United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00309BO

This certificate issued to: Pro Star Aviation, LLC
8 Kelly Avenue
Londonderry, NH 03053

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-8-300 Series

Description of Type Design Change:

Installation of an EMS Aviation AMT-3800 High Gain Antenna Subsystem on Bombardier DHC-8-300 series aircraft in accordance with Pro Star Aviation Installation Data List 21032-IDL-01, Revision B, dated March 4, 2011, or later FAA-approved revision. No Flight Manual Supplement (FMS) is required for this modification.

Limitations and Conditions:

1. Maintenance must be in accordance with Instructions for Continued Airworthiness (ICA), Pro Star Aviation Document 21032-ICA-01, Revision IR, dated February 24, 2011 or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.
2. Compatibility of this design with previously approved modifications must be determined by the installer.
3. Required structural inspections for compliance with FAR 25.571 on the Bombardier DHC-8-300 are listed in the Airworthiness Limitations section of the Instructions for Continued Airworthiness Document Number 21032-ICA-01, Revision IR, dated 17 March 2011, or later FAA-approved revisions.

(See continuation 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: February 3, 2011

Date of Issuance: March 17, 2011

Date Reissued: September 13, 2018

Date Amended:

By Direction of the Administrator

Signature 

Kevin Dickert

Title Manager, Boston ACO Branch

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: ST00309BO

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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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Supplemental Type Certificate

(Continuation Sheet)
Number: ST00309BO

Limitations and Conditions (continued):

4. This approval only covers the structural installation of the AMT-3800 High Gain Antenna Subsystem. The approval for electrical connections to the High Gain Antenna Subsystem must be obtained separately.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for the Bombardier DHC-8-300 series airplanes is as follows:

a. The type certification basis for the Bombardier DHC-8-300 series airplanes is shown on TCDS A13NM for parts not **changed or not affected** by this change.

b. The certification basis for parts **changed or affected** by the change since the reference date of the application, February 3, 2011, is based upon part 25 as amended by amendments 25-0 through 25-132 and Part 26 as amended by amendments 26-0 through 26-5. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for this modification was determined to be:

Part 25 regulations at the latest amendment 25-0 through 25-132
25.1(a)(b), 25.301(a)(b), 25.303, 25.337(a-d), 25.581, 25.601, 25.603(a-c), 25.605(a), 25.607(a)(b), 25.609(a), 25.619(a-c), 25.789(a), 25.1529, H25.1, H25.2, H25.3, H25.4

Part 25 regulations at an intermediate amendment
25.571(a)(b)(e)(1) [Amdt 25-72]

Part 25 regulations at the amendment level in TCDS A13NM
25.21(a)(1), 25.29(a)(b), 25.143(a), 25.251(a)(b), 25.305, 25.307, 25.321(a)(b), 25.331(a-d), 25.333(a-c), 25.335(a-f), 25.341(a-c), 25.365(a-f), 25.561(a-c), 25.611, 25.613(a)(b)(d)(e), 25.625(a-d), 25.629, 25.841(a), 25.901(c), 25.1419

Part 26 regulations at the latest amendment 26-0 through 26-5
26.47(c)(1-3)(e)(3)

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