



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number ST00300BO

*This certificate issued to:* Rockwell Collins Inc.  
400 Collins Road NE, MS 164-100  
Cedar Rapids, IA 52498

*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: T00001SE

Make: Boeing  
Model: 777-200/200LR/300/300ER Series

**Description of Type Design Change:**

Installation of an Electronic Flight Bag (EFB) system installed per Master Drawing List 4612-B49-MDL Revision C dated April 8, 2010 or later FAA approved revision.

**Limitations and Conditions:**

(See continuation Sheet 3 of 4)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

Date of application: April 16, 2009  
Date of issuance: April 12, 2010

Date reissued: December 12, 2012; March 14, 2014  
Date amended:

*By direction of the Administrator*

Signature \_\_\_\_\_  
S. Frances Cox

Title \_\_\_\_\_  
Manager, Special Certification Office,  
Southwest Region

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00300BO

Date of Issuance: April 12, 2010

Reissuance Date: March 14, 2014

## Limitations and Conditions (Continued):

1. L2 Consulting Services, Inc., Flight Manual Supplement No. 4612-B49-AFM for Boeing Model 777-200/-200LR/-300/-300ER aircraft, revision A, approved April 12, 2010 or later FAA approved revision.
2. Instructions for Continued Airworthiness (ICA), L2 Consulting Services, Inc., No. 4612-B49-ICA, Revision C, dated February 17, 2010 or later FAA accepted revision shall be made available to the operator at the time of installation.
3. The following limitations are required on the ICG e-switch which is to be used as part of this installation:
  - a. The e-switch may not be used for applications which depend on Power over Ethernet (PoE).
4. This modification may not be installed after August 30, 2010 unless:
  - a. Previously approved electrical wiring interconnection system EWIS instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or
  - b. Revised EWIS ICA has been approved by the FAA Oversight Office. (Refer to 14 CFR §26.11),
5. The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

## Certification Basis:

Based on 14 CFR Part 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing 777 A/C system is as follows:

- a. The type certification basis for the Boeing Model 777 airplanes is shown on the TCDS T00001SE 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, April 16, 2009, is based upon part 25 as amended by Amendment 25-129 and 14 CFR part 26.

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

25.305(a)(b), 25.335(a)(b), 25.341(c), 25.561, 25.613(a)(b)(c), 25.785(d2)(g)(1), 25.853(a), 25.981(a)(b), 25.1357(a)(c)(e), 25.1431(a)(b)(c)(d)

### Regulations at an intermediate amendment

25.869(a,4) 25-113, 25.1353(a)(b)(c) 25-113

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00300BO

Date of Issuance: April 12, 2010

Reissuance Date: March 14, 2014

**Certification Basis (Continued):**

**Regulations at the amendment level in TCDS T00001SE**

**Model 200**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609(a), 25.611, 25.625(a), 25.771(a), 25.773(a), 25.789(a), 25.863, 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541(b), 25.1555, 25.1581, 25.1583, 25.1585

**Model 300**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609(a), 25.611, 25.625(a), 25.771(a), 25.773(a), 25.789(a), 25.863, 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541(b), 25.1555, 25.1581, 25.1583, 25.1585

**Model 300ER**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609(a), 25.611, 25.625(a), 25.771(a), 25.773(a), 25.789(a), 25.863, 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541(b), 25.1555, 25.1581, 25.1583, 25.1585

**Model 200LR**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609(a), 25.611, 25.625(a), 25.771(a), 25.773(a), 25.789(a), 25.863, 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a)(b)(c), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541(b), 25.1555, 25.1581, 25.1583, 25.1585

**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 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 regulations 14 CFR §§26.11 and 26.47, (Amdt. No. 26-0, through 26-1).

-END-

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**SUPPLEMENTAL TYPE CERTIFICATE, FAA FORM 8110-2  
(CONTINUED)**

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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.

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*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) \_\_\_\_\_

(Address of grantor) \_\_\_\_\_

(Number and street) \_\_\_\_\_

(City, State, and ZIP Code) \_\_\_\_\_

**Extent of Authority** (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor: \_\_\_\_\_