

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

Number ST02738NY

This certificate issued to Field Aviation East Limited
2450 Derry Road East, Hangar 2
Mississauga, Ontario
Canada L5S 1B2

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product -- Type Certificate Number: A13NM

Make: Bombardier

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

Description of Type Design Change:

Chelton HGA-7000 High Gain SATCOM Antenna and Chelton DAU-7050 Diplexer / LNA for Provisions Only to be installed in accordance with FAEL Master Drawing and Data List DDL-1168, Revision C, dated August 27, 2008, approved by Transport Canada on September 16, 2008, or later Transport Canada approved revision.

Limitations and Conditions:

1. Maintenance must be in accordance with
 - a) FAEL Maintenance Manual Supplement MMS 20190, Revision B, dated August 27, 2008, or later Transport Canada accepted revision for Chelton HGA-7000 / DAU-7050 SATCOM ANT and Diplexer.
 - b) FAEL Maintenance Manual Supplement MMS 20220, Revision IR, dated January 10, 2007, or later Transport Canada accepted revision for Structural Inspection Program.

(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: July 31, 2008

Date reissued:

Date of issuance: October 7, 2009

Date amended:

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.

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(Continuation Sheet)

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Date of Issuance: October 7, 2009

Limitations and Conditions: (Continued)

2. This STC does not approve the installation of electrical wiring for these components. When the electrical wirings are installed, the affected 14 CFR Part 26 requirements must be complied with.
3. The inspection intervals specified in FAEL Maintenance Manual Supplement MMS 20220, Revision IR, dated January 10, 2007 or later Transport Canada accepted revision are applicable to aircraft operating under a loads spectrum associated with normal airline operations.
4. Additional installation provisions and equipment are required to complete system readiness requirements.
5. This STC does not approve the operations of these equipments.
6. The installer must determine whether this design change is compatible with previously approved modifications.
7. If the holder agrees to permit another person to use the certificate to alter a product, the holder must give the other person written evidence of that permission.

Certification Basis:

Based on §§ 21.115 and 21.101, and FAA Order 8110.48, the type certification basis for the DHC-8 is as shown on TCDS A13NM 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 (Amdt. No. 26-1).