

# Thrane & Thrane

## Service Bulletin

### RECOMMENDED

405040A

Service Bulletin no: 95-139496-A

**SUBJECT:** Software Update to 405040A, AVIATOR Swift Broadband Unit (SBU).

**REASON:** This Service Bulletin is being issued to inform about a recommended software update of the SBU, part no. 405040A, to version 1.06 (Thrane & Thrane part no. 84-127518-106). This unit is part of AVIATOR 200/300/350/700 as well as the former *Aero-SB Lite* and Aero-SB+ systems. This software is NOT valid for AVIATOR 700D.

**Summary:** The change in software v1.06 compared to the previous version v1.05 is the following:

- Inmarsat is planning to update the Core Network with a new software supporting 'called number' in the signalling (ground to terminal direction). The current SIP protocol in the SBU is not capable of handling the 'called number' for SIP handsets, so when an incoming call is received in the terminal, only 2-Wire/ISDN handsets will ring. SIP handsets (Any handset connected via WIFI or Ethernet) will not ring if the SBU has software v1.05 or older.

With the new software v1.06 – the SIP protocol is handling the 'called number' correctly and all handsets will ring when an incoming call is presented for the terminal.

The mentioned change is minor and with no changes in form, fit and function concerning the airworthiness.

**EFFECTIVITY:** Any of the following units:

405040A, all Serial Numbers

**NOTE !!**

**NOTE !!**


**If you are no longer in possession of this equipment, please forward this information to the present owner.**

**COMPLIANCE:** Thrane & Thrane considers this to be a recommended modification and it must be installed when required or during next maintenance.

**COMPATIBILITY:** When configuring any AVIATOR systems or (SBU) Swift Broadband Unit, 405040A, a PC with a web browser must be used.

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Approved by: Kent Bryld Date: 28-June-2013

  
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**APPROVAL:** Thrane & Thrane Quality Assurance Department.

**MANPOWER:** The update shall be accomplished with the equipment powered on and the front maintenance port of the 405040A SBU accessible. The update can profitably be executed leaving the equipment in its normal installation position onboard the aircraft.

Estimated man-hours for software update of the 405040A: 0.5 hours

Number of persons suggested: 1 person.

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

<b>MATERIAL:</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b> (Per Equipment)
	None		

**SPARES  
AFFECTED:** None

**WARRANTY  
CREDIT:** Thrane & Thrane will supply the parts noted under MATERIAL as warranties replace on all affected units that are within our 2 year's warranty at the time this service bulletin is released.

No warranty credit for labour noted under MANPOWER will be granted

**SPECIAL  
TOOLS:**

- One Ethernet cable.

See also 'Hardware and Software Requirements' under 'Accomplishment Instructions' below.

**REFERENCES:** None

**PUBLICATIONS  
AFFECTED:** None

**ACCOMPLISHMENT  
INSTRUCTIONS:**

This Service Bulletin shall be accomplished as described in the steps below. If you have any problems understanding or performing the instructions, please contact Thrane & Thrane at [aerosupport@thrane.com](mailto:aerosupport@thrane.com) or at +1-757-463-9557 (Americas) or +45 3955 8800 (Rest of the world).

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#### Hardware and Software Requirements:

The following items are required before the software can be updated:

- One computer with a standard Ethernet port available.
- A standard Internet browser, such as Internet Explorer 6.0, 7.0 and 8.0, Mozilla Firefox 2.0 or Apple Safari 2.0.
- 1024 768 pixels or higher display resolution. The program is best viewed using small fonts.
- One straight LAN cable.
- The zipped file containing the new software. Can be downloaded from the Self Service Center. Go to [www.Cobham.com](http://www.Cobham.com), select SATCOM (under strategic Business unit), select AVIATOR products, in the Service and Support menu, select Technical downloads. And then Downloads, Aeronautical, AVIATOR 200/300/350 or AVIATOR 700, Software.

#### Preparing Software Update:

1. On the PC, unzip the zip file containing the new software. Remember or write down which folder you extracted the file to.
2. Connect the SBU front port to the PC LAN port, using a straight LAN cable.
3. Power on the AVIATOR system or (SBU) Swift Broadband Unit, 405040A.
4. Close all other applications on the PC.
5. Open your Internet browser.
6. Enter the IP address of your SBU. The default IP address is 192.168.0.1.

You are now connected to the web interface of the SBU.

#### Updating Software:

7. In the web interface, select **SETTINGS** from the left navigation pane.



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8. Click **Upload** from the left navigation pane.
9. The **Current software version** field shows the current software version.
10. Click **Browse...**
11. Browse to the new software version and accept it.
12. Click the **Upload** button.

Note that the upload procedure takes a couple of minutes. When done, the SBU automatically restarts with the new software version.

#### NOTE: If software upload fail – How to recover.

To recover from a failed software upload, turn off the SBU and turn it on again. Then repeat the upload procedure as described in *Updating the software*. If software upload still fails, use the IP Reset button as described in *IP Reset (Default) button* in the Installation Manual to initiate a software upload from an external server.

**COMPLIANCE:** Upon completion of this Service Bulletin, make appropriate maintenance records.

#### TESTING PROCEDURE:

1. The SBU software version can be viewed in the **DASHBOARD** window of the web interface.
2. After completing the software update procedure, the SBU will perform a POST (Power On Self Test).
3. When the POST has finished, the green Pass/Fail LED on the front of the SBU must become steadily green. Verify that the Pass/Fail LED is neither red nor flashing orange once every 2 seconds. Wait until the Pass/Fail LED is green.
4. Verify that the software update has been completed successfully. You find the software version number in the **DASHBOARD** window of the web interface.

#### Software identification procedure:

On the Part Number / Serial Number identification label on the SBU make a cross mark in the Software Ver. field number according to the new software version.