

Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

IMPORT

*Number* ST02248NY

*This certificate issued to* EMS Technologies Canada, Ltd.  
400 Maple Grove Road  
Ottawa, Ontario K2V 1B8

*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.*

*Original Product - - Type Certificate Number:* \* \*See attached FAA Approved Model List (AML) No. ST02248NY for a list of approved models and applicable airworthiness regulations

*Make:* \*

*Model:* \*

*Description of Type Design Change:*

Installation of EMS HSD-64, HSD-128, HSD-HCM, and HSD-X must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 1, and EMS Technologies HSD High-Speed-Data SATCOM Transceiver Installation and Maintenance Manual MN-1110-10113, Revision B, dated June 18, 2004 or later Transport Canada approved revisions

Installation of HSD-400, P/N 1252-A-3100 and 1252-A-3200 must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 2 and EMS Technologies HSD-400 SATCOM System Description, Installation and Maintenance Manual MN-1252-30020, Revision A, dated September 1, 2005, or later Transport Canada approved revisions.

*Limitations and Conditions:*

1. Maintenance must be accordance with Avionics Design Services Ltd. Maintenance Manual Supplement MMS04021-1, Revision F, accepted October 12, 2007, or later Transport Canada accepted revision.
2. The Installer must determine whether this design change is compatible with previously approved modifications.
3. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(See Continuation Sheet 2 of 2)

*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:* April 19, 2005

*Date reissued:* August 12, 2008

*Date of issuance:* March 29, 2006

*Date amended:* January 24, 2007, May 21, 2007,  
June 21, 2007, July 17, 2008

*By direction of the Administrator*



(Signature)

Anthony Socias  
Manager  
New York 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**

*Number* ST02248NY

Date of Reissue: August 12, 2008

*Limitations and Conditions:* (Continued)

4. This modification may not be installed after June 7, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS ICA have been approved by the FAA Oversight Office. (Refer to §26.11, Amdt 26-0)

*Description of Type Design Change* (Continued).

Installation of HSD-400 P/N -3101, -3201, -3202, -3103, -3203 must be in accordance with EMS Technologies Drawing 1110-K-0171 Revision 5 and eNfusion HSD-400 High Speed Data Terminal System Description, Installation and Maintenance Manual MN-1252-30020 Revision C, dated October 18, 2006, or later Transport approved revisions.

Installation of HSD-400i P/N -3500 must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 5 and EMS Technologies eNfusion HSD-400i High Speed Data Terminal System Description, Installation, and Maintenance Manual MN-1252-30089, Revision 002, dated October 18, 2006 or later Transport Canada approved revisions.

Installation of HD-710 P/N 1252-A-3600-xx must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 7 and EMS Technologies HD-710 High Speed Data Terminal System Description, Installation, and Maintenance Manual MN-1252-11153, Revision B00, dated March 7, 2007, or later Transport Canada approved revisions.

Installation of HD-710 P/N 1252-A-3700-xx must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 7 and EMS Technologies HD-710 High Speed Data Terminal System Description, Installation, and Maintenance Manual MN-1252-13000, Revision 002, dated March 7, 2007, or later Transport Canada approved revisions.

Installation of HD-440 P/N -3400 must be in accordance with EMS Technologies Drawing 1110-K-0171, Revision 7 and EMS Technologies HS-440 High Speed Data Terminal System Description, Installation, and Maintenance Manual MN-1252-33077, Revision 003, dated March 7, 2007, or later Transport Canada approved revisions.

*Certification Basis:*

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for this modification is as follows:

The existing type certification basis for the aircraft models on the AML as shown on the FAA Type Certificate Data Sheet in addition to:

**FAR Part 26 Regulations (as applicable)**

§ 26.11                      Amendment 26-0

.....END.....