

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

Number ST01908CH

This certificate issued to Canard Aerospace Corporation
250 South Fuller Street, Suite 201
Shakopee, MN 55379

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.

See Type Certificate Data Sheet No. A20WE for complete certification basis.

Original Product--Type Certificate Number: A20WE

Make: Boeing

Model: 747-100 Series; 747-100B Series; 747-100B SUD Series;
747-200B Series; 747-200C Series; 747-200F Series
747-300 Series; 747SP Series; & 747SR Series.

Description of Type Design Change:

Option 1: Installation of Communications Management Unit in accordance with Canard Aerospace Corporation Document Control Drawing No. 30012, Revision NC, dated December 04, 2006, Appendix A, or later FAA approved revision.

Option 2: Installation of a Collins Communications Management Unit and VHF data radios in accordance with Appendix B of Canard Aerospace Corporation Top Level Document Control Drawing No. 30012, Revision B, dated August 26, 2013, or later FAA approved revision.

Limitations and Conditions:

1) Compatibility of this design change with previously approved modifications must be determined by the installer.

(See continuation sheet 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: May 15, 2002

Date reissued: January 21, 2004

Date of issuance: January 14, 2002

Date amended: September 09, 2013



By direction of the Administrator

(Signature)

Steven L. Lardinois
Systems & Flight Test Branch
Chicago Aircraft Certification Office

(Title)

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(Continuation Sheet)

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Amended: September 09, 2013

Limitations and Conditions: (Continued)

- 2) **Option 1:** Airplane Flight Manual Supplement, Canard Aerospace Corporation Document No. 23-3322-06, Revision NC, FAA Approved November 26, 2003, or later FAA approved revision, is required on board the aircraft.
- 3) **Option 2:** Airplane Flight Manual Supplement, Canard Aerospace Corporation Document No. 23-3405-06, Revision A, FAA Approved November 05, 2012, or later FAA approved revision, is required on board the aircraft. Airplane Flight Manual Supplement, Canard Aerospace Corporation Document No. 23-3566-06, Revision NC, FAA Approved April 11, 2013, or later FAA approved revision, is required on board the aircraft for activation of Controller/Pilot Data Link Communications (CPDLC) operations.
- 4) 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:

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 changed Boeing 747-100 Series, 747-100B Series, 747-100B SUD Series, 747-200B Series, 747-200C Series, 747-200F Series, 747-300 Series, 747SP Series and 747SR Series aircraft as described in this certificate is as follows:

- a. The type certification basis for the Boeing 747-100 Series, 747-100B Series, 747-100B SUD Series, 747-200B Series, 747-200C Series, 747-200F Series, 747-300 Series, 747SP Series and 747SR Series aircraft is shown on TCDS A0WE for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, October 05, 2012, is shown on TCDS A20WE. In addition, the applicant has complied with 14 CFR Part 25 as amended by Amendment 25-124, and 14 CFR Part 26 as amended by Amendment 26-3

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 amendment 25-0 through 25-122

25.869 (a); 25.981 (a), (b); 25.1301 (a), (b), (c), (d); 25.1307 (c); 25.1309 (b), (d); 25.1322 (d); 25.1351 (a); 25.1353 (a), (b), (d); 25.1357 (a), (c); 25.1381 (b); 25.1431 (a), (c), (d); 25.1529; 25.1541 (b); 25.1581 (a), (b); 25.1585 (a)

Regulations at amendment 25-124

25.1457 (a)

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 issuance date of this STC, compliance has been found for the following regulations 14 CFR § 26.11(c), 26.47(b), (c) (Amdt. No. 26-0 through 26-3). This modification does not affect or create fatigue critical structure.

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