

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

IMPORT

Number **ST02193NY**

This certificate issued to

Western Avionics
275 Palmer Road N.E.
Calgary, Alberta T2E 7G4
Canada

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: A13NM

Make: Bombardier Inc.

Model: DHC-8, DHC-8-101, DHC-8-102, DHC-8-103, DHC-8-106, DHC-8-201, DHC-8-202, DHC-8-301, DHC-8-311, DHC-8-314, DHC-8-315

Description of Type Design Change:

Configuration 1: Installation of the single FMS is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 71967-401, Revision 5, dated September 17, 2004, or later Transport Canada approved revision.

Configuration 2: Installation of the single FMS with dual provisions is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 91846-402, Revision 1, dated September 17, 2004, or later Transport Canada approved revision.

(See Continuation Sheet 2)

Limitations and Conditions:

1. **For Configuration 1 and 2:** Transport Canada approved Western Avionics Flight Manual Supplement 71967-803, Revision 1, dated August 05, 2003, or later Transport Canada approved revision (Electro-Mechanical Instruments), or 71967-804, Initial Issue, dated August 05, 2003, or later Transport Canada approved revision (EFIS), is required.

Western Avionics Maintenance Manual Supplement 71967-702, Initial Issue, dated March 18, 2005, or later Transport Canada accepted revision is required.

(See Continuation Sheet 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: February 13, 2005

Date reissued:

Date of issuance: December 13, 2005

Date amended:



By direction of the Administrator

(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

Number
ST02193NY

(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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Supplemental Type Certificate
(Continuation Sheet)

Description of Type Design Change (Continued):

Structural provisions provided under Transport Canada Supplemental Type Certificate SA00-55, or latest approved revision, are required.

Configuration 3: Upgrade of the single UNS-1C to UNS-1C+/1E is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 91846-406, Revision 1, dated September 17, 2004, or later Transport Canada approved revision.

Configuration 4: Installation of the dual FMS is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 91846-401, Revision 1, dated September 17, 2004, or later Transport Canada approved revision.

Configuration 5: Upgrade of dual UNS-1C to UNS-1C+/1E is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 91846-404, Revision 4, dated September 17, 2004, or later Transport Canada approved revision.

Limitations and Conditions (Continued):

2. For Configuration 3: Transport Canada Approved Western Avionics Flight Manual Supplement 71967-803, Revision 1, dated August 05, 2003, or later Transport Canada approved revision (Electro-Mechanical Instruments), or 71967-804, Initial Issue, dated August 05, 2003, or later Transport Canada approved revision (EFIS) is required.

Western Avionics Maintenance Manual Supplement 71967-702, dated March 18, 2005, or later Transport Canada accepted revision is required.

3. For Configuration 4: Transport Canada approved Western Avionics Flight Manual Supplement 91846-801, Revision 1, dated March 16, 2004, or later Transport Canada approved revision (Electro-Mechanical Instruments) or 91846-802, Revision 1, dated March 16, 2004, or later Transport Canada approved revision (EFIS) is required.

Western Avionics Maintenance Manual Supplement 91846-702, Initial Issue, dated March 18, 2005, or later Transport Canada accepted revision is required.

Structural provisions provided under Transport Canada Supplemental Type Certificate SA00-55, or latest approved revision, are required.

4. For Configuration 5: Transport Canada approved Western Avionics Flight Manual Supplement 91846-801, Revision 1, dated March 16, 2004, or later Transport Canada approved revision (Electro-Mechanical Instruments), or 91846-802, Revision 1, dated March 16, 2004, or later Transport Canada approved revision (EFIS), is required.

Western Avionics Maintenance Manual Supplement 91846-702, Initial Issue, dated March 18, 2005, or later Transport accepted revision is required.

5. Activation or deactivation of the No. 2 FMS is to be done in accordance with Transport Canada approved Western Avionics Engineering Order 91846-403, Revision 1, dated September 17, 2004, or later Transport Canada approved revision.
6. Compatibility of this design change with previously approved modifications must be determined by the installer.
7. 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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