

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

IMPORT

Number **ST02050NY**

This certificate issued to

Field Aviation East Ltd.
2450 Derry Road East, Hangar #2
Mississauga, Ontario
L5S 1B2 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
Model: DHC-8-202 and DHC-8-315

Description of Type Design Change:

Installation of U.S. Customs Special Mission Modifications in accordance with Field Aviation East Ltd. (FAEL) Master Drawing and Data List, DDL-1110, Rev. N, dated November 24, 2004, for model DHC-8-202; and FAEL Master Drawing and Data List, DDL-1188, Rev. E, dated September 16, 2009 for the model DHC-8-315; or later Transport Canada approved revisions.

Limitations and Conditions:

1. Flight Operations for DHC-8-202 must be conducted in accordance with the following FAEL Flight Manual Supplements or later Transport Canada approved revisions:

Field Aviation Flight Manual Supplements

Mission System GPWS Override System	FMS 20071 Rev. IR dated September 20, 2004
Dual Universal UNS-1F Flight Management Systems	FMS 20072 Rev. IR dated September 21, 2004
Cabin Mission Equipment Power Control and Shed System	FMS 20073 Rev. IR dated September 22, 2004
Collins TCAS II and Dual Mode-S Transponders	FMS 20075 Rev. IR dated September 20, 2004
External Door Locking Provisions	FMS 20077 Rev. IR dated September 22, 2004
Auxiliary Power Unit	FMS 20078 Rev. IR dated October 06, 2004
U.S. Customs Special Mission Installations	FMS 20079 Rev. B dated November 17, 2004

(See Continuation Sheet 2 of 4)

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: December 03, 2004

Date reissued:

Date of issuance: January 26, 2005

Date amended: September 17, 2009, November 23, 2010



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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Limitations and Conditions (Continued):

2. Flight Operations for DHC-8-315 must be conducted in accordance with the following FAEL Flight Manual Supplements or later Transport Canada approved revisions

Field Aviation Flight Manual Supplements

Enhanced Ground Proximity Warning System Override Control	FMS 20158 Rev. IR dated August 19, 2008
Dual Universal UNS-1F(w) Flight Management Systems	FMS 20159 Rev. A dated September 14, 2009
Auxiliary Power Unit	FMS 20160 Rev. IR dated August 19, 2008
External Door Locking Provisions	FMS 20161 Rev. IR dated October 10, 2008
Cabin Mission Equipment Power Control and Shed System	FMS 20162 Rev. A dated September 14, 2009
Collins TCAS II and Dual Mode-S Transponders	FMS 20163 Rev. IR dated March 23, 2009
U.S. Customs Special Mission Installations	FMS 20176 Rev. A dated September 14, 2009

3. Maintenance for DHC-8-202 must be in accordance with the following FAEL Maintenance Manual Supplements or later Transport Canada accepted revisions.

Field Aviation Maintenance Manual Supplements

Universal	MDF-640 Multi Function Display	MMS 20102 Rev IR
Collins	AN/ARC-210 UHF/VHF	MMS 20108 Rev IR
Wufsborg	Dual RT-5000 VHF/UHF/FM	MMS 20109 Rev IR
Collins	HF 9000D HF Comm	MMS 20110 Rev IR
Field	Cabin Mission Power Control and Shed System	MMS 20111 Rev IR
Air Cabin Engineering	Refrigerator	MMS 20112 Rev IR
Avionic Instruments	Mission Radar System Inverters	MMS 20113 Rev IR
Avionic Instruments	Utility and Galley Inverter	MMS 20114 Rev IR
Hoffman Engineering	NVG Lighting	MMS 20115 Rev IR
Honeywell	CARA High Altitude Radio Altimeter	MMS 20116 Rev IR
Wescam	MX 15-D8	MMS 20117 Rev IR
St-Gobain	Mission Radar Radome	MMS 20118 Rev IR
Collins	TCAS II	MMS 20119 Rev IR
Collins	Dual Mode-S Transponder	MMS 20120 Rev IR
Scott	Cabin Oxygen Bottles	MMS 20121 Rev IR
Field	Dual OEM Radio Altimeter Antenna Relocation	MMS 20122 Rev IR
Honeywell	Weather Radar Controller Retrofit	MMS 20123 Rev IR
Field	OEM VHF-AM# 1 Antenna Relocation	MMS 20124 Rev IR
Universal	Dual UNS-1F Flight Management System	MMS 20125 Rev IR
Field	EGPWS Override System	MMS 20126 Rev IR
Field	Mission Operator Consoles	MMS 20127 Rev IR
Field	Aft Tail Formation Light	MMS 20128 Rev IR
Field	Aircraft Structural Inspection Program	MMS 20129 Rev IR
Honeywell	400 Amp Starter/Generator Retrofit	MMS 20130 Rev IR
Field	Auxiliary Radio Equipment Rack	MMS 20131 Rev IR
Field	Mission Search Radar Provisions	MMS 20132 Rev IR
DMR	DMR-500 Satellite Tracking System	MMS 20133 Rev IR
Weber	Mission Console and Observer Seats	MMS 20134 Rev IR
Somat	Loads Monitoring System	MMS 20135 Rev IR
Field	Type III Observation Exits and Cabin Blinds	MMS 20136 Rev IR
Aeroshade	Cockpit Blinds	MMS 20137 Rev IR
Field	Life Raft Restraint System	MMS 20138 Rev IR
Field	Overhead Hand Rail System	MMS 20139 Rev IR

(See Continuation Sheet 3 of 4)

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Limitations and Conditions (Continued):

- Maintenance for DHC-8-315 must be in accordance with the following FAEL Maintenance Manual Supplements or later Transport Canada accepted revisions.

Field Aviation Maintenance Manual Supplements

Collins	AN/ARC-210 Communications System	MMS 20108 Rev A
Wufberg	Dual RT-5000 UHF/VHF Communication System	MMS 20109 Rev A
Collins	HF-9000D Communications System	MMS 20110 Rev A
Field	Mission Power and Load Shedding System	MMS 20111 Rev A
Air Cabin Engineering	Refrigerator	MMS 20112 Rev A
Avionic Instruments	Mission Radar and Cabin Utility/Galley Inverter Systems	MMS 20113 Rev B
Hoffman Engineering	Night Vision Cabin Lighting System	MMS 20115 Rev A
Wescam	Wescam FLIR Turret	MMS 20117 Rev A
St-Gobain	Mission Radar Radome	MMS 20118 Rev A
Scott	Cabin Oxygen Bottles	MMS 20121 Rev A
Field	Dual Radio Altimeter System Antenna Relocation	MMS 20122 Rev A
Honeywell	Weather Radar System	MMS 20123 Rev A
Field	VHF 1 Communications System Antenna Relocation	MMS 20124 Rev A
Field	EGPWS Override System	MMS 20126 Rev A
Field	Mission Consoles	MMS 20127 Rev A
Field	Formation Lighting	MMS 20128 Rev A
Honeywell	APU DC Starter Generator System	MMS 20130 Rev B
Field	Auxiliary Avionics Rack	MMS 20131 Rev A
Field	Mission Radar System Provisions	MMS 20132 Rev A
Weber	Mission Seats	MMS 20134 Rev A
Field	Type III Emergency Exit Door and Blinds	MMS 20136 Rev A
Aeroshade	Cockpit Window Shades	MMS 20137 Rev A
Field	Life Raft Restraint System	MMS 20138 Rev A
Universal	Dual UNS-1F(w) Multi Mission Management System	MMS 20388 Rev IR
Field	Structural Inspection	MMS 20389 Rev IR
Field	TCAS Lower Antenna Relocation	MMS 20390 Rev IR
Field	Cabin/Baggage Bulkhead	MMS 20391 Rev IR
Field	Overhead Handrails	MMS 20392 Rev IR
CP-3i	CP-3i Satellite Tracking System Provisions	MMS 20393 Rev IR
Sensor Systems	VHF 2 Communications System Antenna Replacement	MMS 20394 Rev IR
Field	Electrical Wiring Zonal Inspection Program	MMS 20431 Rev IR

- Bombardier factory installed Sundstrand APU model T62T40C7B is a prerequisite to the installation of the Honeywell 400 Amp Starter/Generator modification.
- Bombardier factory fitment of the Honeywell MK VIII Enhanced Ground Proximity Warning System (EGPWS) is a prerequisite to the installation of the EGPWS System Override Control.
- If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written permission of that permission.
- Compatibility of this design change with previously approved modifications must be determined by the installer.

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Date of Amendment: November 23, 2010

Limitations and Conditions (Continued):

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and FAA Order 8110.48, the type certification basis for the DHC-8-202 and -315 is as shown on TCDS A13NM for parts changed or affected by the change.

14CFR Part 26 Regulations

Based on § 21.101(g) for changes to TCs, applicable provisions of Part 26 are included in the certification basis. For any future Part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the amended date of this STC, compliance has been found for the following regulations 14 CFR § 26.11, 26.33 and 26.47 (Amdt. No. 26-0, through 26-3)

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