

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

Supplemental Type Certificate

Number ST03917AT

This certificate issued to DER Services, Inc.
3836 St. Lucie Blvd.
Fort Pierce, FL 34946

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 : A20WE
Make : Boeing
Model : 747 Series

Description of Type Design Change : Installation of LED cabin lighting (LED tubes and drivers) as replacement for the Bigorre fluorescent wash lighting tubes and ballasts as applicable in the Executive Cabin Area only in accordance with DER Services Master Data List MDL-A2010-020-1 Revision C dated May 21, 2012 or later FAA approved revision.

Limitations and Conditions : For maintenance and inspection, apply DER Services Instructions for Continued Airworthiness SR-A2010-020-5 Revision A dated February 16, 2011 or later FAA accepted revision.

(Continued on Page 3)

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 : August 30, 2010

Date reissued : April 27, 2012, February 22, 2013

Date of issuance : May 11, 2011

Date amended : September 11, 2012

By direction of the Administrator



(Signature)

Melvin D. Taylor
Manager, Atlanta Aircraft Certification Office

(Title)

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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 _____

to *(Name of transferee)* _____

(Address of transferee) _____

(Number and Street)

(City, State, and ZIP code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and Street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number ST03917AT

Date of Issuance : May 11, 2011
Date Reissued : February 22, 2013
Date Amended : September 11, 2012

Limitations and Conditions (Continued):

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.

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 the Boeing Model 747 series is as follows:

- a. The type certification basis for Boeing Model 747series airplanes is shown on TCDS A20WE for parts **not changed** or **not affected** by the change.
- b. 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 parts **changed** or **affected** by the change since the reference date of application, August 30, 2010, is determined to be:

25.301 Arndt. 25-72	§25.303 Arndt. 25-23	§25.305 Amdt. 25-77
25.307 Amdt. 25-72	§25.341 Arndt. 25-72	§25.561 Arndt. 25-46
25.601 Orig.	§25.603 Arndt. 25-46	§25.605 Amdt. 25-46
25.609 Orig.	§25.613 Arndt. 25-72	§25.853(a)(d)(2) Amdt. 25-116
25.869(a)(4) Amdt. 25-113	§25.1301(a)(b) Arndt 25-123	§25.1309(a)(b)(d)(g) Arndt. 25-41
25.1351(a) Amdt. 25-72	§25.1353(a)(b) Arndt. 25-42	§25.1357(a) Amdt. 25-123
25.1360(a)(b) Arndt. 25-123	§25.1431(a)(c) Orig.	§25.1529 Amdt. 25-54
25.1541(a)(1)(2)(b)(l)(2) Orig.		

14 CFR Part 26 regulations:

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR Part 26 are included in the certification basis. For any future 14 CFR 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 regulations:

- 26.11 Amdt 26-0
- 26.47 Amdt 26-1

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