SAAB

R5 AIS AND NAVIGATION SYSTEMS NEWSLETTER

Update for product service and support

In this issue:
- New R5 SW 1.3.2
- Features of SW 1.3.x
- R5 SW 1.3.0 issue

R5 SW 1.3.2

A new firmware package has been released. Capabilities of the 1.3.x baseline are extended and issues with the previous 1.3.0 version have been corrected. This release includes updated software for R5 SUPREME AIS, R5 SUPREME CDU, R5 SOLID, R5 NAV and derivative products.

New Features in R5 SW 1.3.2

AIS: - Support for continuous wave testing
NAV MkII: - Configurable if NAD-83 shall be reported when using beacon stations in North America

Corrections and improvements
AIS: - Serial data issue as described below
                   - Problem with reading of configuration from USB
W-AIS: - Tx pulse issue
NAV MkII: - Issue with presentation of received magnetic variation data
                   - GNSS and satellite status presentation issues
ALL: - Improved synchronization between alarm relay and alert indications directly from the system

Features Introduced with R5 SW 1.3.x

Updated certificates
R5 NAV MkII: IEC 61108-2 (GLONASS), IEC 61162-450 (Network), IEC 62923-1 and IEC 62923-2 (BAM)
R5 AIS systems: IEC 62923-1 and IEC 62923-2 (BAM)

Type approved Bridge Alert Management support
System "Alarms" have been replaced with "Alerts" as per MSC.302(87) and IEC 62923-1/2. Alerts are now categorized according to severity. GUI, sounds as well as external interface protocol has been updated.

NAV: Stand-alone GLONASS Type Approval

NAV: New NAV Screens
The R5 CDU features full screen Position, COG or SOG views

NAV: Protection from excessive GNSS output serial buffering
The R5 CDU will warn the user when enabling more data than the serial port in question can handle, The system will halt GNSS data output and issue a system alert before excessive buffering takes place.

AIS: R5 Transponder SW 1.3.0 serial data issue

AIS transponder SW version 1.3.0 is withdrawn from distribution and replaced with **SW 1.3.2**.
Deviations from the standard format was found in VDM/VDO multi slot messages transmitted on the serial and Ethernet interfaces from R5 AIS transponders with SW 1.3.0.
As a result, some static target parameters may be rejected by equipment interfaced with the AIS transponder