Technical Notification

COBHAM

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EXPLORER 5075GX
SW ver. 1.55 Build 16

Subject:

Please be informed that software, version 1.55 build 016 for the EXPLORER 3075GX - EXPLORER 5075GX - EXPLORER 7100GX has been released.
Note, changes in this version will not have any effect on EXPLORER 3075GX.

The new software includes bug fixes for better stability and improvement of existing functions and features.

IMPORTANT: Upgrading from ver. 1.50 Build 36 or older require step-upgrading via bootloader upgrade software version 1.52! The specific procedure is described in earlier release note for 1.54 build 12, document number 95-151425-A.

Note: With bootloader ver. 1.52 (or never) installed, downgrading to earlier version(s) below 1.54 will not be possible!

Upgrading directly from ver. 1.54 to 1.55 is possible. Procedure is described below.

Priority:

> **MEDIUM:** It is recommended to apply this change / initiative to all system(s). For units sold it is recommended to apply this change / initiative next time the system(s) is inspected.

Changes from SW ver. 1.54 Build 012 to SW ver. 1.55 Build 016

New features and improvements:

- Support for openAMIP scan count parameter to iDirect Core Module.
    - Improves handling of iDirect core module sw version 1.1.1.3 and never. Please also refer to work-around procedure 99-150489-B for improved setup and handling of GX specific network satellite acquisition in overlap regions.
- Improved functionality of compass
    - Fix for compass error event when calibrating near metal.
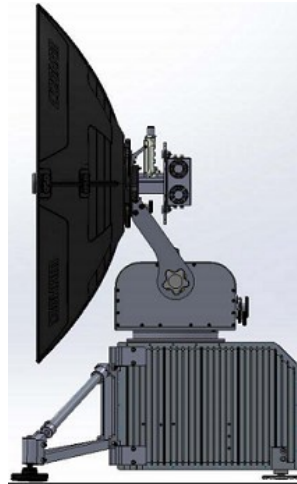   - Fix for timing error in compass SPI communication.

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Known problems:

- none

Notes:

EXPLORER 3075GX: This software - including Bootloader upgrade version 1.52 - does **not** support older type of 3075GX (407164A-00500) as some sensors are no longer used. Attempts to upgrade will be rejected with an error / software mismatch message.

Not supported EXPLORER 3075GX

Procedure for upgrading to latest software version.

IMPORTANT! – If initial version is 1.50 Build 36 or older, then step-upgrade via Bootloader ver. 1.52 is necessary. See previous release note 95-151425-A.

1. Extract the EXPLORER_VSAT ver 155 B016.zip file

2. Connect a PC to LAN interface 1 (Service port) and open an Internet browser and enter the address of the EXPLORER terminal **http://192.168.0.1** (Default).

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

4. Click **SERVICE** in the navigation pane and locate UPLOAD SOFTWARE TO TERMINAL.
   Browse and select software file **tt7xxx_1.55-16-acu.tiif**.
   Do not browse away from the upload page. This will terminate the upload process.
   Wait for the browser to reload automatically

5. The EXPLORER GX system will reboot and display will show "**Antenna sw upload**" for up to 2 minutes.

6. Verify that the **DASHBOARD** page shows the new software version currently loaded in the ACU **1.55 build 016**.

This concludes the SW upgrades procedure.

Release history

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

New features and improvements:

- Support for Explorer 3075GX with tri pod.
- EXPLORER GX: User manual upload.
    - User manual accessible when it has been uploaded via web interface.
- EXPLORER GX: Manual pointing and fixed installation improvements.
- EXPLORER GX: Jog limits increased.
- EXPLORER GX: Software upgrade deletes bootloader for a short time.
- E7100 GX: RX lock discrete IO does not work.

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

- **New features and improvements:**
    - Support for EXPLORER 7100GX
    - Added "Fixed Installation" feature (automatic re-acquisition during power fall-out) on EXPLORER 3075GX.
    - Antenna does not respond to a 'jog command' Fixed

Changes from SW ver. 1.49 Build 019 to SW ver. 1.50 Build 016

- **New features and improvements:**
    - Support for EXPLORER 3075GX
    - General stability improvements