VS-TC Series Software 2.0.0

General Remarks

VS-TC Series Software Version 2.0.0 is a software upgrade that introduces support for the NAX271B/01 VS-TC and NAX280A/01 VS-TC-HP system configurations through the addition of an external Dummy Load Interlock connection.

For those who do not require any of the bug fixes/improvements identified below, are satisfied with current transmitter behaviour or require any of the unimplemented features, do not upgrade to this version.

You can download VS-TC Series Software Version 2.0.0 here.

Upgrade Considerations

Upgrade Procedure

If your VS-TC or VS-TC-HP is an NAX271B or NAX280A, respectively, or older, and if you wish to incorporate a dummy load interlock connection, please follow FM25013 to upgrade them to NAX271B/01 or NAX280A/01, respectively.

Software upgrade procedures can be found in FM25013, *VS-TC and VS-TC-HP: Upgrading Firmware to Support Dummy Load Interlock Function*. Please be sure to review and understand the complete set of instructions prior to beginning your upgrade.

This software upgrade will take approximately 20 minutes. You will be OFF-AIR during the upgrade process.

Nautel does not recommend downgrading to previously released software.

Added

- Dummy Load Interlock functionality.
    - The Dummy Load Interlock has been added to the Remote I/O port.
    - Added the Dummy Load Interlock Open alarm.
        - Applicable transmitters for VS-TC and VS-TC-HP systems may not have the Dummy Load Interlock Open alarm. Instead, they will show an untranslated alarm when viewing Alarms or Logs. When the Dummy Load Interlock Open alarm is added to any future releases of the applicable transmitters, the release notes for the applicable transmitters will document the change.
    - While the Dummy Load Interlock Open alarm is triggered, the LED for the transmitter that is routed to the dummy load will blink on and off.
    - For more information about the Dummy Load Interlock, please refer to the *Preparation for Use & Installation* section of the VS-TC/VS-TC-HP's *Technical Instruction Manual*.

Changed

- Increased the RF Changeover Delay minimum value from 0.1 s to 7.0 s.
    - If the RF Changeover Delay is less than 7.0 s before the upgrade, performing the upgrade will set the new value to 7.0 s. Please take appropriate action to avoid any undesirable behaviour.
    - Applicable transmitters for VS-TC and VS-TC-HP systems may not have their RF Changeover Delay range updated in their Transfer Control menu. When the range has been updated in future releases of the applicable transmitters, the release notes for the applicable transmitters will document the change. Any value set to lower than 7.0 s will instead be set to the previously valid value.

Removed

- Controlling the Maintenance Mode using the Remote I/O port has been removed in favour of the Dummy Load Interlock connection.
    - If the Maintenance Mode input is still connected to your remote system post-2.0.0 upgrade, the input function will no longer behave as expected. Please take appropriate action to avoid any undesirable behaviour.
    - The Maintenance Mode can still be changed using the VS-TC/VS-TC-HP's Front Panel or through the Transfer Control menu in the connected transmitter's UI.