

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

Number ST03247NY

This certificate issued to Design and Maintenance Analysis, Inc
7519 Rivershore Drive
Seaford, DE 19973

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-8-400 Series

Description of Type Design Change:

1. The intermixing of existing OEM Marathon/Honeywell Main, Auxiliary and Standby batteries and Saft 416381 Replacement batteries on Bombardier DHC-8-400 Series aircraft in accordance with DMA Inc Master Drawing List MDL 2011-03 Revision D, dated September 17, 2013. This applies to the following three configurations only:
 - i. The Saft 416381 battery in the Main, Auxiliary, and Standby positions.
 - ii. The Saft 416381 battery in the Main and Auxiliary positions and OEM battery in the Standby position.
 - iii. The Saft 416381 battery in the Standby position and OEM battery in the Main and Auxiliary positions.
2. Instructions for Continued Airworthiness, DMA Inc Document Number ER 2011-012, Revision A, dated September 09, 2013 must be made available to the operator at the time of installation.

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. 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.

(See Continuation Sheet 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: June 15, 2011

Date reissued:

Date of issuance: February 6, 2013

Date amended: February 26, 2014

By direction of the Administrator



(Signature)

Gaetano Sciortino
Manager
New York Aircraft Certification Office

(Title)

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Supplemental Type Certificate
(Continuation Sheet)

Number **ST03247NY**

Date of Amendment: February 26, 2014

Certification Basis:

Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the FAA certification basis for the Bombardier DHC-8-400 series modification is as follows:

- a. The type certification basis for the Bombardier DHC-8-400 series is shown on TCDS A13NM for parts **not changed or not affected** by the change.
- b. The type certification basis for the Bombardier DHC-8-400 series is shown on TCDS A13NM for parts **changed or affected** by the change.

Based on 14CFR 21.101(g), applicable provisions of 14CFR part 26 are included in the certification basis. As of the issuance date of this STC, compliance has been found for the following regulation 14CFR 26.11, (Amdt. No. 26-0).

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