



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: *ST04209AT*

This certificate issued to: *Aero Design Services, Inc.*
4905 34th Street South, Suite 2000
St. Petersburg, FL 33711

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: A320-200

Description of Type Design Change:

Installation of a passenger interior configuration in accordance with Master Drawing List AA15-2936 Revision C dated January 9, 2016 or later FAA approved drawing revisions.

Limitations and Conditions:

Passenger interior configurations of 180 passengers or more are only applicable to:

- A320-214, -232 and -233 Series airplanes with large wingtip device (Sharklet Modification 160500) and Modification 156723 (Max Pax), which are eligible for a maximum seating capacity of 190 passengers. The compensating features in ELOS Memo No. AT10259IB-T-CS-2 must be maintained.*
- A320-211, -212, -214, -231, -232 and -233 Series airplanes with wingtip fence (WTF) and Modification 157968 (Max Pax), which are eligible for a maximum seating capacity of 180 passengers. The compensating features in ELOS Memo No. AT10482IB-T-CS-2 must be maintained.*

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.

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 9, 2014

Date Reissued:

Date of Issuance: June 8, 2015

Date Amended: February 22, 2016

By Direction of the Administrator

Signature _____

Title: Christina 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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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: ST04209AT

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: ST04209AT

Instructions for Continued Airworthiness (ICA): Aero Design Services, Inc document # IC-0241-0 I Rev. A dated October 19, 2015 or later FAA accepted revisions must be available at the time of installation.

Certification Basis:

14 CFR § Part 25 Regulations

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 A320-200 series aircraft is as follows:

- a. The type certification basis Airbus A320-200 series aircraft is shown on TCDS A28NM for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, October 2, 2015 is based upon part 25 as amended by Amendment 25-141. 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 25-141

§§ 25.301	§§ 25.609	§§ 25.1415	§§ 25.1449
§§ 25.303	§§ 25.787	§§ 25.1421	§§ 25.1529
§§ 25.562	§§ 25.789	§§ 25.1439	§§ 25.1541
§§ 25.601	§§ 25.815	§§ 25.1441	§§ 25.1561
§§ 25.603	§§ 25.817	§§ 25.1443(c)	
§§ 25.605	§§ 25.853	§§ 25.1445	

Regulations at an intermediate amendment

§§ 25.812 Amdt. 25-58

Regulations at the amendment level in TCDS A28NM

§§ 25.305	§§ 25.625	§§ 25.809	§§ 25.1309(a)
§§ 25.307	§§ 25.785	§§ 25.811	§§ 25.1411
§§ 25.561	§§ 25.791	§§ 25.813	§§ 25.1413
§§ 25.611	§§ 25.801(a)	§§ 25.851	§§ 25.1447(c)(1)
§§ 25.613	§§ 25.807(c)	§§ 25.1301	

Equivalent Safety Findings have been made for the following regulation(s):

§§ 25.807(g) (Amdt 25-114) as documented in FAA Policy Memorandum No. AT10482IB-T-CS-2 and AT10259IB-T-CS-2.

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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, §26.47, §26.49

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