



HST-3000

Firmware Revision 8.04.13

Release Notes
Version 0



1 Introduction

This document summarizes the new features in the Revision 8.04.13 HST base unit firmware. Highlights of the new capabilities added to the HST in this release include:

- Identification of Viavi as vendor (via stock ticker symbol VIAV) to DSLAMs via <sys-vender-id> string.
- Add Pass/Fail thresholds to Infineon-based SIMs (HST3000-VDSL-INF-WB2 and HST3000-VDSL-INF).
- Added new Spanish language translations to Copper, E1 and base mainframe applications and GUI.

Release (FCS) of Revision 8.04.13 Firmware – 25 March 2016

The firmware will be made available on the internal FTP site for downloading by Viavi personnel.

Firmware download will include;

1. 8.04.13 upgrade files
2. Latest Broadcom 6368 and 63168 chipset modem drivers

Detailed descriptions of the new features and functionality contained within this release as well as known bugs/issues in this release and bugs/issues corrected (from previous releases) are detailed in the page(s) that follow.



2 Code Changes

DSL Changes

1. Added VIAV to sys-vendor-id string.
2. Add Pass/Fail thresholds to Infineon-based SIMs (HST3000-VDSL-INF-WB2 and HST3000-VDSL-INF).
 - a. Operational Requirements
 - i. Triggering an error
 1. When the result associated with the configured threshold crosses the configured value the event shall be logged in the event log and the error LED shall be illuminated red.
 2. No threshold in the Off state shall trigger an error as described above.
 - ii. Clearing an error
 1. If the result that crossed the configured threshold value returns to an acceptable value the error LED shall be turned off. However if multiple thresholds have been crossed the LED shall remain illuminated until all results with a configured threshold that has been crossed have returned to acceptable values.
 2. For thresholds that have associated results that can be cleared by the user, if that result has crossed the configured threshold, once the user clears that result the error condition shall be cleared per the description noted in the section above.
 - b. Configuration Requirements
 - i. For all thresholds that only have an associated high value, entering a value of zero shall set the threshold to Off.
 - ii. For thresholds that have both high and low settings the following shall be true:
 - iii. A high value must be set before the associated low value can be set.
 - iv. With both the high and low thresholds set to off
 - v. When a high value is entered for a threshold the associated low threshold shall be set to the lowest allowed value.
 - vi. The configured value for the low threshold cannot be greater than the configured high threshold value. If a value is entered for the low threshold item that is greater than the associated high configured value, the low configuration item shall be set to the currently configured high value.
 - vii. To turn a threshold Off, a value of zero must be entered in the associated thresholds high limit. A value of zero entered in the low threshold will not set the threshold to Off.

Mainframe Changes

Added new Spanish language translations to GUI for copper, E1 and mainframe base. These are accessible under the International Settings menu.

Bug Fixes



Access-33 - P/F Limits bug

P/F Limits appear as OFF until cursor moves and then change to numbers.

Time Zone syncing with Stratasync is now enabled.

VNC Viewer bug

Add code to check for crash of VNC server and re-enable VNC server if it has crashed.

HST-117 - PHY update behind router

Change BDCM PHY update IP address to allow for updating behind a home router.

HST-116 - Copper WB2 Return Loss bug

Incorrect termination in saved results.

StrataSync

Files in the 'results/scripts/tables' directory are no longer uploaded to Stratasync

Known Issues in 8.04.13 firmware version

None.

