

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

Number ST03452AT

This certificate issued to  
EJM Aerospace Services  
5614 John Givens Road  
Crestview, Florida 32536

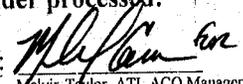
Added Notes at Surrender:

1. Future unsafe conditions existing in the product can result in an airworthiness directive requiring correction of the unsafe condition before further flight. If there is no entity to comply with 14 CFR 21.99(a), Required design changes, the existence of an unsafe condition might result in permanently grounding of the aircraft.
2. Replacement parts might not be available in the future.

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 : 747-400

STC Surrender processed:

Approval by:   
Melvin Taylor, ATL ACO Manager  
Date: 12/9/09

Description of Type Design Change:

Installation of a Panasonic Avionics Corporation System 3000i In-Flight Entertainment System with an Astronics - Advanced Electronics Systems In-Seat Power Supply System on a Boeing 747-400 type aircraft in accordance with Master Drawing List MDL10463, Revision B, dated 12 June 2007, or later FAA Approved Revision.

Limitations and Conditions:

STC #ST002058LA must be accomplished concurrently with installation of this STC. 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 of those other previously approved modifications will produce no adverse affect 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, Document Number 14526020, Revision IR, dated June 20, 2007, or later FAA approved revision is a required part of this STC.

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 24, 2006

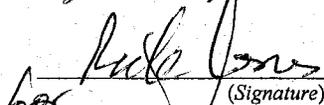
Date reissued :

Date of issuance : June 20, 2007

Date amended :



By direction of the Administrator

  
(Signature)  
Melvin D. Taylor, Manager,  
Atlanta Aircraft Certification Office

(Title)

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

(Continuation Sheet)

Number

ST03452AT

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:

- a. The type certification basis for Boeing 747-400 airplane 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, March 24, 2006, is based upon part 25 as amended by Amendment 25-116.

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:

14 CFR at the latest amendment 25-1 through 25-116:

§§ 25.21	§§ 25.601	§§ 25.623	§§ 25.1301	§§ 25.1423
§§ 25.25	§§ 25.603	§§ 25.777	§§ 25.1307	§§ 25.1431
§§ 25.29	§§ 25.605	§§ 25.815	§§ 25.1309	§§ 25.1529
§§ 25.301	§§ 25.607	§§ 25.853	§§ 25.1351	§§ 25.1541
§§ 25.303	§§ 25.609	§§ 25.869	§§ 25.1353	§§ 25.1557
§§ 25.365	§§ 25.611	§§ 25.981	§§ 25.1355	§§ 25.1581
§§ 25.581	§§ 25.619	§§ 25.1165	§§ 25.1357	§§ 25.1583

14 CFR at amendment 25-1 through 25-22 in accordance with TCDS A20WE Certification Basis exceptions:

§§ 25.305

14 CFR at amendment 25-1 through 25-31 in accordance with TCDS A20WE Certification Basis exceptions:

§§ 25.787

14 CFR at amendment 25-1 through 25-45 in accordance with TCDS A20WE Certification Basis exceptions:

§§ 25.789

14 CFR at amendment 25-1 through 25-50 in accordance with TCDS A20WE Certification Basis exceptions:

§§ 25.785

Regulation at amendment 25-1 through 25-59 in accordance with TCDS A20WE Certification Basis:

§§ 25.307	§§ 25.615
§§ 25.561	§§ 25.625
§§ 25.613	§§ 25.813

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