

Technical Service Notification

This service notification provides information to Veeder-Root service network and technicians regarding Software Release Version 6H TLS-450PLUS and TLS4 Series Consoles.

1.0 Purpose

This Technical Service Notification announces the release of version 6H software for TLS-450PLUS and TLS4 Series consoles.

2.0 Description and Overview

Veeder-Root's strategy is to provide software releases on a regular cadence in order to furnish additional functionality, inclusion of customer requests, and other enhancements in a timely manner. The following information outlines the modifications in this release.

New Features:

- Saving Favorites – Previously, the favorites would be reset to default after a power cycle. This has been altered to permanently save each favorite until it is deleted or replaced by the user. Up to six menu shortcuts will be saved and displayed on the Favorites menu.
- Migration Simplification - During migration, the iButton feature information is now transparently brought over to the TLS-450PLUS from the TLS-450. This eliminates the need for the additional iButton migration step. Additionally, the blue iButton adapter has been removed from the BOM on kit 330020-771.
- Added support for Nupi Smartflex piping - Added pipe type data to the PLLD menu to add quick selection of Nupi Smartflex double wall TSMAXPD50, TSMAXPD63, TSMAD50 and TSMAD63 piping for 2" and 2.5" diameter pipes.
- Added support for OPW FlexWorks piping - Added pipe type data to the PLLD menu to add quick selection of OPW FlexWorks C15, C20, and C30 piping for 1.5", 2" and 3" diameter pipes.
- Online Help improvements - Added a screen matrix to the online help to show which screens are available by role on the System Admin > Roles > Admin screen.
- **Increased Temperature range for SLD Tests** - Increased the maximum supported temperature for test execution from 100°F (37.7°C) to 113°F (45°C) to run in extreme temperature environments.
- Enhancement to improve HRM performance when a Low Product condition occurs - Previously, the ATG reported a Status 9 (Invalid Hours) when a Low Product condition occurred. The feature was changed to continue operation when a Low Product condition occurs, and only invalidate hours when there is an Invalid Fuel Level alarm (when the product float bottoms out).

Enhancements:

- Corrected an issue with CDIM software introduced in 6F where a single End event message would generate two DIM End events. When this occurred Fueling position 1 would not map.
- Corrected an issue introduced in 6F where the GUI would restart when a System Administrator viewed permissions.
- Corrected an issue where switching between languages would cause the Language / Units page to incorrectly display the labels and settings on that page.
- Corrected the computer format for the 79E Serial Command (Clear Tank Map Table). The status field was expanded from a single-digit field to a two-digit field to be consistent with the TLS-350 format.
- Corrected an issue on the Web interface where an Error code 200 would be returned after selecting a tank from Tank-Setup-General screen, causing the user to have to reconnect.
- Corrected a GUI issue with the Ethernet Settings menu where all of the boxes would grey out after saving information on the screen two times consecutively, requiring the user to leave the page and return to gain access to the fields again.
- Corrected a problem with the Inquiry N04 command where non-translatable items (address and board type) were being translated to the selected language. They now appear with the proper non-translated address and type values.
- Corrected the printout for the Setup/Environmental Test screen where the “Early Stop” feature wasn’t always reported correctly.
- Corrected a problem where the mail (SMTP) relay host information was not migrated properly during an upgrade from the TLS-450 to a TLS-450PLUS. This error prevented mail from being sent through a mail relay host, requiring the email addresses to be re-entered after a migration. Relay host information will now transfer seamlessly to the TLS-450PLUS console during an upgrade.
- Online help will now be displayed in English if there is no translated context sensitive help for the GUI/Web. Previously an error message was displayed.
- Fixed an issue where the online help displayed some entries in the Alarms and Warnings table twice.
- Corrected the online help for Liquid sensors. Previously it showed Line Pressure sensor information.
- Addressed an issue where unnecessary COMM ALARMS and WARNINGS were being posted while configuring devices during setup on the GUI. The Alarms and Warning are now only posted once the user exits the GUI setup.
- Wayne IDPOS: Corrected an issue where transactions were being posted on non-existent meters on blended fueling positions. This issue occurred when the TCP/IP interface was lost to the dispenser. Reconnects are now properly handled.
- Clarified Online Help for Import Configuration feature
- Corrected an issue where VMC Error descriptions were being incorrectly translated due to the string having an error number and text together without a space (i.e. 04-Shtdwn Warn).

These translations have been corrected to display the error code and the translatable text separately.

- Corrected a problem with database restores from the web page. The progress bar would stop progressing when it reached 10%. It now progresses properly and displays a message box indicating the restore is in progress.
- Corrected an issue introduced in the 6C release which caused Chinese characters to be cropped.
- Corrected an issue for tanks with volumes greater than 9,999,999 gallons or liters, the Tank Overview screen of the GUI truncated the volumes displayed. With this release, the GUI now correctly displays the volumes for values over seven digits.
- Fixed an issue impacting the GUI, Web and serial commands where after changing the Tank Tilt, the values displayed on all three interfaces was different.
- Corrected a Device Diagnostic report screen which incorrectly displayed the sensor STATUS for all smart sensors. Previously, when the sensor was physically disconnected, the screen continued to show the last status, versus the expected Sensor Out. Note that this was not an issue with smart sensor alarms and warnings as they were being updated correctly.
- The Workflow Wizard was corrected to include setup steps for the Timed Sudden Loss feature announced in version 6B. Some Custom Float Parameters (Water Offset, Invalid Fuel, Fuel Offset) were not displaying correctly after saving, requiring the user to navigate off the page then back to view updates. This release correctly updates the menu after a save.
- Corrected an issue where Hindi translations for High Water Alarm and High Water Warning do not fit in the label fields.

3.0 Release Schedule

Veeder-Root recommends keeping console software upgraded to the latest version. This software release fixes issues that could cause problems in currently installed gauges.

We recommend that TLS-450PLUS and TLS4 Series customers upgrade to the latest version of software available, version 6H.

Version 6H consoles starting shipping March 30, 2015.

The **TLS-450PLUS and TLS4 Series Software Download** capability provides a remote method to automatically download software releases when registered. This service is available starting with Version 5B or later where software update notifications are automatically queued on the ATG for the customer to decide when to seamlessly convert to the new release. This service is not available on any other Veeder-Root ATG platforms.

As a best practice with a software upgrade, Veeder-Root recommends verification that the Universal Sensor Module (USM) and Input/Output Module (IOM) are operating with the latest firmware version. Instructions for a USM or IOM firmware update can be found in [Continuing Education Bulletin 2015-08B, Firmware Upgrade](#).

Software upgrades can be ordered at no charge for a limited time by ordering the software kit below:

Software Upgrade Kit – TLS-450PLUS, TLS4 Series Consoles

Part Number	Description	List Price
330020-744	TLS-450PLUS, TLS4 Series Operating Software Upgrade	No Charge

4.0 Documentation

Details on the Migration Simplification feature can be found in the Technical Service Notification ***TSN_2016_2A, TLS-450PLUS Migration Procedure Change.***

Updated information on the TLS-450 to TLS-450PLUS migration process can be found here.

[Manual No: 577014-048](#) • Revision: B ***Upgrade Instructions TLS-450 to TLS-450PLUS***

Note that these documents supersede Technical Service Notification ***TSN_2015_10A, TLS-450 to TLS-450PLUS Migration Feature Upgrade***, which emphasized the *577014-048 Revision: A* manual requirements to port over the features as part of the upgrade process.

No other manuals were updated as part of this release. Manual information can be obtained at: www.veeder.com/support/technical_documentation.

5.0 Further Information

For questions or to receive copies of available documentation, please contact technical support at technicalsupport@veeder.com.