

## **Service Bulletin Number 3010.0X.00-34-3522**

### **Announcement of the Availability of TAWS Terrain Database 1202**

#### **A. Effectivity/Compatibility**

This Service Bulletin is applicable to Terrain Awareness Warning System (TAWS) Class A and B systems P/N 3010-0X-0X configured with TAWS SCN 10.4 and later. TAWS with SCN 10.4 are not field loadable and must be returned to Universal Avionics for update of the Terrain Database. TAWS computers with software prior to SCN 10.4 must be upgraded to SCN 10.4 or later to support Terrain Database 1202.

#### **B. Description**

A new Terrain Database has been released for installation in Universal Avionics Terrain Awareness Warning System (TAWS). This database contains the latest terrain feature updates to increase the effectiveness of TAWS.

TAWS Terrain Database 1202 incorporates the following enhancements to Terrain Database 0903:

1. Higher quality source data were used to process Terrain Database 1202. Nearly all source data was replaced with higher quality data.
2. The new data sources also resolved issues at the following specific airports:
  - NZAA – Auckland International Airport, New Zealand
  - NZAR – Ardmore Airport, New Zealand
  - NZAP – Tupo Airport, New Zealand
  - NSFA – Faleolo International Airport, Samoa
  - NVVV – Bauerfield International Airport, Vanuatu
  - NCRG – Rarotonga International Airport, Cook Islands
  - NSTU – Pago Pago International Airport, American Samoa
  - NZQN – Queenstown Airport, New Zealand
  - NWWM – Noumea Magenta Airport, New Caledonia
  - YBCS – Cairns International Airport, Australia
  - SCRM – Teniente Rodolfo Marsh Martin, King George Island, Antarctica
  - NZPG – Pegasus Field, Antarctica
  - NZWD – Williams Field, Antarctica

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- NZIR – McMurdo Station, Ross Island, Antarctica
  - PADU – Unalaska Airport, Alaska
  - PAKW – Klawock, Alaska
  - PASN – St. Paul Island Airport, Alaska
  - PAAK – Atka Airport, Alaska
3. High Resolution Data Coverage: The 6 and 15 arc second data coverage was updated. The high-resolution data coverage was updated to include:
- 6 arc second data for a radius of at least two nautical miles for all US airports and any airports identified as being in a mountainous area or in an area of rugged terrain
  - 15 arc second data for a radius of at least seven nautical miles for all airports worldwide

**NOTICE**

This Terrain Database can be field loaded in TAWS units operating SCN 10.5 or later. Contact Universal Avionics to obtain database loading instructions and database disks or USB flash drives to load Terrain Database 1202.

Loading terrain databases into TAWS requires a Solid State Data Transfer Unit (SSDTU) (P/N 1408-00-X or 1409-00-2) or DTU-100 (P/N 1406-01-X or 1407-01-1) with Mod 1 marked on the nameplate.

For operators using a DTU-100 without Mod 1, the TAWS units should be sent to Universal Avionics for updating. The terrain database contains five disks with 450 Mb of data and takes over an hour to load. Because of this, DTU-100 units without Mod 1 may fail due to overheating causing the TAWS Terrain Database to become corrupted and the TAWS system unserviceable.

If the TAWS unit is returned to Universal Avionics for update of the terrain database or because of failure during field loading, the repair center will update the database and perform all modifications and updates to the unit.

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**C. Compliance**

Installation of Terrain Database 1202 is optional. Consideration should also be given to the length of time since the database was last updated. Each Terrain Database incorporates all changes and updates from the previous databases. The following is a list of previously released Terrain Databases and the respective Service Bulletin describing the changes made to each of the databases. The Service Bulletins can be found on our website [www.uasc.com](http://www.uasc.com) under the UniNet tab.

<b>Database Cycle Number</b>	<b>Service Bulletin Number</b>
0209	3055
0309	3106
0405	3119
0412	3172
0508	3193
0702	3260
0805	3293
0903	3335

**D. Weight and Balance**

No change

**E. Material – Cost and Availability**

1. Universal Avionics will not be responsible for labor or other costs involved in removal and replacement of the unit. Universal Avionics will pay the cost of return shipping (FedEx P2 only) if the unit is still under warranty. Prior to shipping the unit, contact our Product Support Department for pricing, scheduling and shipping details.
2. Terrain Database 1202 media is available at a price of \$250.00 plus shipping. Contact our Navdata Services Department to purchase.
3. If the TAWS unit is returned to Universal Avionics for update of the terrain database or because of failure during field loading, the repair center will update the database and perform all modifications and updates to the unit. There is a charge of \$500.00 to recertify the unit.
4. Available from: Universal Avionics Systems Corporation  
3260 E. Universal Way  
Tucson, AZ 85756-5097  
Ph: (520) 573-7627  
Fax: (520) 295-2384  
Email: [customersupport@uasc.com](mailto:customersupport@uasc.com)