

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

*Number* ST03018NY

*This certificate issued to* Jet Aviation Holdings, Inc.  
112 Charles A. Lindbergh Drive  
Teterboro, NJ 07608

*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  
*Manufacturer:* The Boeing Company  
*Model:* 747-400

*Description of Type Design Change:*

Installation of an executive interior, in accordance with Jet Aviation Engineering Services, L.P., Master Data List, Document Number CD-3061-MDL-1, Revision P, dated September 1, 2011.

Jet Aviation Engineering Services, L.P., Airplane Flight Manual Supplement No. CD-3061-FMS-1, FAA approved October 19, 2011, is required for this installation.

The following FAA accepted Jet Aviation Engineering Services, L.P. Maintenance Instructions are required for this modification:

- Outfitting Maintenance Manual, Document Number ABO-06, Rev. E, dated August 23, 2011.
- Instructions for Continued Airworthiness, Document Number B7428343-150-01, Rev. L, dated August 8, 2011.
- EWIS Instructions for Continued Airworthiness, Document Number B7426906-150-02, Rev. F, dated August 8, 2011.

(See Continuation Sheet 2 of 2)

*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:* March 02, 2007

*Date reissued:*

*Date of issuance:* October 19, 2011

*Date amended:*



*By direction of the Administrator*

(Signature)

Michele Maurer  
Acting Manager  
New York Aircraft Certification Office

(Title)

United States of America  
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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* **ST03018NY**

Date of Issuance: **October 19, 2011**

*Limitations and Conditions:*

1. The FAA approved Airworthiness Limitations in Chapter 4 of the Outfitting Maintenance Manual, Document Number ABO-06, dated March 9, 2011, is mandatory.
2. The utilization of this aircraft, when configured with this STC, is limited to "private, not for hire or common carriage use".
3. The following STC have been installed in conjunction with the executive interior:
  - a. ST01850NY for the installation of the Tailwind 550/560 Live TV System.
  - b. ST02019LA for the Insulation Blanket installation.
  - c. ST00353SE for the installation of Lightweight Window Plugs.
  - d. ST00638SE for the installation of Upper Deck Lightweight Window Plugs.
  - e. ST02182CH for the installation of elementary or enhanced surveillance Mode S transponders.
  - f. ST0026MC for the installation of provisions for the Self Defense System.Compatibility of this design change with any other previously approved modifications must be determined by the installer.
4. Maximum passenger seating capacity is limited to 72 and only in the seats designated as occupiable during taxi, takeoff and landing. Occupancy of the upper deck compartments is restricted to 1 cabin attendant and zero passengers during taxi, takeoff and landing. Occupancy of the forward lower lobe compartments or the aft lower lobe compartment by any occupants is prohibited during taxi, takeoff and landing.
5. You can not use descriptive data about this design change to duplicate other products. This approval is limited to only the installation made in The Boeing Company 747-400, Serial Number 28343. This STC does not permit manufacturing of parts for multiple installations.
6. Equipment identified in Jet Aviation Engineering Services, document number B7428343-115-02, "COTS Electrical Equipment, Cabin Interior Outfitting", Revision C, dated June 23, 2010 and Aerosolution GmbH document number CBF-00005-904, "COTS Equipment List" (Medical Lift), Revision "A", dated 20-Aug-10 are not eligible for PMA.

**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 the Boeing 747-400 aircraft is as follows:

1. The type certification basis for Boeing 747-400 airplanes is shown on TCDS A20WE for parts **not changed or not affected** by the change.
2. 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 for parts **changed or affected** was determined to be TCDS A20WE except for:
  - a. Compliance with 14 CFR §§ 25.571 at Amendment 25-45, 25.807(d)(7) at Amendment 25-72, 25.810(a) at Amendment 25-72, 25.854 at Amendment 25-74, 25.869(a) and (c) at Amendment 25-72, 25.981(a) and (b) at Amendment 25-102, 25.1316(b) and (c) at Amendment 25-80, 25.1423(a), (b) and (c) at Amendment 25-70, 25.1438 at Amendment 25-41, 25.1581 at Amendment 25-72, 25.1583(h) at Amendment 25-105 and 25.1585 at Amendment 25-105.
  - b. Compliance with 14 CFR §§ 26.11 at Amendment 26-0, 26.47 at Amendment 26-1 and 26.49 at Amendment 26-1 for continued airworthiness and safety improvements for transport category airplanes.
  - c. Equivalent Level of Safety Finding (ELOS) TD6633SE-T-C-1 for 25.561(b)(3)(ii) (Amendment 25-23) on Boeing 747 Series Aircraft permitting the emergency forward load factor of 6.0g for calculating track bending only based on the vertical load component from passenger seats for all models of the 747.
  - d. Exemption No. 9700, dated May 29, 2008, has been granted from §25.813(e), Amendment 25-46.
  - e. Exemption No. 9701, dated May 29, 2008, has been granted from §25.785(d), Amendment 25-51.
  - f. Exemption No. 9786, dated November 20, 2008, has been partially granted from §25.807(d)(7), Amendment 25-72.
  - g. Exemption No. 10133A dated January 13, 2011, has been granted from §25.601, Amendment 25-0.
  - h. Special Condition No. 25-417-SC dated February 03, 2011 for the installation of a Medical Lift.
3. AMOCs for Airworthiness Directives AD 2004-0722 R1, AD 2007-16-08, AD 2007-23-18, AD 2009-10-06, AD 2010-01-01 and AD 2010-26-10 are FAA approved with conditions as specified in FAA letter 120S-10-710 dated September 22, 2011.  
...END...

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