

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

Supplemental Type Certificate

Number ST00750DE

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. *See Page 3 of 3 for complete certification Basis*

Original Product—Type Certificate Number:

T00001SE

Make:

Boeing

Model:

777-200/300/300ER Series

Description of the Type Design Change:

Installation of an International Communications Group (ICG) Iridium Communication (SATCOM) system installed per ARINC Aerospace Master Data List 12C-77-D121, Rev IR, dated January 14, 2014 or later FAA approved revision.

Limitations and Conditions:

1. A copy of this certificate and FAA Approved Airplane Flight Manual Supplement No. 12C-77-D119, Rev IR, Dated January 7, 2014, or later FAA approved revisions must be maintained as part of the permanent records for the modified aircraft.
2. Instructions for Continued Airworthiness (ICA), Document Number 2315-B70-ICA, Revision C, dated January 7, 2014 or later FAA accepted revision shall be made available to the operator at the time of installation.
3. Approval of this change in type design applies to the above model of airplane only.

(Limitations and Conditions continued on Page 3 of 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 10, 2012

Date reissued: February 25, 2015

Date of issuance: January 16, 2014

Date amended:

By direction of the Administrator



(Signature)

Gregory Johnson
Program Manager
Denver Aircraft Certification Office

(Title)

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

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Limitations and Conditions (Cont'd)

4. 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.
5. 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 the permission.

Certification Basis:

It was determined that there is no acoustical change in accordance with § 21.93(b)(3)(iii) as a result of this modification.

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 Model 777-200/300/300ER Iridium system is as follows:

- a) The type certification basis for Boeing 777-200/300/300ER is shown on 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 the application, 08/10/2012, is based upon part 25 as amended by Amendment 25-136. Based on 14 CFR §21.115 and §21.101, and the FAA policy for significant changes in the FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-136

25.301, 25.303, 25.305(a)(b), 25.307(a), 25.571(a)(b), 25.581, 25.601, 25.603(a), 25.605(a), 25.607, 25.609, 25.613(a)(b)(d), 25.625, 25.789(a), 25.863(a), 25.1307(c), 25.1351(a), 25.1355(c), 25.1419(a), 25.1519, 25.1529, 25.1541, 25.1555(a), 25.1581(a)(b)

Regulations at an intermediate amendment

25.121, 25-84 (777-200)

Regulations at the amendment level in TCDS T00001SE

Model 200

25.611, 25.773(a), 25.1301(a)(b)(c)(d), 25.1309(a)(b)(c)(d)(e1), 25.1322(b)(c), 25.1353(a)(b)(c), 25.1357(a)(c)(d), 25.1431(a)(b)(c), 25.1583(h)

Model 300

25.121, 25.611, 25.773(a), 25.1301(a)(b)(c)(d), 25.1309(a)(b)(c)(d)(e1), 25.1322(b)(c), 25.1353(a)(b)(c), 25.1357(a)(c)(d), 25.1431(a)(b)(c), 25.1583(h)

Model 300ER

25.121, 25.611, 25.773(a), 25.1301(a)(b)(c)(d), 25.1309(a)(b)(c)(d)(e1), 25.1322(b)(c), 25.1353(a)(b)(c), 25.1357(a)(c)(d), 25.1431(a)(b)(c), 25.1583(h)

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).

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