

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA02347LA

This Certificate issued to Universal Avionics Systems Corporation
3260 East Universal Way
Tucson, Arizona 85756-5021

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part *23 of the Federal Aviation Regulations.* (*Certification basis is set forth in Type Certificate Data Sheet)

Original Product Type Certificate Number : * See Attached FAA Approved Model List (AML)
Make: No SA02347LA for list of approved aircraft
Model: Models and applicable airworthiness regulations

Description of Type Design Change: Installation of Universal Avionics Solid State Data Transfer Unit (SSDTU), P/N 1408-(), operating software SCN 10.X, in accordance with FAA Approved UASC Master Drawing List, Document No. MDL-2010-1001, Revision "03", dated 28 January 2011, or later FAA approved revision.

The Instructions for Continued Airworthiness (ICA) is called out in the above referenced Master Drawing Lists (MDL).

Limitations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.

Limitations and Conditions continued on Page 3

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator

Date of application: May 04, 2010

Date reissued:

Date of issuance: March 02, 2011

Date amended :



By direction of the Administrator

(Signature)

Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this supplemental type certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(Number and street)

(City, State, and Zip code)

from *(Name of grantor)* *(Print or type)* _____

(Address of grantor) _____

(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

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Limitations and Conditions (Continued)

This AML STC requires that one of the following Universal Avionics Data Transfer Units (DTU or DTU-100), and all of its interfaces, be previously installed and approved by Type Certificate (TC), Supplemental Type Certificate (STC), or FAA Field Approval in the subject aircraft. This STC will remove one of the DTUs listed below and replace it with a Universal Avionics Solid State Data Transfer Unit (SSDTU) P/N 1408-(). The SSDTU must be installed in the same location vacated by the removed DTU, using existing electrical power, ground, and interface wiring.

<u>Description</u>	<u>Part Number</u>	<u>Software</u>
Data Transfer Unit (DTU)	1403-()	Any
Data Transfer Unit (DTU)	1405-()	Any
Data Transfer Unit (DTU-100)	1406-()	Any

This STC requires that existing DTU is interfaced with one or more compatible Universal Avionics UNS-1() Flight Management Systems (FMS) on each airplane eligible for this proposed modification. The equipment must be properly interfaced to meet the intended function for the system, as certified under this AML approval.

The Universal Avionics SSDTU is compatible with only Universal Avionics products as defined in the Universal Avionics Installation Manuals and Installation Instructions listed on the MDL. Interface to devices from other manufactures, including commercial off-the-shelf (COTS) devices, is not supported by the SSDTU or by this STC.

Certification Basis

Based on 14 CFR §§ 21.115 and 21.101, and FAA order 8110.48, the type certification basis for the aircraft models listed in the attached Approved Model List (AML) for the Installation of Solid State Data Transfer Unit (SSDTU), P/N 1408-(), operating software SCN 10.X, was determined to be:

Regulations at the latest amendment 23-0 through 23-49

23.1301; 23.1309(a),(b),(e); 23.1351(a); 23.1431(a), (b); 23.1529

Regulations at an intermediate amendment

None

Regulation at the amendment level in TCDS'

None

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

