

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

Number ST02945NY

This certificate issued to Quiet Wing Technologies, Inc.  
12324 134<sup>th</sup> Court NE  
Redmond, WA 98052

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: A21EA  
Make: Bombardier, Inc.  
Model: CL-600-2B19

*Description of Type Design Change:*

- Modification of PATS Aircraft, LLC Auxiliary Fuel Tank System to be in compliance to SFAR 88 requirements for Bombardier, Inc CL-600-2B19 airplane in accordance with Master Drawing List QWTCL600101, Revision A, dated March 21, 2011.
- The aircraft must be maintained in accordance with Instructions for Continued Airworthiness QWTCL600121 Revision B, dated March 24, 2011.
- Quiet Wing Technologies, Inc. Airplane Flight Manual Supplement QWTCL6001001, Revision Original, FAA approved March 28, 2011, is also required for this modification.

*Limitations and Conditions:*

- The FAA approved Airworthiness Limitations in Section 2 of Instruction for Continued Airworthiness QWTCL600121 Revision B, dated March 24, 2011 is mandatory.
- Installation of this Supplemental Type Certificate provides an Alternate Method of Compliance (AMOC) to Airworthiness Directive AD 2008-22-01.

(See Continuation Sheet 2 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: March 5, 2010

Date reissued: November 8, 2011

Date of issuance: March 28, 2011

Date amended:



By direction of the Administrator

*Anthony Gallo*

(Signature)

Anthony Gallo  
Acting 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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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST02945NY

Date of Reissue: November 8, 2011

*Certification Basis:* (Continued)

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 these modifications is as follows:

- a. The type certification basis for Bombardier, Inc Model CL-600-2B19 series airplanes is shown in TCDS A21EA for parts not changed or affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, March 5, 2010 is based upon 14 CFR § 25 requirements effective February 1, 1965 with the following exceptions:

25.301(a)(b)(c) Amdt 25-23  
25.303 Amdt 25-23  
25.305(a)(b) Amdt 25-86  
25.307(a) Amdt 25-72  
25.561(a)(b)(c) Amdt 25-91  
25.571(a)(b) Amdt 25-54  
25.581(b) Amdt 25-23  
25.601 Orig.  
25.603 Amdt 25-46  
25.605 Amdt 25-46  
25.607 Amdt 25-23  
25.609 Orig.  
25.611 Amdt 25-23  
25.613 Amdt 25-112  
25.625 Amdt 25-72  
25.729(f) Amdt 25-75  
25.863 Amdt 25-46  
25.901 Amdt 25-46  
25.954 Amdt 25-14  
25.979 Amdt 25-72  
25.981 (a)(b) Amdt 25-102  
25.1301(a)(b)(c)(d) Orig  
25.1305(a)(2) Amdt 25-38  
25.1307(c) Amdt 25-72  
25.1309(a)(b)(c)(d)(g), Amdt 25-41  
25.1316(a)(b)(c) Amdt 25-80  
25.1317 Amdt 25-122  
25.1337(b) Amdt 25-40  
25.1351 (a) Amdt 25-72  
25.1353(a)(b) Amdt 25-42  
25.1357 Orig  
25.1431 Orig  
25.1519 Orig

(See Continuation Sheet 3 of 3)

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST02945NY

Date of Reissue: November 8, 2011

*Certification Basis:* (Continued)

25.1529 & Appendix H - Amdt 25-54  
25.1533 Amdt 25-92  
25.1543 Amdt 25-72  
25.1549 Amdt 25-40  
25.1553 Orig  
25.1583(a)(b)(c)(h) Amdt 25-105  
25.1585 Amdt 25-105  
14CFR Part21 SFAR88 Amdt 21-83

*Part 26 regulations*

Based on 14 CFR § 21.101(g), 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 applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations:

14 CFR 26.11(a)(c)(d5), Amdt 26-0  
14 CFR 26.35, Amdt 26-3  
14 CFR 26.47(a)(c)(d)(e), Amdt 26-1

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