



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST04430AT

**This certificate issued to:** Southeast Aerospace Incorporated  
1399 General Aviation Drive  
Melbourne, FL 32935

*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:* Boeing  
*Model:* 737-600/-700/-800/-900 series

**Description of Type Design Change:** Installation of Cobham Aviator 300D Inmarsat Satellite Communication System to provide means for voice communication using the Plain Old Telephone Service (POTS), and provides backup for the VHF-3 radio as the secondary media for ACARS. The Inmarsat Swift Broadband services including data, voice and fax communication for direct satellite communication in the Inmarsat Broadband Global Area Network (BGAN), using the Inmarsat 4th generation satellites. The Aviator 300D system is a single carrier system intended for crew use only. Installation will be in accordance with Southeast Aerospace Master Drawing List 15008-000-001, Revision C, dated June 11, 2018 or later FAA approved revisions.

**Limitations and Conditions:** "A certified aircraft installation of Cobham Aviator IGA-5001 electronically-steered, phased-array intermediate gain antenna, meeting the Minimum Operational Performance Standards for the Geosynchronous Orbit Aeronautical Mobile Satellite Service, is a prerequisite to complete this system integration and function.

This SATCOM system is not certified for Air Traffic Service (ATS) communication or navigation."...  
(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:* January 7, 2016      *Date Reissued:*

*Date of Issuance:* June 28, 2018      *Date Amended:*

*By Direction of the Administrator*

*Signature* \_\_\_\_\_  
*Title* Christina M. Underwood,  
Manager, Atlanta ACO Branch

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).



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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.

*Transfer Endorsement*

*Transfer the ownership of Supplemental Type Certificate Number: ST04430AT*

**To** (Name and address of transferee)

**From** (Name and address of grantor)

Extent of Authority (if licensing agreement):

*Date of transfer:*

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

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Supplemental Type Certificate

(Continuation Sheet)

Number: ST04430AT

Limitations and Conditions (Continued): "FAA approved Airplane Flight Manual Supplement, Southeast Aerospace Inc. 15008-000-020, Revision (-), dated June 28, 2018, or later FAA approved revisions, is a required part of this STC.

For maintenance and inspections, apply Southeast Aerospace Inc Instructions for Continued Airworthiness 15008-000-030, Revision A, dated April 19, 2018, or later FAA accepted revisions.

This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications, will produce no adverse effect upon the airworthiness of that airplane. 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."

Certification Basis: Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification is as follows:

- a. The type certification basis for Boeing 737 series airplanes is shown on TCDS A16WE for parts not changed or affected by the change.
b. The certification basis for parts changed or affected by the change since the reference date of application, April 7, 2016, is based upon 14 CFR Part 25 as amended by Amendment 25-91. Based on Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-91

Table listing various CFR sections and amendments such as §§25.21 (a)(1), Amdt. 25-72; §§25.609 (a), Orig.; §§25.1309 (b)(d)(g), Amdt. 25-41; §§25.301 (a)(b)(c), Amdt. 25-23; §§25.613 (a)(b), Amdt. 25-72; §§25.1322 (c)(d), Amdt. 25-38; §§25.303, Amdt. 25-23; §§25.619 (a)(b)(c), Amdt. 25-23; §§25.1351 (a)(1), Amdt. 25-72; §§25.305 (a)(b), Amdt. 25-86; §§25.625 (a)(b), Amdt. 25-72; §§25.1353 (a)(b), Amdt. 25-42; §§25.307 (a), Amdt. 25-72; §§25.773 (a)(2), Amdt. 25-72; §§25.1357 (a)(c), Orig.; §§25.561 (a)(b), Amdt. 25-91; §§25.777 (a), Amdt. 25-46; §§25.1431 (a)(c), Orig; §§25.581 (a), Amdt. 25-23; §§25.789 (a), Amdt. 25-46; §§25.1529, Amdt. 25-54; §§25.601, Orig; §§25.853 (a), Amdt. 25-83; §§25.1555 (a), Orig; §§25.603 (a)(b)(c), Amdt. 25-46; §§25.869 (a)(4), Amdt. 25-72; §§25.1581 (a)(2), Amdt. 25-72; §§25.605 (a), Amdt. 25-46; §§25.1301 (a)(b)(c)(d), Orig; §§25.1583 (h), Amdt. 25-72.

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 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections; as of the issuance date of this STC, compliance has been found for the following regulations: 14 CFR §§ 26.11 (Amdt. 26-0).

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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).