



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST03861AT

This certificate issued to: Aircraft Radio & Avionics, LLC
5415 NW 36th Street
Miami Springs, FL 33166

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: 737-200, -300, -400 Series

Description of Type Design Change: Installation of Dual Collins DME-42 interrogator sensors (transceiver-receiver), Dual Antennas and 28 VDC circuit breakers. The scanning DME system will interface via the CSDB data bus with Universal Avionics UNS-1F or UNS-1Fw FMS system to provide distance indication. This installation will be in accordance with ARC Avionics Master Data List 750-082608, Revision-“B”, dated June 25, 2010 or later FAA approved revisions.

Limitations and Conditions: "This installation is limited to aircraft with Universal Avionics UNS-1F or UNS-1Fw FMS systems. FAA Approved Flight Manual Supplement for Boeing 737-200/-300/-400 series Aircraft, ARC Avionics document 730-082608, Rev-I/R, dated July 19, 2010, or later FAA approved revisions, is part of this STC. Apply ARC Avionics' Instructions for Continued Airworthiness 740-082608, Rev-D, dated June 4, 2010, or later FAA approved revisions, for maintenance and inspections. 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."

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: September 18, 2009

Date Reissued: May 23, 2017, July 27, 2017

Date of Issuance: July 19, 2010

Date Amended:

By Direction of the Administrator

Signature

Title (for) Christina M. Underwood, Manager
Atlanta Aircraft Certification Office

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).



United States of America
Department of Transportation
Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)
ST03861AT

Date of Issuance: July 19, 2010
Date Reissued: May 23, 2017, July 27, 2017

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 parts changed or affected by the change since the reference date of application, October 13, 2008, is based upon the following Title 14 Part 25 Code of Federal Regulations and amendments:

§25.301(a)(b)(c), Amdt. 25-23	§25.303, Amdt. 25-303	§25.305(a)(b), Amdt. 23-86
§25.307(a), Amdt. 25-72	§25.365(a)(b)(c)(d)(e), Amdt. 25-87)	§25.561(a)(b)(c)(d) Amdt. 25-91
§25.601, Orig.	§25.603 (a), Amdt. 25-46	§25.605 (a)(b), Amdt. 25-46
§25.607 (a)(b)(c), Amdt. 25-23	§25.609 (a), Orig.	§25.611, Amdt. 25-123
§25.613(a)(b)(c)(d)(e), Amdt. 25-112	§25.1301 (a)(b)(c)(d), Orig.	§25.1303 (a)(b)(c), Amdt. 25-90
§25.1307, Orig.	§25.1309 (a)(b)(c)(d)(e), Amdt. 25-41	§25.1316 (a)(b)(c), Amdt. 25-80
§25.1321 (a)(b)(c)(d), Amdt. 23-41	§25.1322 (a)(b)(c)(d), Amdt. 25-38	§25.1331 (a)(b), Amdt. 25-41
§25.1351 (a), Amdt. 25-72	§25.1353 (a)(b)(d), Amdt. 25-123	§25.1357(a)(b)(c)(d)(e), Orig.
§25.1381 (a)(b), Amdt. 25-72	§25.1431 (a)(b)(c)(d), Amdt. 25-113	§25.1501 (a)(b), Amdt. 25-42
§25.1519, Orig.	§25.1529, Amdt. 25-54	§25.1541, Orig.
§25.1543 (a)(b), Amdt. 25-72	§25.1585 (a)(b), Amdt. 25-105	

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), 26.47 (Amdt 26-1).

-----END-----

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).