery template was applied. [Ref. #49182]
- Fixed issue where custom commands in provisioning templates were truncated to 255 characters. This limit has now been increased to 1000 characters and the input field will not allow you to enter more than 1000 characters. [Ref. #30459]
- Fixed issue where "Purge Systems" permission existed in two separate locations. The permission control was removed from under the "Navigator" section and now this permission is set from the "Purge Systems" section. [Ref. #44853]
- Fixed issue where a user did not have permission to purge systems, but was still able to purge systems from TMS. [Ref. #51099]
- Fixed issue where TMS was unable to successfully upload a logo image to a TANDBERG 150 codec with L5 software. [Ref. #51317]
- Fixed issue where it was possible to proceed to the next stage of upgrading systems without selecting any systems. [Ref. #32162]
- Fixed issues related to incorrect gatekeeper status when handling SOHO systems behind a firewall. [Ref. #42790]
- Fixed issue where it was not possible to add/edit/delete Neighbor Zones in the TANDBERG VCS. [Ref. #49125]
- Fixed issue where the External Manager Address setting was missing from the provisioning templates for some system types. [Ref. #50105]
- Fixed issue where SOHO systems auto-discovery failed. [Ref. #50328]
- Fixed issue where if duplicate settings were added to a provisioning template then neither setting would be applied. If the commands are the same only one will be applied, otherwise both commands will be executed. [Ref. #50551]
- Fixed issue where label custom command in templates should have read custom configuration as only configuration changes were possible. A new template setting has been

added called "Custom Command" that will allow users to enter custom commands against the MXP. [Ref. #46601]

- Fixed issue where if a user tried to add a system that existed in TMS but had a different IP address, TMS would not update the existing system with the new IP Address. [Ref. #46772]

Reporting

- Fixed issue where a severity icon was not displayed for Statistics within the Ticket Log Report. [Ref. #36096]
- Fixed an issue in the Audit Log where the text in the "Attribute Name" and "New Value" fields was being truncated. [Ref. #40919]
- Fixed an issue within the Conference Statistics Report where the dates were allowed to overlap. [Ref. #43119]
- Fixed issue where the call duration reporting for the VCS was incorrect. [Ref. #50821]
- Fixed issue when sorting the data in the Endpoint Activity Log. Sorting is now set to be descending based on Time. [Ref. #47368]
- Fixed issue where calculating utilization reports used 100% of CPU power on the TMS server. This has now been optimized. [Ref. #50136]
- Fixed issue where retrieving the next page of the Network History Log caused a SQL exception. [Ref. #51788]
- Fixed issue where TMS failed to generate the endpoint activity log graphs. [Ref. #51802]
- Fixed issue where the field length for the source and destination numbers in a call log were too short and could lead to incomplete call logs as records with long numbers would fail to be inserted into the database. [Ref. #50301]
- Fixed issue where fields with unknown values were displayed in reports. These redundant fields have now been removed from the Packet Loss Log. [Ref. #39630]
- Fixed issue where CDR reporting displayed two separate labels for H323. One labelled 'IP' if the call was made using IP addresses and the other 'H323' if an E.164 alias or H.323 ID was used. The 'IP' has now been removed and the H323 label will be used for both. All existing 'IP' labelled entries will be converted to the H323 label during upgrade. [Ref. #49934]

Monitoring

- Fixed issue in the Conference Control Center where a participant was displayed twice in the same conference. [Ref. #53183]
- Fixed an issue where sending a message to an MXP endpoint that was in a conference generated an Xml parse Exception error. [Ref. #53267]
- Fixed issue where it was not possible to start recording a conference once it had started from Conference Control Center. [Ref. #52334]
- Fixed issue where if a user added a TANDBERG Content Server to a meeting the Content Server did not appear in the participants list until the user returned to the list of participants. [Ref. #48354]
- Fixed issue where certain languages caused errors in the Conference Control Center interface. [Ref. #52002]
- Fixed issue where Disconnect events from a TANDBERG Gateway were not handled properly by TMS. [Ref. #43769]

Booking

- Fixed issue where in the Advanced settings of the TANDBERG Scheduler settings were deselected if a warning error occurred. [Ref. #32489]
- Fixed issue in the TANDBERG Scheduler where if the arrow hovered over these entries under My Conferences the cursor changes to a hand indicating a link. However clicking didn't open the link. Meeting details are now displayed by single clicking on the conference. [Ref. #32492]
- Fixed an issue in the TANDBERG Scheduler where a TCS Recording Alias could not be selected if only one participant was scheduled. When scheduling conferences one participant the "Advanced" button will appear when the "Record conference" option is selected. [Ref. #48466]
- Fixed issue where personal aliases owned by api-admin on a TANDBERG Content Server were not displayed on the TMS booking page when the Content Server was in Terminal Mode. [Ref. #51861]
- Fixed issue where it was difficult to see which recording aliases belong to which TANDBERG Content Server. On the booking page recording aliases are now grouped by the content sever they belong to. [Ref. #49382]
- Fixed issue where recording aliases of a TANDBERG content server were displayed in the booking interface even if the content server was set to 'not allowed to be booked'. [Ref. #49982]
- Fixed issue where changes made to a scheduled recorded conference resulted in a new conference URL being generated. [Ref. #50838]
- Fixed an issue in List Conferences where when the Export Log button was clicked unhandled error occurred. [Ref. #52876]
- Fixed an issue where cancelling out of conference details from within List Conference produced an unhandled error. [Ref. #52878]
- Fixed issue within My Conferences in the Scheduler where start and end times displayed seconds. [Ref. #52880]
- Fixed an issue where an unhandled error occurred while performing a Filter Systems search within List Conferences. [Ref. #53440]
- Fixed issue where TMS Scheduler generated an unhandled error if a user edited a conference that contained a deleted system. [Ref. #36787]
- Fixed issue where if you added a Dial In participant to a meeting but then deleted it and changed the conference master, the deleted participant would reappear in the list of participants for the meeting. [Ref. #47888]
- Fixed issue where it was possible to overbook MCU's in TMS by adding too many dial-in participants. [Ref. #48798]
- Fixed issue where TMS refused to allocate remaining ports on an MCU even when there were enough ports to host the meeting. [Ref. #50243]
- Fixed issue where users were unable to remove a reusable participant template in a pending conference. [Ref. #49055]
- Fixed issue where any user was able to book conferences on behalf of another user even if they did not have permission to do so. [Ref. #49592]
- Fixed issue where users were allowed to save a conference with a blank title from the booking interface. Users will now get an error message when they try this. [Ref. #44703]
- When a recurring meeting is booked, the confirmation email now displays the conference id range instead of just the first conference id in the series. [Ref. #46227]

- Improved handling of SIP participants being added to a TANDBERG Codian MCU. [Ref. #51360]
- Fixed issue where TANDBERG Content Server aliases appeared in the Recording Alias drop down in the Booking Page even if the TCS had been deleted (but not purged). [Ref. #51400]
- Fixed issue where if a meeting was cancelled/deleted the notification was only sent to the person who created the meeting and not to the people on the list to receive any meeting update notification. [Ref. #40065]
- Fixed issue where if a conference was booked with duration of 16 hours 25 minutes it would fail due to the configurable max conference time on the MPS being 999 minutes. Note: Conference duration can be configured to 0 on the MPS (unlimited), but anything greater than 0 is used as the max duration for the conference. [Ref. #47190]
- Fixed issue where informational text in TMS scheduler was layered on top of the list of selected participants. This text has now been removed. [Ref. #49809]
- Fixed issue where if endpoints failed to connect to a scheduled conference they would not continue to attempt to reconnect by the configured number of times set in Conference Settings. [Ref. #50646]
- Fixed issue where the IP address was stripped from external participants added during booking. This made it impossible to enter dial strings like some_alias@10.0.0.1. [Ref. #42999]
- Fixed issue where some bandwidth options supported by the codec were missing from TMS. [Ref. #45228]
- Fixed issue where spaces in external numbers when adding a participant would cause a failure by the device to dial the correct number. Spaces are now stripped from the external number once it has been entered by the user. [Ref. #50066]

General

- Fixed issue where the SNMPService service (formerly TMSWatchdogScanner) was causing a memory leak. [Ref. #47067]
- Fixed a memory leak issue in the SNMPService that caused Auto System Discovery to fail. [Ref. #50534]
- Added Unicode support within the TMS Codian API. [Ref. #52691]
- Fixed window resizing issue that prevented the Option Key Button from being displayed. [Ref. #52820]
- Fixed an issue with dropdown Action pop-up window in Firefox. [Ref. #52911]
- Fixed issue where the SNMPService's memory usage would increase slowly over time. [Ref. #50989]
- Fixed minor translation errors in Norwegian text. [Ref. #50785]
- The debug log file for TMSSNMPservice has now been updated to log - TMSSNMPService.txt instead of the old name log-watchdogscanner.txt. [Ref. #42486]
- Fixed issue where if a user modified their user profile while on the confirmation page of TMS Scheduler they would be redirected to an invalid page once they saved their profile. [Ref. #41299]
- Fixed issue where Cisco and Alcatel were listed as possible sip compatibility types for devices which did not support them. Devices that do not support these SIP types are MXP endpoints with F5 or earlier and L4 or earlier software. [Ref. #40959]
- Fixed issue where TMS did not check the registration status of a SIP server on the MPS which allowed any IP address to be registered as a SIP server even if they were invalid. [Ref. #49442]

- Improved error checking of database when running the database upgrade script during installation. [No Ref.]
- Fixed issue in the 3rd party Conferencing API where the <ISDNBandwidth> node of a Conference object would always have the same value as that of the <IPBandwidth> node regardless of the actual value of the ISDN Bandwidth saved in TMS. [Ref. #51196]
- Fixed issue where the date format was hard coded into the conference email template. [Ref. #46896]
- Fixed issue where various TMS text was hardcoded and therefore not able to be translated into all languages. [Ref. #48270]
- Fixed issue where IP Bandwidth drop down lists also showed b-channels. Since there are no b-channels in IP bandwidth this has been removed. [Ref. #40825]
- Fixed issue where TMS 3rd Party API returned an invalid SOAP Exception if database connectivity was lost. The API will now always return a proper SOAP Exception. [Ref. #49839]

Interoperability

Please refer to the TMS v12 Product Support Document, for specifics related to individual device support and compatibility. The TMS v12 Product Support Document is currently being re-written and will be made available once completed. This document will then be available on the index webpage included on the TMS installation media. Double-click the browse.bat file to load this page. You will be redirected to the TANDBERG website where the latest edition will be posted.

Known Limitations for TMS v12

<i>Ref. ID</i>	<i>Equipment</i>	<i>Limitations</i>
N/A	TANDBERG Management Suite 12.0 (Codian ISDN Gateway)	Editing settings for the TANDBERG Codian ISDN Gateway is limited to setting IP/ISDN zone, assigning a System Contact, setting the Time Zone and the System Usage Type. System Status is reported in TMS v12 as "Unknown."
54647	Event Notifications	Within the Event Notification Manager, when editing event notifications for users, the "Save" button is not displayed on the page.
N/A	TANDBERG Management Suite 12.0 (Codian IP Gateway)	Editing settings for the TANDBERG Codian IP Gateway is limited to setting IP/ISDN zone, assigning a System Contact, setting the Time Zone and the System Usage Type. System Status is reported in TMS v12 as "Unknown."
46385	CCC, Graphical Monitor, Map Monitor	The CCC, Graphical & Map Monitor will lock up when opening on Mac OS X 10.4 or higher, running FireFox v2.0.0.9 or higher and JAVA J2SE5 or higher. TANDBERG is working with Apple to resolve this issue.
N/A	TANDBERG Management Suite 12.0 (Installation)	The installer will fail to complete properly if the Print Spooler Windows Service is not running. On the TMS Appliance Server, this service is not running due to the security lockdown. TMS Appliance owners need to temporarily start that service to run the .NET 3.5 installer. This is a known limitation of the .NET installer listed in Microsoft's release notes.
54596	Save Conference	On the New Conference Page, the "Save Conference" button will not be displayed after adding 4 or more participants to a conference. The work around is to click on the "Conference Information" tab and the "Save Conference" button will be available.