



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST04219AT

This certificate issued to: SCR Engineering, LLC
9115 Lake Mabel Dr.
Orlando, FL 32836

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: A46NM Make: Airbus
Model: A330-200/-300 series

Description of Type Design Change: Version 7.1 Software upgrade of the Aviation Communication & Surveillance Systems (ACSS) TCAS II, Model TCAS 2000, P/N 7517900-10020 (Configuration 1) or Model T2CAS, P/N 9000000-11414 (Configuration 2). This upgrade allows for the installation of Configuration 1 TCAS II. The installation also includes a Mode S ATC Transponder System with ADS-B Out, Model XS-950, P/N 7517800- 10400, in accordance with Master Data List A330-150105-010, Revision B, dated July 15, 2015, or later FAA approved revisions.

Limitations and Conditions: "FAA approved Airplane Flight Manual Supplement (AFMS) SCR Engineering LLC document number A330-150105-052, Revision IR, dated August 10, 2015, or later FAA approved revisions, is a required part of this STC. For maintenance and inspections, apply SCR Engineering, LLC Instructions for Continued Airworthiness, document number A330-150105-050, Revision C, dated June 24, 2015, 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: February 11, 2015 Date Reissued: October 5, 2015

Date of Issuance: August 10, 2015 Date Amended:

By Direction of the Administrator

Signature _____
Title Melvin D. 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).



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

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:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number: ST04219AT

Date of Issuance: August 10, 2015
Date Amended:

Limitations and Conditions (Continued): "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 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 application, February 11, 2015, is based upon 14 CFR Part 25 as amended by Amendment 25-132. Based on Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-132

- §§25.23 Amdt. Orig.
§§25.301 Amdt. 25-23
§§25.303 Amdt. 25-23
§§25.305 (a), Amdt. 25-86
§§25.571 (a)(b), Amdt. 25-132
§§25.601 Amdt. Orig.
§§25.603 Amdt. 25-46
§§25.605 Amdt. 25-46
§§25.869 (a)(4), Amdt. 25-72
§§25.1301 (a)(1,2,3,4), Amdt. 25-123
§§25.1309 (a)(b)(c)(d), Amdt. 25-123
§§25.1351 (a)(1), Amdt. 25-72
§§25.1353 (a)(b), Amdt. 25-123
§§25.1431 (a)(c), Amdt. 25-113
§§25.1529 Amdt. 25-54
§§25.1581 Amdt. 25-72

14 CFR Part 36 regulations: Based on 14 CFR § 21.93(b)(1) (Amdt 21-97), No Acoustical Change has been found for the 14 CFR Part 36 noise levels regulations.

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), 26.47 (Amend 26-1).

-----END-----

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).