

SUPPLEMENTAL TYPE CERTIFICATE

10064263

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

ARCHEION HOLDINGS, L.L.C.

**9941 WEST JESSAMINE STREET
MIAMI FL 33157
USA**

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Type Certificate Number: SEE FAA APPROVED MODEL LIST
(AML) 120890-AML, Rev. C

Type Certificate Holder: SEE FAA AML Rev. C

Type: SEE FAA AML Rev. C

Model: SEE FAA AML Rev. C

Original STC Number: FAA STC ST03967AT

Description of Design Change:

Installation of an Avionics, Inc. avWiFi wireless router system

The system provides 3 modes of operation installations: Secure device to device Wi-Fi Wireless connectivity in the aircraft cabin during all phases of flight (CWLU Mode), or WiFi connectivity to the Gate Terminal WiFi Router on the ground via an external antenna (TWLU Mode), or both (TWLU and CWLU Mode).

Cabin WiFi CWLU installation includes a flight deck Wi-Fi On/Off guarded toggle switch.

The avWiFi unit is installed in one of these location configurations: On the avRDC or avRDC MAX Quick Access Recorder (QAR), or near the MK-II or MK-III miniQAR, or in the cabin, or in the Avionics Bay.

EASA Certification Basis:

The Certification Basis (CB) for the original product remains applicable to this certificate/ approval.

See Continuation Sheet(s)

For the European Aviation Safety Agency

Cologne, Germany, 09 January 2018



Carla IORIO

**Supplemental Type Certificates & Special Projects
Section Manager**



The requirements for environmental protection and the associated certified noise and/or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

Associated Technical Documentation:

1. Master Data List 120890-MDL, Revision Q, dated 3 October 2017 or later FAA approved revisions.
2. FAA approved Airplane Flight Manual Supplement for Archeion Holdings LLC, 120890-AFMS-1, -3 and -4, Revision A, dated 20 October 2016, or 120890-AFMS-5, Revision IR, dated 22 June 2017, or 120890-AFMS-2, Revision B, dated 31 October 2017, or later FAA approved revisions.
3. Archeion Holdings Instructions for Continued Airworthiness 152930-ICA-1 Revision C, dated 3 February 2017, or 152930-ICA-2 Revision E, dated 21 August 2017, or 152930-ICA-3, -4 Revision D, dated 23 May 2017, or 152930-ICA-5 Revision A, dated 4 June 2017, or later FAA accepted revisions.

Limitations/Conditions:

The avWiFi system must be deactivated via the flight deck WiFi switch during Autoland landing on the B777.

Refer to limitations in Airworthiness Directive AD 2014-20-06 and Policy Statement PS-ANM-25-13; this WiFi installation is not compatible with B777 and B737NG aircraft equipped with Honeywell Phase III CDS displays, since WiFi can cause interference with these displays.

Prior to installation of this design change it must be determined that the interrelationship between this design change and any other previously installed design change and/ or repair will introduce no adverse effect upon the airworthiness of the product.

- End -



Archeion Holdings LLC.

9941 West Jessamine St.
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Phone: (786) 544-1100

120890-AML

Revision: C

FAA APPROVED MODEL LIST (AML) FOR STC ST03967AT
Installation of an Avionics, Inc. avWiFi (Wireless Router)

REVISION HISTORY

Revision	Date	Description
IR	Sept 18, 2015	Initial Release
A	Oct 20, 2016	Revised Certification Basis for Alteration amendment level. Clarified AML Amendment Revision for CWLU & TWLU.
B	June 22, 2017	Added the B747 aircraft models listed on line item 5. Added a column for the Airplane Flight Manual Supplement (AFMS) and Instructions for Continued Airworthiness (ICA).
C	October 31, 2017	Added Boeing 737-8 variant on line item 2.

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE DATA SHEET	CERTIFICATION BASIS FOR ALTERATION	AML AMENDMENT REVISION	AFMS & ICA
1	Boeing Company	B777-200/-300	T00001SE	14 CFR Part 25, Amdt. 25-0 through 25-141	IR (CWLU) A (CWLU & TWLU)	120890-AFMS-1 152930-ICA-1
2	Boeing Company	B737-300/-400/-700/-800/-8	A16WE	14 CFR Part 25, Amdt. 25-0 through 25-141	IR (CWLU) A (CWLU & TWLU) C (CWLU & TWLU)	120890-AFMS-2 152930-ICA-2
3	Boeing Company	B767-200/-300/-300F/-400ER	A1NM	14 CFR Part 25, Amdt. 25-0 through 25-141	IR (CWLU) A (CWLU & TWLU)	120890-AFMS-3 152930-ICA-3
4	Boeing Company	DC-10, MD-10, MD-11	A22WE	14 CFR Part 25, Amdt. 25-0 through 25-141	IR (CWLU) A (CWLU & TWLU)	120890-AFMS-4 152930-ICA-4

FAA APPROVED:

[Signature] Sir RJ

DATE: October 31, 2017



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ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	ORIGINAL TYPE CERTIFICATE DATA SHEET	CERTIFICATION BASIS FOR ALTERATION	AML AMENDMENT REVISION	AFMS & ICA
5	Boeing Company	B747-100/-200/-300/-400/SP/-8/-8F/SR	A20WE	14 CFR Part 25, Amdt. 25-0 through 25-141	B (CWLU & TWLU)	120890-AFMS-5 152930-ICA-5

DATE: October 31, 2017

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