

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

Number ST02162CH

This certificate issued to Carlisle Interconnect Technologies 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: 737-300 Series; 737-400 Series; 737-500 Series;
737-600 Series; 737-700 Series; 737-800 Series

Description of Type Design Change:

Installation of elementary or enhanced surveillance Mode S transponders in accordance with Electronic Cable Specialists Master Data List ECS-203150, Revision AK, dated February 26, 2016, and FAA stamped and initialed April 28, 2016 or later FAA approved revision.

Limitations and Conditions:

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) FAA approved Airplane Flight Manual Supplement for Configurations 2, 7, and 8, Electronic Cable Specialists document ECS-203502, Revision B, FAA approved May 17, 2007, or later FAA approved revision, is required on board the modified aircraft.
- 3) FAA approved Airplane Flight Manual Supplement for Configurations 1,4,5, and 9, Electronic Cable Specialists document ECS-203501, Revision B, FAA approved October 6, 2006, or later FAA approved revision, is required on board the modified aircraft.
- 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.

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: January 24, 2005

Date reissued:

Date of issuance: June 16, 2005

Date amended: October 3, 2005; August 18, 2010;
April 28, 2016



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.

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

Number ST02162CH

Date of issuance: June 16, 2005

Date amended: October 3, 2005; August 18, 2010; April 28, 2016

Certification Basis:

The certification basis for the changed Boeing 737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series and 737-800 Series as described in this certificate is as follows:

- a. The type certification basis for the Boeing 737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series and 737-800 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, June 11, 2015, is shown on TCDS A16WE. In addition, the applicant has complied with 14 CFR Part 25 as amended by Amendment 25-113 and 14 CFR Part 26 amended by Amendment 26-3.

Regulations at the latest amendment 25-0 through 25-113

25.23(a)-(b); 25.29(a)-(b); 25.301(a)-(b); 25.303; 25.305(a)-(b); 25.307(a); 25.571(a)-(b)(d); 25.613(a)-(b); 25.789(a); 25.853(a); 25.869(a)(4); 25.981(a)(3); 25.1301; 25.1309 (a), (b), (c), (d), (g); 25.1322; 25.1333(c); 25.1351(a); 25.1353(a), (b), (d); 25.1355(a), (c); 25.1357(a), (c); 25.1381; 25.1431; 25.1529; 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(a), (c). This modification does not affect or create fatigue critical structure.

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