



Nautel SC4 M/S Series Software Release Notes

SC4 M/S Series Software 1.1.0

General Remarks:

SC4 M/S Series Software Version 1.1.0 is a software update suitable for all Nautel SC4 Main/Standby 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 M/S 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 Main/Standby 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.

Changed:

- Prevent unwanted transfers during critical periods:
 - When site AC Fail is low.
 - For 120s following recovery of site AC to all connect transmitters to boot and re-connect.
 - For 60s following a bootup of the SC4 to allow its own systems (SNMP agent etc.) to restart and recover.
- 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.



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Fixed:

- Standby transmitter interlock was not being opened when system interlock opened or switch fault present.
- Standby RF ON checking to enable auto transfer was previously only effective for low forward power transfer triggers, not main transmitter offline triggers, now applies to both.
- System interlock open was not inhibiting auto transfer.
- Switch fault now will disable auto or manual transfers.
- A re-arm of the system after an auto transfer had occurred would result in a service interruption.