

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

Number ST00249BO

This Certificate issued to BAE SYSTEMS Information and Electronic Systems Integration Inc.
65 Spit Brook Road
Nashua, NH 03061

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-8-300

Description of Type Design Change:

Installation of a BAE Systems AN/ALQ-212(V)6 IRCM in accordance with Pro Star Aviation Master Document List 20595-MDL-01, Revision IR, dated February 16, 2007, or later FAA approved revision.

Limitations and Conditions:

1. Operation must be in accordance with Aircraft Flight Manual Supplement (AFMS) Document Number 20595-FMS-01, Revision IR, dated February 22, 2007, or later FAA approved revision.

The AFMS must be carried in the aircraft during all flights.

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

Date of application: November 28, 2005

Date reissued: April 3, 2007; March 22, 2012

Date of issuance: February 22, 2007

Date amended:



By direction of the Administrator

(Signature)

William Witzig
Manager
Boston 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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Supplemental Type Certificate

(Continuation Sheet)

Number ST00249BO

Effective March 22, 2012

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 _____

to (*Name of transferee*) _____

(*Address of transferee*) _____

(*Number and street*)

(*City, State, and ZIP code*)

from (*Name of grantor*)(*Print or type*) _____

(*Address of grantor*) _____

(*Number & street*)

(*City, State, and ZIP code*)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (*In ink*): _____

Supplemental Type Certificate

(Continuation Sheet)

Number ST00249BO

Effective March 22, 2012

Limitations and Conditions: (continued from Page 1 of 3)

2. Maintenance must be in accordance with Instructions for Continued Airworthiness (ICA) Document Number 20595-ICA-01, Revision B, dated February 9, 2007, or later FAA accepted revision.
The ICA must be made available to the operator at the time of installation.
3. Compatibility of this design with previously approved modifications must be determined by the installer.
4. FAA Certification of this installation was limited to the evaluation of the electronic countermeasures equipment's effects on the safe operation of the aircraft, and does not connote FAA endorsement of the effectiveness of the equipment in countering a MANPADS threat. In addition, the FAA has not evaluated the safety of the IR laser for use on the ground or in the air. Operation of the IR laser, to include appropriate laser safety training for flight crew and maintenance personnel, should be in accordance with the intent of American National Standards Institute (ANSI) Standards Z136.1, *Safe use of Lasers*, and Z136.6, *Use of Lasers Outdoor*.
5. This STC is for government use only.

Certification Basis:

Based on 14 CFR § 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Bombardier Inc. DHC-8-300 aircraft with BAE Systems AN/ALQ-212(V)6 IRCM installed is as follows (the change is determined to be **not significant**):

- a. The type certification basis for Bombardier Inc. DHC-8-300 aircraft is shown on TCDS A13NM for parts **not changed or not affected** by the change.
- b. The certification for parts **changed or affected** by the change, as of the November 28, 2005 application date, is based upon part 25 as amended by Amendment 25-117:
25.29(a)(b), 25.143(a), 25.177, 25.251(a)(b), 25.301, 25.303, 25.305(a)(b)(c), 25.307(a), 25.321, 25.331, 25.333, 25.335, 25.337, 25.341, 25.365, 25.561, 25.571(a)(b), 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.623, 25.625, 25.773(a)(2), 25.787, 25.789(a), 25.853(a), 25.1301, 25.1309(g), 25.1322(b)(c)(d), 25.1351(a), 25.1353(a)(d)(1)(2), 25.1357(a)(c), 25.1381, 25.1431(a)(b)(c), 25.1501, 25.1529, 25.1541, 25.1581(a)(2)

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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