# Nautel Software Bulletin
November 15, 2011

## Nautel NV Series V2.9 Release Notes

Nautel strongly recommends this latest software update be done ASAP.

The most significant improvements with this version include:

Version 2.9.1 - Released September 7th:

- Fixes nuisance Combiner Matching Shutdown alarms during ramp-up.

- Changes default Low IPA Output Power threshold from 65W (was 70W) to 55W in order to resolve a ramp-up issue where the open loop IPA voltage would not result in sufficient average IPA output power to activate IPA ALC.

Version 2.9 - Released August 16th:

- Two additional alarms; "Residual PA Volts" and "Residual IPA Volts" alarms; to inform the customer that the PA/IPA voltages haven't completely discharged and this fault is why the transmitter hasn't recovered (being held off). These voltages must fall below 3V in order to clear the alarm.

- Improved protection functions for detecting the presence of an RF Module Output Network fault or Transmitter Combiner Matching fault; such as a short circuit in the combiner (prior to the VSWR probe). In the event an RF Module detects an output network fault it will shutdown, requiring a manual reset to restore operation. In the event more than one RF Module detects an output network fault, the entire transmitter will be shutdown, requiring a manual reset to restore operation.

- Resolves the issue where a "Low RF Drive Power" alarm is logged each time the transmitter is turned RF on; it is now masked off for a predetermined period of time and only becomes active once the exciter is expected to have achieved its desired power.

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## Nautel NV Series V2.9 Release Notes continued...

- Resolves the issue where a "Mode/Frequency Mismatch" alarm is logged when a Preset frequency change occurs; it is now masked off unless it persists for more than 4 seconds.

- Further improvements by eliminating erroneous "Module Not Responding" alarms from being displayed in the Events Log.

- Improved characterization of IPA Power vs IPA Volts; eliminates the risk of "Low IPA Output" alarms causing the transmitter to halt during ramp-up, not exceeding the IPA Output Low Threshold.

- A change to the control function whereby an RF Power Module "Power Supply" will be latched off in the event a "PS Temperature" alarm is indicated by the power supply. A manual reset it required to clear the alarm and restore the power supply to operation.

- A more stable version SNMP Agent. Transmitters upgrading to this release must upload the Agent file using IS09019D or later. The file resides on the flash card and is part of the OS (Operating System) and is not updated via the normal upgrade process.

- Resolves an internal serial communication traffic issue, which caused external serial bus data loss. AUI performance has improved.

Follow the link below for the latest files. Files may be safely transferred using flash drives or "copy and paste".

NV Series Software V2.9

For record keeping purposes please notify customer service via email when software update is complete.