

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

*Number* ST03900AT

*This certificate issued to* Archeion Holdings LLC  
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 :* A20WE  
*Make :* Boeing  
*Model :* 747-100/-200/-300/-400/-SP/-SR Series

*Description of Type Design Change:* Installation of Avionica, Inc. satLINK system to provide voice and data communications over the Iridium satellite network (SATCOM), in accordance with Archeion Holdings, LLC. Master Data List 100430-001, Rev-B, dated December 13, 2010 or later FAA approved revisions. In Configuration 1, the satLINK transceiver unit is mounted to the aircraft stringers at STA 490 near the passive Iridium antenna which is installed between STA 480 and STA 520, unless there is a previously installed antenna per STC ST03700AT. In Configuration 2, the satLINK transceiver unit is mounted on the E42 Rack at STA 1650 and it utilizes a previously installed Iridium antenna located at STA 1620 per EASA STC EASA.A.S.03366.

*Limitations and Conditions:* "FAA approved Airplane Flight Manual Supplement, Archeion Holdings 100430-503 Rev-IR, dated December 14, 2010, or later FAA approved revisions, is part of this STC. For maintenance and inspections, apply Archeion Holdings Instructions for Continued Airworthiness 100430-504, Revision B, dated December 12, 2010, 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 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."

(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, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* May 18, 2010

*Date reissued :*

*Date of issuance:* December 14, 2010

*Date amended :*



*By direction of the Administrator*

*[Signature]*  
(Signature)  
Melvin D. Taylor, Manager  
Atlanta Aircraft Certification Office

(Title)

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.

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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) (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)*: \_\_\_\_\_

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

*Number* ST03900AT

Date of Issuance: December 14, 2010

*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 B747 Series is as follows:

- a. The type certification basis for Boeing Model 747 series airplanes is shown on TCDS A20WE 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, May 18, 2010, is based upon part 25 as amended by Amendment 25-129. Based on Order 8110.48, the certification basis for this modification was determined to be:

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

§§ 25.29	§§ 25.301	§§ 25.303	§§ 25.305	§§ 25.307	§§ 25.561	§§ 25.571
§§ 25.581	§§ 25.601	§§ 25.603	§§ 25.605	§§ 25.607	§§ 25.609	§§ 25.611
§§ 25.613	§§ 25.981	§§ 25.1301	§§ 25.1309	§§ 25.1351	§§ 25.1353	§§ 25.1357
§§ 25.1360	§§ 25.1363	§§ 25.1431	§§ 25.1529	§§ 25.1541	§§ 25.1581	§§ Appdx H

**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).