

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number **ST02539LA**

This Certificate issued to

Aviation Communication and Surveillance Systems (ACSS), LLC
19810 North 7th Avenue
Phoenix, Arizona 85027-4400

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part *25 of the Federal Aviation Regulations.*
(*Certification basis is set forth in Type Certificate Data Sheet and page 3 of this certificate)

Original Product Type Certificate Number: A28NM

Make: Airbus

Model: A321 Series
Model -111, -112, -131, -211, -231, 212, 213, 232

Description of Type Design Change: Upgrade of TCAS, Transponder and Activation of NextGen ADS-B Out in accordance with FAA Approved Index of Master Data Lists, Document No. 8900063, Revision "A", dated July 22, 2015, or later FAA approved revision.

Instructions for Continued Airworthiness (ICA) and FAA-Approved Airplane Flight Manual Supplement (AFMS) are called out in their corresponding FAA-Approved Master Data List (MDL) of the configuration defined in the above referenced "Index of Master Data List".

This modification has been substantiated to be "no acoustical change" in accordance with 14 CFR 21.93(b).

Limitations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate

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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

Date of application: June 13, 2014

Date reissued:

Date of issuance: July 30, 2015

Date amended:



By direction of the Administrator

(Signature)

Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(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)*: _____

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Limitations and Conditions (Continued)

to alter the product, the holder shall give the other person written evidence of that permission.

Applicable "Limitations" are described in the corresponding Master Data List (MDL) of the configuration defined in the "Index of Master Data List".

Certification Basis

Based on 14 CFR §§ 21.115 and 21.101, and FAA order 8110.48, the type certification basis for the Upgrade of TCAS, Transponder and Activation of NextGen ADS-B Out on Airbus A321-100/-200 Series is in accordance with Type Certificate Data Sheet, A28NM, with the following exceptions:

Regulations at the latest amendment 25-0 through 25-116

25.23(b), 25.25(all), 25.301(a)(b), 25.303, 25.305(a)(b), 25.307(a), 25.561(c), 25.571(a)(b), 25.581, 25.601, 25.603, 25.609, 25.613(a)(b), 25.831(c), 25.853(a), 25.869(a)(4), 25.1321(a)(e), 25.1322, 25.1351(a), 25.1353(a), 25.1357(a), 25.1431, 25.1501, 25.1529, 25.1541, 25.1581, 25.1583(h), 25.1585(a)(b)

Regulations at an intermediate amendment

None

Regulation at the amendment level in TCDS A28NM

25.1301, 25.1309

Based on 14 CFR §§ 21.101(g), applicable provision of 14 CFR part 26 is included in the certification basis. For any future 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 14 CFR §§ 26.11, (Amdt. No. 26-0).

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

