

R5 AIS AND NAVIGATION SYSTEMS NEWSLETTER

Update for product service and support

In this issue:

- New R5 CDU SW 1.3.3
- R5 SW 1.3.2
- R5 SW 1.3.0 Issue
- Features of SW 1.3.x
- Download

R5 CDU SW 1.3.3

A firmware package has been released for the R5 Supreme Systems. This release includes updated software (1.3.3) for R5 SUPREME CDU and the previously released software (1.3.2) for R5 SUPREME AIS, R5 NAV and derivative products. There is no functional growth in this release. General features, including manuals and certificates introduced with R5 SW 1.3.x are retained.

New Features in R5 CDU SW 1.3.3

Fix for memory component failure

- Unexpected startup with system setup wizard is an indication of this failure
- Failed units can be repaired by installation of this SW
- Failures in the future are avoided

Fix for unexpected CDU restarts

- Sporadic restarts are most likely to be experienced in combined system configurations
- Specific issue related to usage of Nav System Alert Config view

Other corrections

- 'Manual' waypoint pass criterion available also for single waypoint and last waypoint of a route
- 'WGS84' indicated also when using R4 Navigation sensor
- Issues with scheduled notifications following CDU restart have been fixed

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

AIS: R5 Transponder SW 1.3.0 serial data issue

AIS transponder SW version 1.3.0 has been withdrawn from distribution and replaced with **SW 1.3.2**.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



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 -2 (BAM)

R5 AIS systems: IEC 62923-1 and -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.

Download

Firmware update packages and documentation for R5 products can be downloaded from the Saab website:

<https://saab.com/security/#maritime-traffic-management>