



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST04215AT

This certificate issued to: Archeion Holdings, L.L.C.  
9941 West Jessamine Street  
Miami, FL 33157

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: 737-300/-400/-500/-600/-700/-800/-900/-8/-9 series

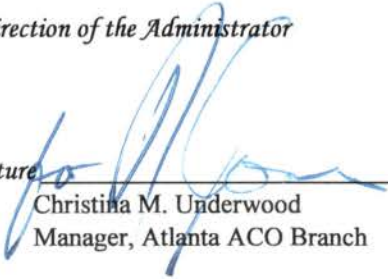
**Description of Type Design Change:** Installation of Avionics satLINK MAX with optional Personality Module (avPM) in the Cabin Compartment overhead, and optional avRDC MAX QAR in the EE Bay in accordance with Master Data List 142335-MDL, Revision N, dated September 19, 2018 or later FAA approved revisions, to provide 2 Iridium SATCOM ATS Voice channels, 1 Iridium SATCOM ATS Datalink FANS 1/A+ Data channel for Flight Deck use (CPDLC at RCP240 & ADS-C at RSP180), & 1 optional AOC Voice channel for cabin crew use.  
Existing aircraft systems optional interface/integration include the Flight Deck Audio System (i.e. Pilot Crew Headsets), MCDUs [or IDUs], ACARS CMU & CMU Printer, FDR (Key Event recording), in addition to other Archeion STC installations.  
In Configuration 1, the satLINK MAX unit is installed with avRDC MAX QAR unit, & the aircraft systems are interfaced with the avRDC MAX QAR unit.  
In Configuration 2, the satLINK MAX unit is installed as a standalone and provides independent aircraft systems interface.

**Limitations and Conditions:** "FAA approved Airplane Flight Manual Supplement, Archeion Holdings LLC 142335-AFMS, Revision B, dated October 24,2018, or later FAA approved revisions, is a required part of this STC." ...  
(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 30, 2015      Date Reissued:  
Date of Issuance: June 15, 2015      Date Amended: October 30, 2017; April 26, 2018, October 24, 2018

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: ST04215AT*

**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: ST04215AT

Date of Issuance: June 15, 2015

Date Amended: October 30, 2017; April 26, 2018, October 24, 2018

**Limitations and Conditions (Continued):** "For maintenance and inspections, apply Archeion Holdings LLC Instructions for Continued Airworthiness 142335-ICA, Revision E, dated May 28, 2018 (applicable to the Installation of a satLINK MAX System) and 170860-ICA, Revision A, dated May 22, 2018 (applicable to skin Repair after removal of satLINK MAX Iridium Antenna), 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, including integration to other Archeion STC's, 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 the Boeing B737 Series 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, January 30, 2015, is based upon 14 CFR Part 25 as amended by Amendment 25-140. Based on Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-140**

§§25.21 (a)(1), Amdt. 25-140	§§25.609, Orig.	§§25.1351 (a)(1), Amdt. 25-72
§§25.301, Amdt. 25-23	§§25.611 (a), Amdt. 25-123	§§25.1353 (a)(c), Amdt. 25-123
§§25.303, Amdt. 25-23	§§25.613, Amdt. 25-112	§§25.1357 (a)(c), Amdt. 25-123
§§25.305 (a)(b), Amdt. 25-86	§§25.789 (a), Amdt. 25-46	§§25.1360 (a), Amdt. 25-123
§§25.307 (a), Amdt. 25-139	§§25.853 (a), Amdt. 25-116	§§25.1363 (a)(b), Orig.
§§25.561 (c)(d), Amdt. 25-91	§§25.869 (a)(1,3), Amdt. 25-123	§§25.1381 (a)(b), Amdt. 25-72
§§25.571 (a)(b), Amdt. 25-132	§§25.869 (a)(4), Amdt. 25-72	§§25.1431 (a)(c)(d), Amdt. 25-113
§§25.581, Amdt. 25-23	§§25.899 (a)(1,3)(b), Amdt. 25-123	§§25.1529, Amdt. 25-54
§§25.601, Orig.	§§25.981 (a)(3)(d), Amdt. 25-125	§§25.1541, Orig.
§§25.603, Amdt. 25-46	§§25.1301 (a)(1,2,3,4), Amdt. 25-123	§§25.1581, Amdt. 25-72.
§§25.605 (a), Amdt. 25-46	§§25.1309 (a)(b)(c)(d)(e)(f), Amdt. 25-123	
§§25.607, Amdt. 25-23	§§25.1322 (e)(1), Amdt. 25-131	

**14 CFR Part 36 regulations:** Based on 14 CFR §§ 21.93(b)(1) (Amd 21-97), No Acoustical Change has been found for the 14 CFR Part 36 noise levels regulations.

**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).

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