

Supplemental Type Certificate

Number ST04013AT

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 therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product--Type Certificate Number: A20WE
Make: The Boeing Company
Model: B747-400 Series

Description of Type Design Change: Modification of Boeing 747-400 to increase the seating capacity to 12 first class and 510 tourist class passengers and associated hardware in accordance with Master Drawing List AB12-2644 Revision D dated July 8, 2013 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.

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 of the Federal Aviation Administration.

Date of application: November 5, 2012

Date reissued:

Date of issuance: September 12, 2013

Date amended:

By direction of the Administrator



(Signature)

Melvin D. Taylor
Manager, Atlanta Aircraft Certification Office

(Title)

Supplemental Type Certificate

(Continuation Sheet)

Number **ST04013AT**

Instructions for Continued Airworthiness (ICA), Aero Design Services, Inc Document No. IC-0214 Rev. C dated June 18, 2013, or later FAA accepted revisions must be available to the operator at the time of installation.

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 Boeing Model 747-400 series aircrafts is as follows:

- a. The type certification basis for Boeing 747-400 airplanes is shown on TCDS A20WE 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, November 5, 2012 is based upon Part 25 as amended by Amendment 25-129. 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 25-129

§§ 25.301	§§ 25.603	§§ 25.815	§§ 25.1443
§§ 25.303	§§ 25.605	§§ 25.1439	§§ 25.1541
§§ 25.601	§§ 25.789	§§ 25.1441	§§ 25.1561

Regulations at an intermediate amendment

None

Regulations at the amendment level in TCDS A20WE

§§ 25.305	§§ 25.613	§§ 25.807(c)	§§ 25.851	§§ 25.1309	§§ 25.1415
§§ 25.561	§§ 25.785	§§ 25.812	§§ 25.853	§§ 25.1351	§§ 25.1447
§§ 25.611	§§ 25.791	§§ 25.813	§§ 25.1301	§§ 25.1411	§§ 25.1557

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:

§§26.11 §§26.47

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.

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