

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

*Number* ST00297BO

*This Certificate issued to* Learjet, Inc.  
85-173 Bradley International Airport  
Windsor Locks, CT 06096

*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:* T00005NY  
*Make:* Bombardier, Inc.  
*Model:* BD-100-1A10

*Description of Type Design Change:*

Installation and activation of an International Communications Group (ICG) NxtMail Server Cabin Wireless Local Area Network (CWLAN) in accordance with Learjet, Inc. Master Document List, Document No. BAS68017002, Revision NC, dated February 09, 2010, or later FAA-approved revision. Iridium service is via an existing SATCOM system.

*Limitations and Conditions:*

1. This system is intended to provide cached internet content and email services to the airplane's cabin passengers with access via PEDs. Any other intended function of this equipment will require a re-examination of the certification basis.
2. Flight with Personal Electronic Devices (PEDs) is not approved by this STC. PED operational approval must be secured by other means.
3. Operation must be in accordance with Learjet, Inc. Airplane Flight Manual Supplement (AFMS) Document No. BAS68047001, Revision NC, approved February 11, 2010, or later FAA approved revision. The FMS must be carried in the aircraft during all flights.

(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:* June 19, 2009

*Date reissued:*

*Date of issuance:* February 11, 2010

*Date amended:*



*By direction of the Administrator*

(Signature)

Robert G. Mann  
Manager  
Boston Aircraft Certification Office

(Title)

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(Continuation Sheet)  
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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

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**TRANSFER ENDORSEMENT**

Transfer the ownership of Supplemental Type Certificate Number \_\_\_\_\_

to (*Name of transferee*) \_\_\_\_\_

(*Address of transferee*) \_\_\_\_\_

(*Number and street*)

\_\_\_\_\_  
(*City, State, and ZIP code*)

from (*Name of grantor*)(*Print or type*) \_\_\_\_\_

(*Address of grantor*) \_\_\_\_\_

(*Number & street*)

\_\_\_\_\_  
(*City, State, and ZIP code*)

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor (*In ink*): \_\_\_\_\_

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*Limitations and Conditions:* (continued from Page 1 of 3)

4. Maintenance must be in accordance with Learjet, Inc. Instructions for Continued Airworthiness (ICA) Document No. BAS68017002-ICA-1, Revision NC, dated October 29, 2009, or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.
5. Compatibility of this design with previously approved modifications must be determined by the installer.

*Certification Basis:*

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Bombardier, Inc. BD-100-1A10 aircraft is as follows:

- a. The type certification basis for Bombardier, Inc. BD-100-1A10 is shown on TCDS T00005NY for parts **not changed or not affected** by the change.
- b. The certification for parts **changed or affected** by the change since the reference date of application, June 19, 2009, is based upon part 25 as amended by Amendment 25-105. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-105**

25.1, 25.29, 25.301 – 25.307, 25.341, 25.561, 25.601 – 25.605, 25.609, 25.619, 25.625, 25.789, 25.1351, 25.1529, 25.1581, 25.1585

**Regulations at the amendment level in TCDS T00005NY**

25.613, 25.869, 25.1301, 25.1309, 25.1353, 25.1431

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.

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