



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate
IMPORT

Number: ST03639NY

This certificate issued to: Voyageur Airways Limited
1500 Airport Road
North Bay, Ontario
Canada P1B 8G2

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 Inc.
Model: DHC-8-100/200 Series

Description of Type Design Change:

1. Installation of Provisions for Aircraft Survivability Equipment including structural and electrical provisions for the AN/AAR-47 Missile Warning System and AN/ALE-47 Countermeasures Dispenser System in accordance with Voyageur Airways Limited Master Data List MDL 09-0276, Rev. G dated January 8, 2016, or later Transport Canada approved revision.
2. Operations must be in accordance with Voyageur Airways Limited Airplane Flight Manual Supplement AFMS 09-0276, Rev. B dated January 8, 2016, or later Transport Canada approved revision.
3. Maintenance must be in accordance with Voyageur Airways Limited Maintenance Manual Supplement MMS 09-0276, Rev. C dated January 8, 2016 or later Transport Canada approved revision.

Limitations and Conditions:

1. The aircraft must be operated in accordance with the “Limitations” section of the Voyageur Airways Limited Airplane Flight Manual Supplement AFMS 09-0276, Rev. B dated January 8, 2016, or later Transport Canada approved revision.
2. The aircraft must be maintained in accordance with Voyageur Airways Limited Maintenance Manual Supplement MMS 09-0276, Rev. C dated January 8, 2016 or later Transport Canada approved revision.
3. This approval is limited to only the installation made in the Bombardier DHC-8-100/200 Series aircraft and is valid only as long as the aircraft is operated for governmental use or as a “Head of State” aircraft.

(See 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, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: September 8, 2015

Date Reissued:

Date of Issuance: January 12, 2016

Date Amended:

By Direction of the Administrator

Signature _____

Title Anthony E. Gallo
 Acting Manager
 New York Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number: ST03639NY

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Supplemental Type Certificate

(Continuation Sheet)

Number: ST03639NY

Date of Issuance: January 12, 2016

Limitations and Conditions (continued):

4. The FAA certification of this installation does not include anti-missile pyrotechnic devices (flares) or activation of the Doppler radar system. The certification is limited to the evaluation of the electronic countermeasure equipment's effects on the safe operation of the aircraft.
5. The FAA certification does not connote FAA endorsement of the deployment of flares or the effectiveness of the equipment in countering a man portable air defense system (MANPADS) threat.
6. Since there is no International Telecommunication Union (ITU) coordinated civil frequency for the Doppler radar missile warning system installed by this STC, it is the responsibility of the owner/operator of the airplane to ensure that they have approval from each country where operation of this equipment is expected, prior to its use.
7. The certification covered by this STC is for provisions only. The FAA has not certified the equipment for which these provisions are intended. You must get additional approval to install the equipment. The FAA must evaluate the installation to ensure it complies with the applicable airworthiness standards. This additional approval must be serial number specific.
8. The installer must determine whether this design change is compatible with previously approved modifications.
9. 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.

Certification Basis:

Based on 14 CFR pp 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Bombardier DHC-8-100/200 Series aircraft is as follows:

- (a) For parts not changed or not affected by the change: The existing type certification basis for the aircraft model as shown on the FAA Type Certificate Data Sheet A13NM.
- (b) For parts changed or affected by the change: The existing type certificate basis for the aircraft model as shown on the FAA Type Certificate Data Sheet A13NM in addition to:

i. Part 26 regulations

- 26.11 Amendment 26-0
- 26.47 Amendment 26-1

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).