SC4 3P1 Series Software 1.1.0

General Remarks:

SC4 3P1 Series Software Version 1.1.0 is a software update suitable for all Nautel SC4 3+1 Systems.

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

You can download SC4 3+1 Series Software Version 1.1.0 here.

You can download the Cortex 320 Firmware for Nautel SC4 Products here.

Software Upgrade procedures can be found in IS23016A, *SC4 - Software Upgrade Procedure*. Please be sure to review and understand the complete set of instructions prior to beginning your upgrade.

Install Considerations:

SC4 3+1 Series Software 1.1.0 is compatible with VX SW 6.3.1 and prior. Customers running VX SW 6.3.2 or VX SW 6.4.0 should downgrade to VX SW 6.3.1 to ensure the accuracy of the AC Fail detection.

This software update will take approximately 15 minutes. The SC4 upgrade included in this release will open transmitter interlocks during the upgrade. Therefore, it is recommended that this upgrade coincide with scheduled downtime of 15 minutes to ensure no unplanned off-air time. The SC4 web interface will also be unavailable while the update is applied.

Nautel does not recommend downgrading to previously released software, except in cases of degraded user experience.

Added:

- Improved offline detection speed.
  - Discontinued use of pings.
  - New method to detect SNMP response failures.
  - Automatic transfers disabled when AC power failure detected by the SC4. Automatic transfers remain disabled for a further 120 seconds after AC power recovery
  - Automatic transfers disabled for 60s after a re-boot of the SC4.

Changed:

- Forward power low detection so that forward low indication occurs immediately, rather than after transfer delay expires.
- Removed requirement for transmitters to be in remote to enable auto transfer.
- Previously, the main transmitter offline transfer trigger would activate regardless of the RF On/Off state of the main transmitter (e.g., even if it had been manually turned RF off). Added logic to latch the RF on state of the main transmitter so that only an offline event when the transmitter was previously RF On will trigger an auto transfer.
- Added automatic re-send of the SNMP set command to the standby transmitter if a Standby Preset fault is detected.
- Added automatic re-send of program router relay command pulse if a program router fault is detected.

Fixed:

- An automatic NORMAL command is sent to ensure the system is capable of auto transfers following a re-boot without any manual intervention.