Cisco D9804 Multiple Transport Receiver Software Version 2.20 Release Note

Overview

This document describes the new features, resolved issues, and limitations included in software version 2.20 for the Cisco® D9804 Multiple Transport Receiver (MTR) since the previous version 1.18.

Some configurations of the D9804 MTR support Deterministic Multiplexing (DM). However, the DM feature is not supported in this general release of the D9804 MTR. Status and control items in the user interfaces that pertain to the DM feature does not affect operation of non-DM functions.

New Features

The following repairs, new features, and enhancements are included in MTR software version 2.20.

1. Added support for Over-the-Air application download from the (optional) Inband Control Computer (IBCC), including trap messages to indicate successful and unsuccessful downloads.
2. The following are changes to the web user interface:
   - **a** Summary page includes additional information to identify the D9804 MTR and the active configuration for each ASI port.
   - **b** Added a Flash Verification page to display the flash memory area checksums to support device comparisons.
   - **c** Added a page to display progress and status of an over-the-air application download.
   - **d** Modified the Versions page to include user controls for:
     - selecting the application version to be used after the next D9804 MTR reboot.
     - selecting the FPGA version to be used after the next D9804 MTR reboot.
     - rebooting the D9804 MTR.
   - **e** ASI output status pages show additional status information pertaining to deterministic remultiplexing.
   - **f** Added a page to set specific control parameters for remultiplexing time thresholds for alarm indication and duration of null stuffing, to replace corrupt or missing content.

3 The following are changes to the front panel interface:
   - **a** Added a Flash Verification screen to display flash memory area checksums to support device comparisons.
   - **b** The ASI output setup screens were expanded to include parameters for configuring remultiplexed (DM) streams for the ASI outputs. These parameters do not affect non-DM operation of the D9804 MTR.
   - **c** The ASI output status screens show additional status information pertaining to deterministic remultiplexing. These status items do not affect non-DM operation of the D9804 MTR.
   - **d** Added menu items to allow the setting of specific control parameters for remultiplexing time thresholds for alarm indication and duration of null stuffing, to replace corrupt or missing content. These menu items do not affect non-DM operation of the D9804 MTR.

4 Updated the set and reset description texts of many previously defined alarms and warnings to facilitate network diagnostics.

Resolved Issues

The following issues are resolved in version 2.20:

ID	Description
CSCzr00951	**ASI Outputs not muted on NIT update.**
Issue	The ASI outputs are not muted if the required RF carrier is removed from the NIT.
CSCzr00929	**Unlocked RF Inputs after AC power supply failure.**
Issue	LNB power supply loses configuration after AC power brown-out. The LNB power supplies are now reconfigured after 30 seconds of continuous loss of RF lock.
CSCzr00942	**ASI Outputs stuck in mute state.**
Issue	The ASI outputs are stuck in the mute state, with or without alarms, after network control changes.
CSCzr00962	**ASI Outputs stuck in mute state after uplink group assignment.**
Issue	The ASI output is muted after group assignment changes.
CSCzr01348	**Failure to achieve ASI output PLL bitrate control for decombined stream.**
Issue	The D9804 MTR is unable to lock to the bit rate of the decombined stream when there is a significant difference between system element clock rates (e.g., DTF, MTR).
CSCts03851	**HTTP - Implement timeout to handle idle connections.**
Issue	A user is unable to log on to the D9804 web GUI from another PC if a previous user did not log out.
CSCtt35239	**System Startup SNMP trap message contents should be more informative.**
Issue	The startup trap message does not provide the reason for the last reboot or identify the D9804 MTR application version.
CSCzr01072	**Fan startup issue.**
Issue	Excessive fan noise during D9804 device restart.

Limitations

The following is a list of limitations in software version 2.20:

1 The supported web browsers are: Internet Explorer 8 and Mozilla Firefox version 3.6.3.

2 This general release configuration of the MTR product does not perform DM functions. The user interface items included to support DM (remux) do not affect operation of non-DM functions.

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