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## Information Bulletin

### **Subject: ALT-8000 Radio altimeter Aeroflex part number 87340, New release of ALT-8000 software version 1.3.2.**

This service information letter (SIL) is to inform current users of the ALT-8000 of a new version of operational software that is currently available for download.

Effectivity: All ALT-8000 radio altimeters require this operational software update. Implementation of this version of software will change the currently installed version to 1.3.2.

#### **Summary of changes:**

1) Description of problem:

- Added TX attenuation fields to the test setup screen for pulse testing

When testing pulse type radio altimeters, external attenuators are required to perform testing throughout the entire dynamic range of the UUT receiver. The ALT8000 now allows the operator to input the external attenuator value.

2) Description of problem:

- Improvements to autodetect

The autodetect routine is improved to allow the ALT8000 to reliably detect the type of radio altimeter that is being tested.

3) Description of problem:

- Corrected loop loss

The loop loss calculation had an error. This has been corrected.

4) Description of problem:

- RF LVL is now calculated at the UUT

The RF level at the UUT connection now reflects the cable loss and the external attenuator values that are connected to the ALT8000. The RF amplitude displayed on the ALT8000 is now the RF level at the UUT connection.

5) Description of problem:

- Fixed LRA 2100 hardware unlocked problem

Users experienced occasional hardware unlock condition when testing the LRA2100. This has been corrected.

6) Description of problem:

- Fixed recalling of test settings data

7) Description of problem:

- Sweep rate is displayed in microseconds only for CDF and in Hz only for FMCW

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1) Product improvement.  
- Max rate is now 120000 ft/minute

2) Product improvement.  
- GUI doesn't jump when transitioning between legs when running a profile.

## Downloading and installing the new software.

**Note: Installation of this version of software does require the ALT8000 to be recalibrated.**

Refer to the ALT8000 maintenance manual (Aeroflex part number 89022) for the procedure or contact our customer support department for an RMA before sending the ALT8000 to Aeroflex. Contact Aeroflex customer service at 800-835-2350 or on the web at [Americas.service@aeroflex.com](mailto:Americas.service@aeroflex.com).

The installation of new revision software is outlined in the operator's manual 88035 (section 5.2.2). The latest version of the ALT-8000 software can be downloaded when available at the following web link:

<http://ats.aeroflex.com/avionics-test-products/safety-products/alt-8000-fmcw-pulse-radio-altimeter-flightline-test-set>

Revision	Date	Reason	Reference
AA	8/4/2011	New release	500000002057
AB	9/27/2011	Next revision	500000002263
AC	3/20/2011	Next Revision	500000002803
AD	7/29/2014	Release of version 1.3.2 operating software	500000005769

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