

Supplemental Type Certificate

Number ST03700AT

This certificate issued to Avionics Support Group, Inc.
14291 SW 120 Street Suite 101
Miami, FL 33186

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 : Boeing
Model : B747-400/-400F Series

Description of Type Design Change:

Installation of an International Communications Group ICS-120A/ICS-220A Iridium SATCOM System in B747-400/-400F Series Aircraft in accordance with Avionics Support Group, Inc. Master Data List 28546-MDL, Rev. B, dated 6/28/10, or later FAA approved revision.

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 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. FAA approved Airplane Flight Manual Supplement 28546-AFMS Rev IR dated 5/14/2009 or later FAA approved revision is a required part of this STC. Instructions for Continued Airworthiness (ICA), ASG Document No. 28546-ICA, Rev A, dated October 15, 2010, or later approved revision must be made available to the operator at the time of installation.

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 26, 2008

Date reissued :

Date of issuance : May 14, 2009

Date amended : August 9, 2010, November 5, 2010



By direction of the Administrator

Melvin D Taylor
(Signature)

Melvin D Taylor
Manager, Atlanta Aircraft Certification Office

(Title)

Supplemental Type Certificate

(Continuation Sheet)

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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 B747 Series is as follows:

- a. The type certification basis for Boeing Model B747 series airplanes is shown on TCDS A20WE for parts not changed or affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, December 10, 2007, is based upon part 25 as amended by Amendment 25-123. Based on Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-124

§§ 25.29	§§ 25.301	§§ 25.303	§§ 25.305	§§ 25.307	§§ 25.561	§§ 25.571
§§ 25.581	§§ 25.601	§§ 25.603	§§ 25.605	§§ 25.609	§§ 25.611	§§ 25.613
§§ 25.1301	§§ 25.1309	§§ 25.1316	§§ 25.1351	§§ 25.1353	§§ 25.1357	§§ 25.1431
§§ 25.1529	§§ 25.1541					

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.