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Sandel ST3400H HeliTAWS™
Instructions for update to software version 1.06

Date: October 13, 2016

Regarding: ST3400H software update to version 1.06

Introduction
This document describes the procedure to update an ST3400H HeliTAWS to software version 1.06.

NOTE: Software version 1.06 is compatible only with ST3400H units serial number 46-2199 or below.
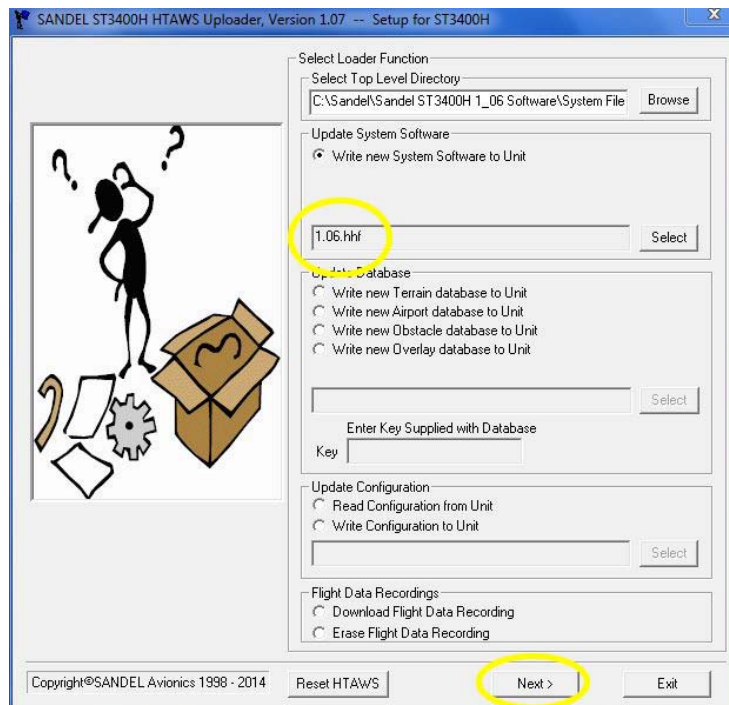
Hardware Requirements
* PC with Microsoft Windows 7, Vista or XP with available USB port. The ST3400H HeliTAWS USB driver supports both 32 and 64 bit versions.
* USB to mini-USB interface cable, Sandel part number 88114 or equivalent. Use of a USB extension cable is not recommended.
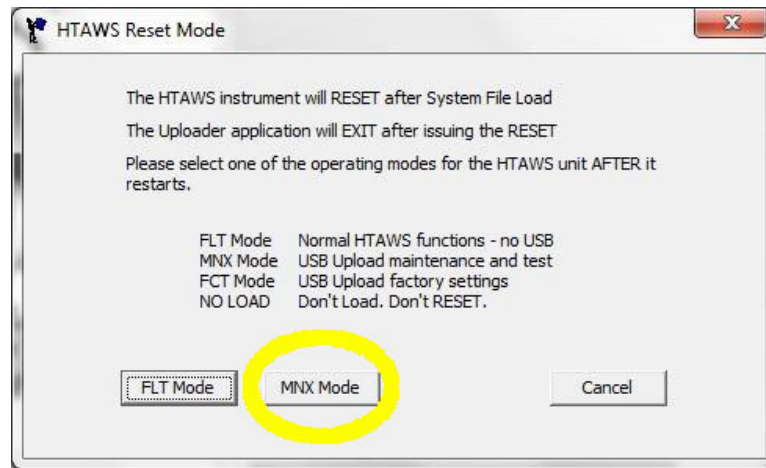* If updates are performed in the aircraft, it is highly recommended that a ground power unit be used.

Update Instructions
1. Download the ST3400H software/database package from the Sandel website. A specific link will be given by Sandel. Save this file to the computer that will be used for the update and then double-click on the file to extract the contents.

2. On Windows Vista and 7 a message window may appear asking: 'Do you want to allow the following program from an unknown publisher to make changes to this computer?' Click on 'Yes' to continue if this message is shown.

3. The destination folder will default to 'c:\Sandel'. Click on 'Install' and the necessary files will be stored in the c:\Sandel folder.

4. On Windows Vista and 7 a message window may appear that says: 'This program may not have installed correctly.' Click on 'This program installed correctly' if this message is shown.

5. With power removed from the ST3400H, connect the unit to the PC via the USB cable.

6. Power up the ST3400H in maintenance mode. This is done by holding down the SENS and MUTE buttons while applying power. Continue to hold down the buttons for about 30-45 seconds until the display is visible.

7. If a message 'Found New Hardware' appears, follow the instructions for installing the USB driver found in 'Sandel_ST3400H_HeliTAWS_USB_Driver_Installation_C.pdf'.
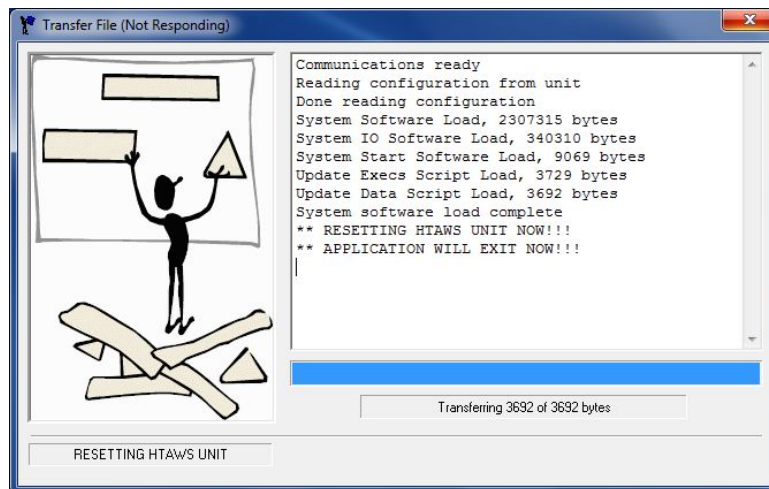
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8. Open Windows Explorer and locate the **SandelHTAWSUploader_1_07.exe** file. The default location will be in 'C:\Sandel\Sandel ST3400H 1_06 Software. Double click on the SandelHTAWSUploader_1_07.exe file to start.

9. The Sandel HTAWS Uploader Setup screen will appear. Select the option **'Write new System Software to Unit'**.

10. Ensure that '01_06.hff' is shown in the box underneath 'Write new System Software to Unit'. Click on 'Next' at the bottom of the setup window to start the update process.

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11. A message window will appear stating that the 'HTAWS unit will RESET after System File Load.' Click on the 'MNX Mode' button which will return the ST3400H unit to maintenance mode after the software update.

12. Progress bars will be shown as the software files are transferred to the ST3400H unit.

13. When complete the program will close and the ST3400H will power off and then power on in maintenance mode. The ST3400H should display 'SOFTWARE REV: 1.06' during the power on sequence.

14. On the ST3400H, press VUE to go to Page 2: SYSTEM. Verify that the Software Rev field displays '01_06'.

15. Press VUE several times to go to Page 16: SFTWR CRC. Verify that Pass is shown for all fields.

16. Power down the ST3400H. The software update process is now complete.

END OF SOFTWARE UPDATE PROCEDURE