

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

Number ST03007CH

This certificate issued to Electronic Cable Specialists Inc.
5300 W. Franklin Drive
Franklin, WI 53132

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 Page 3 of 3 for complete certification basis.

Original Product -- Type Certificate Number : A16WE
Make : Boeing
Model : 737-600 Series; 737-700 Series; 737-700C Series;
737-800 Series; 737-900 Series; 737-900ER Series

Description of Type Design Change:
Installation of a CMC Electronics Class 3 Electronic Flight Bag (EFB) System Activation in accordance with Electronic Cable Specialists Master Data List ECS-208300, Revision L, dated January 19, 2012, or later FAA approved revision.

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) The Airplane Flight Manual Supplement as listed in Appendix A of Electronic Cable Specialists Master Data List, ECS-208300, Revision L, dated January 19, 2012, or later FAA approved revision, is required on board the modified aircraft.
- 3) 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.

(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 : September 30, 2009

Date reissued :

Date of issuance : January 23, 2012

Date amended :



By direction of the Administrator

(Signature)

Steven L. Lardinois
Manager, Systems and Flight Test Branch
Chicago 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.

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

Number ST03007CH

Date of issuance : January 23, 2012

Certification Basis:

The certification basis for the changed Boeing 737-600 Series; 737-700 Series; 737-700C Series; 737-800 Series; 737-900 Series; 737-900ER Series as described in this certificate is as follows:

- a. The type certification basis for the Boeing 737-600 Series; 737-700 Series; 737-700C Series; 737-800 Series; 737-900 Series; 737-900ER Series is shown on TCDS A16WE 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, September 30, 2009, is shown on TCDS A16WE. In addition, the applicant has complied with 14 CFR Part 25 as amended by Amendment 25-119 and included in Special Condition 25-445-SC, dated September 09, 2011, Docket No. NM464 (Lithium Batteries), and 14 CFR Part 26 amended by Amendment 26-3. The certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-119

25.29(b); 25.301(a), (b); 25.303; 25.305(a), (b); 25.307(a); 25.561(a), (b)(3), (c), (d); 25.601; 25.603; 25.605(a); 25.609; 25.611; 25.613(a); 25.619; 25.625(a); 25.771(a); 25.773(a)(1), (a)(2); 25.777(a); 25.785(d)(1), (k); 25.789(a); 25.803(a), (c); 25.809(b), (c); 25.853(a); 25.869(a)(4); 25.981(a)(3); 25.1301; 25.1309(a), (b), (c), (d), (e), (g); 25.1316(b); 25.1322; 25.1333(c); 25.1351(a); 25.1353(a), (b), (c)(1), (c)(2), (c)(3), (c)(4), (d); 25.1357(a), (c); 25.1381(a); 25.1431; 25.1447(c)(2)(i); 25.1529; 25.1541; 25.1555(a); 25.1581(a), (b); 25.1585(a).

Regulations at the latest amendment 26-0 through 26-3

26.11(c); 26.47 This modification does not affect or create fatigue critical structure.

Limitations and Conditions: (continued)

- 4) The CMC Electronics EFB System is an approved Class 3 EFB system for use in hosting Type A, Type B, and Type C Airport Moving Map Display (AMMD) software applications following the guidance in Advisory Circular (AC) No.'s 120-76A and 20-159 (along with FAA Memo for Policy and Guidance for Class 3 EFB, dated September 29, 2009). Hosting other Type C software applications requires additional approval in accordance with the guidance in Advisory Circular (AC) No. 20-159, or other FAA approved guidance. Operational approval of the EFB system should follow the guidance in Advisory Circular (AC) No. 120-76A, or other FAA approved guidance.
- 5) Any software applications installed on the CMC Electronics EFB System must be evaluated in accordance with the requirements of Electronic Cable Specialists Document Number ECS-209971, Revision N/C, dated September 9, 2011, a later FAA approved revision, or other FAA approved guidance.
- 6) In accordance with FAA Seattle Aircraft Certification Office dated October 6, 2011 [Refer to: 140S-11-305], this modification is FAA approved as an Alternative Method of Compliance (AMOC) to the requirements of paragraph (g)(3) of Airworthiness Directive (AD) 2008-10-10 R1.
- 7) Equivalent Level of Safety Findings has been made for the following regulation(s): § 25.773(a)(2), EFB Class 3 Installation (documented in TAD ELOS Memo ST7226CH-T-S-2, Revision 1)
- 8) Lithium batteries must be of the same manufacturer and part number as listed in Section 5 of Instructions for Continued Airworthiness, Electronic Cable Specialists Document Number ECS-208310, Revision D, dated November 29, 2011, or later FAA accepted revision.
- 9) The Lithium batteries used in this modification are not intended to provide backup power to the EFB, only shutdown power. Therefore, battery monitoring and warning of the charge status is not required.

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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.