



Service Bulletin Number 3010.0X.00-34-3335

Announcement of the Availability of TAWS Terrain Database 0903

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

NOTICE

This Terrain Database can be field loaded in TAWS units. Contact Universal Avionics to obtain database loading instructions and database disks or USB flash drives to load Terrain Database 0903.

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, it is highly recommended that TAWS units be sent to UASC for updating. The terrain database contains four disks with 400 Mb of data and takes approximately one 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.

A. Effectivity/Compatibility

This Service Bulletin is applicable to Terrain Awareness Warning System (TAWS) Class A and B systems P/N 3010-0X-00 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.

B. Description

TAWS Terrain Database 0903 incorporates the following enhancements since Terrain Database 0805:

1. Updated the accuracy of terrain data from N10° to N11° latitude and W67° to W69° longitude to reduce nuisance alerts at the following airports in Venezuela: Arturo Michelena International Airport (SVVA), El Libertado AB (SVAL), Mariscal Sucre AB (SVBS), Gen. Bartolome Salom Airport (SVPC), Sub Teniente Nestor Arias Airport (SVSP) and Jacinto Lara International Airport (SVBM).

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2. Updated the accuracy of terrain data from N62° to N63° latitude and W114° to W116° longitude to reduce nuisance alerts at Yellowknife Airport (CYZF) in Canada.
3. Updated the accuracy of terrain data from N58° to N59° latitude and E6° to E10° longitude to reduce nuisance alerts at the following airports in Norway: Kjevic Airport (ENCN) and Lista Airport (ENLI).
4. Updated the accuracy of terrain data from S31° to S33° latitude and E115° to E117° longitude at the following airports in Australia: Perth International Airport (YPPH), Rottneest Island Airport (YRTI), Murray Field (YMUL), Gingin Airport (YGIG), Jandakot Airport (YPJT) and Pearce (Military) Airport (YPEA).
5. Updated the accuracy of terrain data from N65° to N66° latitude and E14° to E16 longitude to reduce nuisance alerts at Hermavan Tarnaby Airport (ESUT) in Sweden.
6. Updated the accuracy of terrain data from S22° to S24° latitude and E117° to E119° longitude to reduce nuisance alerts at the following airports in Australia: Paraburdoo Airport (YPBO) and Coondewanna Airport (YCWA).
7. Updated the accuracy of terrain data from N46° to N47° latitude and E11° to E12° longitude to reduce nuisance alerts the following airports in Italy: Bolzano Airport (LIPB) and Mattarello Airport (LIDT).
8. Created self-extracting Terrain Database for loading database using a USB memory stick with an SSDTU.

C. Compliance

Installation of Terrain Database 0903 is optional. Consideration should also be given as to how long ago the database was 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.

Database Cycle Number	Service Bulletin Number
0209	3055
0309	3106
0405	3119
0412	3172
0508	3193
0702	3260
0805	3293

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D. Approval

The Universal Avionics Systems TAWS Terrain Database is developed to guidelines for Data Process Assurance Level 3 as set forth in RTCA DO-200A, *Standards for Processing Aeronautical Data*.

E. Weight and Balance

No change

F. 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 0903 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
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