



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: *ST04150AT*

This certificate issued to: Avionics Support Group  
13155 SW 132nd 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 an Aviator 300(D) Communications System and Wireless Access Point on Airbus 319/320/321 Series Aircraft in accordance with Master Drawing List 212096-MDL, Revision E, dated March 26, 2014 or later FAA approved drawing revisions.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determine by the installer that the 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.

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: August 17, 2012

Date Reissued:

Date of Issuance: April 2, 2014

Date Amended: September 18, 2015

By Direction of the Administrator

Signature

  
Melvin P. Taylor  
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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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: ST04150AT*

**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: ST04150AT

Instructions for Continued Airworthiness (ICA), Avionics Support Group Document No. 212096-ICA, Rev. B, dated November 15, 2014, or later FAA accepted revision must be made available to the operator at the time of installation. Airplane Flight Manual Supplement (AFMS), Avionics Support Group Document No. 214174-FMS, dated September 18, 2015 or later FAA approved revision is a required part of this STC.

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 Airbus A319/A320/A321 aircraft is as follows:

- The type certification basis for the Airbus A319/A320/A321 aircraft is shown on TCDS A28NM for parts **not changed or not affected** by the change.
- The certification basis for parts **changed or affected** by the change since the reference date of application, August 17, 2012 is based upon Part 25 as amended by Amendment 25-136. 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 this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-136**

25.29, 25.301, 25.303, 25.305, 25.307(a), 25.561, 25.603, 25.605, 25.609, 25.611(a), 25.613, 25.1301(a), 25.1307(c), 25.1351(a), 25.1353(a), 25.1357(a), 25.1360(a)(b), 25.1431(a)(c), 25.1529, 25.1541(a), 25.1581

**Regulations at an intermediate amendment**

none

**Regulations at the amendment level in TCDS A28NM**

25.1309

**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 regulation: 14 CFR §26.11.

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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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