Technical Notification

COBHAM

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SAILOR VSAT
SW ver. 1.57 Build 024

Subject:
Please be informed that new software, version 1.57 build 024, for SAILOR 800 VSAT Ku –
SAILOR 900 VSAT Ku – SAILOR 900 VSAT High Power, has been released.

Priority:

- **HIGH:** It is highly recommended to apply this change / initiative to all systems.

Changes from SW ver. 1.57 Build 023 to SW ver. 1.57 Build 024

- **New features and improvements:**
  - Improved tracking algorithm. This improvement applies especially to smaller vessels operating in rough seas.

- **User related bug fixes:**
  - None

- **Known problems:**

  - None

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Release history

Changes from SW ver. 1.57 Build 017 to SW ver. 1.57 Build 023

- **New features and improvements:**
  - Search window definition has been changed from +-2 to +-4 degrees.
    This change will allow the antenna to acquire the correct satellite even if the azimuth calibration is as offset as we have seen since the release of 1.57 b17
    The acquisition time will only be extended by 5-10 seconds – so there should not be any draw backs from this change.

Changes from SW ver. 1.54 Build 020 to SW ver. 1.57 Build 017

- **New features and improvements:**
  - Dual-Antenna BUC power fixes.
  - Added Cross-Elevation Bearing performance optimization. Appendix I.
    - Minimize friction by improving distribution of grease in bearing.
  - Added options for extra modem diagnostics. Appendix II.
    - Enabled in the help desk, shown in diagnostic report
  - Support for SAILOR 900 VSAT High Power.
  - Self-refreshing Dashboard.
  - "openAMIP" Without TX info supported. Newtec modem)
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  - **User related bug fixes:**

    - Auto recovery after antenna shutdown corrected
    - GNSS Position on dash board showing position with an offset to the D$^{\circ}$ M". Appendix III.
      - Bug Fixed. GNSS Position now shown in degrees and decimal degrees

Changes from SW ver. 1.54 Build 012 to SW ver. 1.54 Build 020

- **New features and improvements:**

  - None

- **User related bug fixes:**

  - Improve the VIM to LNB interface to handle special situations that could lead to CRC errors in the Modem and unexpected loss of Rx lock in certain VSAT modem types
  - Autorecovery after antenna shutdown corrected

- **Known problems:**

  - None

Changes from SW ver. 1.50 Build 036 to SW ver. 1.54 Build 012

- **New features and improvements:**
  - New WEB MMI layout. (see appendix)
  - New Navigation menu.
    - Heading: External, Fixed, None
    - GPS: Possible to manually input GPS position. (see appendix)
  - Support for new GNNS module.
    - GPS, Glonass, BeiDu is supported with the new Hw installed. (see appendix)
  - SNMP Trap support (see appendix)
    - For info. See the MIB file.
  - Remote syslog (see appendix)
  - Improved heading handling (GPS compass)
  - SAILOR 60 GX support

- **User related bug fixes:**
  - EVENT LIST: UTC shows local time

- **Known problems:**
  - None

Changes from SW ver. 1.50 Build 016 to SW ver. 1.50 Build 036

- **New features and improvements:**

- **User related bug fixes:**

  - Antenna does not respond to a 'jog command' Fixed

- **Known problems:**
  - None

Changes from SW ver. 1.48 Build 129 to SW ver. 1.50 Build 016

- **New features and improvements:**
  - Complete support for SAILOR 100 GX and GX upgrade kit.
  - Azimuth calibration using active satellite profile.
    - "Just click and calibrate"
  - Stores previous sw ver. for easy roll back.
    - "Just click and roll back previous sw ver."
  - Extra options on Generic modem setup (RSSI / Rx-LOCK)
    - Reacquisition based on RX-lock status (high / low - threshold)
  - Additional RX Locked status on the Dash Board – VSAT Modem.

- **User related bug fixes:**

  - Reacquisition in 'Generic Modem mode' based on RX-lock status.

- o Recalibration of ZRM/encoders before acquisition to minimize influence of radar interference in the encoders.
  - *The fix will make the ADU more robust, but not fix the entire interference issue when the ADU is installed within the +-15 deg radar beam.*
- o Occasional PMM POST failure after reboot.
- o Changing admin password using POST.

- o **Known problems:**

- o Issues with iDirect Serial modem sw version 15.0.0.X.
  The SAILOR VSAT does not get the Tx frequency parameter from the modem. This will result in a warning on the SAILOR VSAT.
  The Tx frequency used for the cable calibration will then be set to 1.225Ghz for best possible performance.
  Note: With sw. ver. 1.48 build 114 and lower, the SAILOR VSAT will raise a permanent alarm, and will not be operative.

Software upload procedure.

1. Extract the "SAILOR VSAT- Ku software 157B024.zip" file

2. Open an Internet browser on the PC and enter the web address to the SAILOR VSAT/GX at **http://192.168.0.1.**

3. Select **ADMINISTRATION.**
   Enter **ADMINISTRATOR LOGIN:**
   User name: (default = admin (case sensitive))
   Password: (default = 1234)

4. Locate UPLOAD SOFTWARE TO TERMINAL , Browse, and select the new software file tt7xxx_1.57-24-acu.tiif

5. The SAILOR VSAT/GX system will reboot,

6. Verify that the page shows the new software version numbers currently loaded in the ACU.

This concludes the SW upload procedure.