



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: *ST04126AT*

This certificate issued to: Avionics Support Group  
13155 SW 132 Avenue  
Miami, FL 33186

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: A28NM      Make: Airbus  
Model: A319/A320/A321

Description of Type Design Change:

Installation of Dual Astronautics Class III Electronic Flight Bag System, with Dongles for Wireless and Cellular Connectivity, on Airbus A319/A320/A321 series aircraft in accordance with Master Drawing List 29106-MDL, Revision M, dated May 31, 2016 or later FAA approved drawing revisions.

Limitations and Conditions:

The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

FAA Approved Airplane Flight Manual Supplement for the Astronautics Electronic Flight Bag System, 29106-FMS, revision IR, dated Aug 13, 2013, or later FAA approved revision is a required part of this STC.

*(Limitations and Conditions continued on page 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: April 1, 2010

Date Reissued:

Date of Issuance: August 13, 2013

Date Amended: July 6, 2016

By Direction of the Administrator

Signature

*Christina M. Underwood*  
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).



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*Supplemental Type Certificate*

*(Continuation Sheet)*  
 Number: *ST04126AT*

Limitations and Conditions Continued:

Instructions for Continued Airworthiness (ICA), Avionics Support Group Document 29106-ICA , Rev. G dated June 17, 2015, or later approved revision is a required part of this STC. This certificate includes the following Type C applications: Enroute Moving Map with own ship position, Airport Moving Map, Terminal/Approach chart. Any additional Type C applications must receive FAA design, production, and installation approval.

This installation is limited to aircraft configurations that DO NOT utilize the Electronics Unit's (EU) 429 transmit functionality; no write capability, wired or wireless, to aircraft systems (Aircraft Control Domain, Airline Information Domain) is allowed. If the aircraft configuration requires the EU's ability to write to aircraft systems, additional certification and FAA approval is required prior to further use of the Cellular and Wi-Fi USB Dongles. Further FAA approval would require a security risk assessment and may require the invocation of the Security special conditions and additional issue papers.

Certification Basis:

Regulations at the latest amendment 25-0 through 25-124

§ 25.29	§ 25.301	§ 25.303	§ 25.305(a)(b)(1)	§ 25.307(a)	§ 25.561
§ 25.601	§ 25.603	§ 25.605(a)	§ 25.609	§ 25.611	§ 25.613
§ 25.771(a)	§ 25.773(a)	§ 25.777(a)(c)	§ 25.789(a)	§ 25.853(a)	§ 25.1301(a)
§ 25.1309	§ 25.1322	§ 25.1351(a)	§ 25.1353(a)	§ 25.1357(a)	§ 25.1360(a)
§ 25.1431(a)(c)	§ 25.1501	§ 25.1529	§ 25.1541(a)	§ 25.1581	Appendix H

Regulations at an intermediate amendment  
 none

Regulations at the amendment level in TCDS A28NM  
 none

14 CFR Part 26 Regulations

Based on 14 CFR 21.101(g), applicable provision of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 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: §§ 26.11 and 26.47(a)(b)(c).

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