



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Project Number SA09778SC-T RLR

Number ST11121SC

This certificate issued to: Delta G Design
716 Lake Air Drive, Suite G
Waco, TX 76710

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: A16WE
Make: The Boeing Company
Models: 737-300, -400, -500, -600, -700, -700C, -800, -900, -900ER

Description of Type Design Change:

Structural modification necessary for the installation of a EMS AMT-3800 SATCOM Antenna on a Boeing 737-900ER Series aircraft in accordance with Master Data List DGD-E380-MD-01, Rev A, dated August 22, 2012 or later, FAA-approved revision. Maintenance procedures to be conducted in accordance with Instructions for Continued Airworthiness Document No. DGD-E380-IC-01, Rev A, dated September 25, 2012 or later, FAA-approved revision (see continuation sheet 3 of 3).

Limitations and Conditions:

The installer must determine whether this design change is compatible with previously approved modifications. 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 (see continuation sheet 3 of 3).

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

Date of application: April 12, 2011
Date of issuance: December 10, 2012

Date reissued:
Date amended: February 7, 2014

By direction of the Administrator

Signature S. Frances Cox
Manager, Special Certification Office,
Title Southwest Region

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

**SUPPLEMENTAL TYPE CERTIFICATE, FAA FORM 8110-2  
(CONTINUED)**

**INSTRUCTIONS:** The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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.

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*TRANSFER ENDORSEMENT*

*Transfer the ownership of Supplemental Type Certificate Number:*

**To** (*Name of transferee*) \_\_\_\_\_

(*Address of transferee*)

(*Number and street*) \_\_\_\_\_

(*City, State, and ZIP Code*) \_\_\_\_\_

**From** (*Name of grantor*) \_\_\_\_\_

(*Address of grantor*)

(*Number and street*) \_\_\_\_\_

(*City, State, and ZIP Code*) \_\_\_\_\_

**Extent of Authority** (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Date of Transfer:* \_\_\_\_\_

*Signature of grantor:* \_\_\_\_\_



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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST11121SC

Date of Issuance: February 27, 2013

Date of Amendment: February 7, 2014

## Description of Type Design Change (Continued):

This amended STC covers the structural modification necessary for the installation of an EMS AMT-3800 SATCOM Antenna on additional model series (listed on page 1 of this certificate) of Boeing 737 aircraft and in additional locations on such models in accordance with Master Data List DGD-E38001-MD-01, Revision IR, dated January 20, 2014 or later, FAA-approved revision. Maintenance procedures to be conducted in accordance with Instructions for Continued Airworthiness Document No. DGD-E38001-IC-01, Rev A, dated January 18, 2014 or later, FAA-approved revision.

## Limitations and Conditions (Continued):

Note: The FAA has reviewed the applicant's assessment showing that this modification does not impact the existing electrical wiring interconnection system instructions for continued airworthiness (EWIS ICA) and found that no additional EWIS ICA tasks are required.

**Certification Basis:** Based on 14 CFR § 21.115 and 21.101(b)(1) and FAA Order 8110.48, the certification basis for the listed series of the Boeing 737 models modified by the installation of a Honeywell AMT 3800 SATCOM Antenna is as follows:

- a. The type certification basis for the listed series of Boeing 737 airplanes is shown on TCDS A16WE for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, April 12, 2011, is based upon part 25 as amended by Amendment 25-129.

Based on 14 CFR § 21.115 and 21.101(b)(1), and FAA Order 8110.48, the certification basis for this modification was determined to be:

*Regulations at the latest amendment 25-0 through 25-129*

14 CFR § 25.23, 25.251(a)(b), 25.301(a)(b), 25.303, 25.305(a)(b)(e), 25.307(a), 25.321(b)(c)(d), 25.333, 25.341(a), 25.351, 25.561(c), 25.581(b)(c), 25.601, 25.603, 25.605(a), 25.607, 25.609, 25.625(a), 25.1401(b), 25.1519, 25.1529

*Regulations at an intermediate amendment*

14 CFR § 25.901(c) Amendment 25-126

*Regulations at the amendment level in TCDS A16WE*

14 CFR § 25.365(a)(b)(d) Amendment 25-0

14 CFR § 25.611 Amendment 25-23

14 CFR § 25.841(a) Amendment 25-38

14 CFR § 25.613(a)(b), 25.1419(a) Amendment 25-72

14 CFR § 25.571(a)(b)(e) Amendment 25-86

14 CFR Part 26 regulations

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this amended STC must demonstrate compliance with the applicable sections. As of the issuance date of this amended STC, compliance has been found for the following regulations: 14 CFR § 26.11(c) and 26.47 (Amendment Nos. 26-0 through 26-1).

-END-

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