

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

*Number* ST10973SC

*This Certificate issued to* BHE & Associates, Ltd.  
12002 Warfield Dr., Suite 250  
San Antonio, TX 78216

*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 :* A21EA  
*Make :* Bombardier, Inc.  
*Model :* CL-600-2A12; CL-600-2B16

*Description of Type Design Change:* Activation of a high power cabin telecommunication router in accordance with master drawing list 339-00-0001, revision E, dated April 09, 2010, or later approved FAA revision. Airplane flight manual supplement, document 339-00-0016, revision IR, dated April 05, 2010, or later approved FAA revision, is required.

*Limitations and Conditions:* The installer must determine whether this design change is compatible with previously approved modifications. 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.

(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:* December 11, 2009

*Date reissued:*

*Date of issuance:* April 28, 2010

*Date amended:*



*By direction of the Administrator*

(Signature)

S. Frances Cox  
Manager, Special Certification Office  
Southwest Region

(Title)

United States Of America  
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**Supplemental Type Certificate**  
(Continuation Sheet)

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(Continuation Sheet)

*Number* ST10973SC

Date of Issuance: April 28, 2010

*Limitations and Conditions:* (Continued):

The installer must verify that the airplane meets the configuration requirements contained in BHE & Associates document 339-00-0025, "Requirements for the Installation of an AirCell Axxess II System w/ WIFI", revision C, dated April 09, 2010, or later FAA approved revision.

*Certification Basis:* Based on 14 CFR §§ 21.115 and 21.101(b)(1), and FAA Order 8110.48, the certification basis for the Bombardier CL-600-2A12 and CL-600-2B16 modified by the installation of an AirCell WiFi cabin router is as follows:

- a. The type certification basis for Bombardier CL-600-2A12 and CL-600-2B16 airplanes is shown on TCDS A21EA for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of applications, December 11, 2009, is based upon part 25 as amended by Amendment 25-129.

Based on 14 CFR § 21.115 and 21.101(b)(1), and FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-129**

14 CFR § 25.1, 25.2, 25.29, 25.301(a)(b)(c), 25.303, 25.305 (a)(b), 25.307 (a), 25.341 (a), 25.561 (a)(d), 25.601, 25.603, 25.605 (a), 25.609 (a), 25.613 (a)(b), 25.789, 25.1307 (c), 25.1351 (a), 25.1431, 25.1529, 25.1541, 25.1555 (a), 25.1581, 25.1583 (h), and 25.1585 (a).

**Regulations at an intermediate amendment**

14 CFR § 25.869 (a)(4) Amendment 25-72  
14 CFR § 25.1353 (a)(c) Amendment 25-113  
14 CFR § 25.981 (a)(3) Amendment 25-102

**Regulations at the amendment level in TCDS A21EA**

14 CFR § 25.1301, 25.1309 and, 25.1357 (a)(c)

- End -