

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

Number SA02738CH

This certificate issued to

L-3 Communications Avionics Systems
5353 52nd Street SE
Grand Rapids, MI 49512

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 23 of the Federal Aviation Regulations.

(See Sheet 3 for complete certification basis)

Original Product--Type Certificate Number:

See Attached FAA Approved Model List (AML) Document Number AML-SA02738CH Revision A or later FAA approved revisions for the list of approved airplane models, applicable installation data requirements and specific limitations

Make:

Model:

Description of Type Design Change:

Installation of L-3 Communications Avionics Systems ESI-1000 Electronic Standby Instrument in accordance with L-3 Communication Avionics Systems Master Data List referenced on AML Document Number AML-SA02738CH, Revision A, or later FAA approved revisions.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Flight Manual Supplement, L-3 Communications Avionics Systems Document Number E08046-3400-B001, Revision -, FAA approved July 10, 2009, or later FAA approved revision is a required part of this STC.
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: October 28, 2008

Date reissued:

Date of issuance: July 13, 2009

Date amended: May 07, 2010

By direction of the Administrator



(Signature)

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

(Title)

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(Continuation Sheet)

Number SA02738CH

Date Amended: May 07, 2010

Certification Basis (continued)

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the aircraft identified in the approved model list for this STC with the installation of the L-3 Communications ESI-1000 Electronic Standby Instrument is as follows:

- a. The type certification basis for the aircraft identified in the approved model list for this STC is shown on the approved model list for parts not changed or not affected by this change.
- b. The type certification basis for the parts changed or affected by this change since the reference date of application, October 28, 2008, is based upon Part 23 as amended by Amendment 23-55. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Applicable Regulations at the latest amendment 23-0 through 23-55

23.301(a), (b); 23.303; 23.305(a), (b); 23.307(a);; 23.561(a), (b), (e); 23.562(d)(1); 23.603(a), (b); 23.605(a); 23.607(b); 23.609(a), (b); 23.611; 23.613(a), (b), (d); 23.619; 23.625(a); 23.867(a), (b); 23.1301(a), (b), (c), (d); 23.1309(a), (b), (c), (d), (e); 23.1323(c); 23.1325(a), (b)(1); 23.1351(a); 23.1357(a), (b), (c), (d); 23.1359(b); 23.1365(a), (b), (d), (e), (f); 23.1431(a), (b); 23.1501; 23.1529; 23.1581(a), (b), (c), (d), (f); 23.1583(m); 23.1585(a), (j).

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