



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST02472AT

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: (AML) Make: Approved Model List 21149-AML, Revision V, dated August 21, 2019, or later FAA approved revisions

Description of Type Design Change: Installation of an Avionica, Inc. mini-Quick Access Recorder (miniQAR) model MKI, MKII, or MKIII in accordance with Archeion Holdings, LLC Master Drawing List 21149-MDL, Revision Z, dated August 13, 2018 or later FAA approved revisions, on the above Approved Model List, **or**,

Installation of Avionica, Inc. Quick Access Recorder (QAR) model avRDC, or avRDC MAX in accordance with Archeion Holdings, LLC Master Data List 130070-MDL, Revision Y, dated July 10, 2019 or later FAA approved revisions, on aircraft listed on the above Approved Model List.

Limitations and Conditions: “For maintenance and inspections of miniQAR models MKI, MKII, or MKIII, apply Archeion Holdings Instructions for Continued Airworthiness 21149-CAW, Revision E, dated January 09, 2014, or later FAA accepted revisions...”

(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: September 24, 2001

Date Reissued: February 20, 2008

Date of Issuance: March 08, 2002

Date Amended: April 30, 2003; January 12, 2010; August 30, 2010; September 21, 2010; July 16, 2013, November 30, 2016, October 5 2017, August 27, 2019

By Direction of the Administrator

Signature

Title

(for) 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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Supplemental Type Certificate

(Continuation Sheet)

Number: ST02472AT

Date of Issuance: March 08, 2002
Date Reissued: February 20, 2008
Date Amended: August 27, 2019

Limitations and Conditions (Continued): "... For maintenance and inspections of QAR models avRDC, or avRDC MAX standard installations, apply Archeion Holdings universal Instructions for Continued Airworthiness 130070-ICA, Revision D, dated November 17, 2016, or later FAA accepted revisions.

For maintenance and inspections of QAR models avRDC, or avRDC MAX installed in accordance with section 5.0 of Master Data List 130070-MDL, apply Archeion Holdings Instructions for Continued Airworthiness 170790-ICA, Revision C, dated August 15, 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, 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 parts changed or affected by the change since the reference date of STC amendment application, September 9, 2016, is based upon 14 CFR Part 25 as amended by Amendment 25-142. Based on Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-142

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

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