

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

Number ST02184CH

This certificate issued to
Electronic Cable Specialists
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: A22WE
Make: McDonnell Douglas
Model: MD-11; MD-11F;
DC-10-10; DC-10-15; DC-10-30; DC-10-40;
DC-10-10F; DC-10-30F; DC-10-40F

Description of Type Design Change:

Installation of elementary or enhanced surveillance Mode S transponders in accordance with Electronic Cable Specialists Master Data List ECS-203475, Revision T, dated October 1, 2010, 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-203475, Revision T, dated October 1, 2010, 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.

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 20, 2005

Date reissued:

Date of issuance: September 15, 2005

Date amended: June 26, 2006; March 19, 2008;
October 15, 2010



By direction of the Administrator

(Signature)

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

(Title)

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

Number ST02184CH

Date of issuance : January 20, 2005

Date amended : June 26, 2006; March 19, 2008; October 15, 2010

Certification Basis:

Electronic Cable Specialists Master Data List ECS-203475, at the revision listed on page 1 of this STC, Configurations 1, 2, 3, 4, 5, 7, 8, & 9:

Based on 14 CFR §§ 21.115 and 21.101, and FAA Order 8110.48, the type certification basis for the McDonnell Douglas MD-11; MD-11F; DC-10-10; DC-10-15; DC-10-30; DC-10-40; DC-10-10F; DC-10-30F; and DC-10-40F is as shown on the TCDS A22WE for parts changed or affected by the change.

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 § 26.47(b), (c) (Amdt No. 26-0 through 26-3).

Electronic Cable Specialists Master Data List ECS-203475, at the revision listed on page 1 of this STC, Configuration 6 & 10

Based on 14 CFR §§ 21.115 and 21.101, and FAA Order 8110.48, the type certification basis for the McDonnell Douglas MD-11; MD-11F; DC-10-10; DC-10-15; DC-10-30; DC-10-40; DC-10-10F; DC-10-30F; and DC-10-40F is as shown on the TCDS A22WE for parts changed or affected by the change.

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(c); 26.47(b), (c) (Amdt No. 26-0 through 26-3).

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