

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

*Number* ST01145WI

*This certificate issued to*

Kohlman Systems Research, Inc.  
319 Perry Street  
Lawrence, KS 66044

*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:* Canadair, Bombardier Inc.

*Model:* CL-600-1A11; Serial Numbers 1046 and 1038

*Description of Type Design Change:* Reduced

Vertical Separation Minimum (RVSM) non-group (individual) airworthiness approval of specific Bombardier Challenger CL-600-1A11 aircraft in accordance with Kohlman Systems Research Document Nos. R02-528, Rev. "--", dated December 31, 2002 (for S/N 1046) or 0504602, Rev. "Original", dated May 6, 2005 (for S/N 1038).

*Limitations and Conditions:*

1. Incorporation of U.S. STC ST00977WI is a pre-requisite for this STC, and must include IS&S configuration modules 9B-03508-77 (Pilot) and 9B-03508-75 (Copilot).
2. The appropriate Instructions for Initial and Continued Airworthiness for Bombardier Model CL600-1A11 "Challenger" Aircraft Qualified for Operations in RVSM Airspace, called out on Kohlman Systems Research Document No. MDL1014, Master Drawing List CL-600-1A11 Non-group RVSM, Rev. "OR", dated May 25, 2005, (or later FAA Approved revision) is a required part of this STC.

**(See continuation sheet 2 of 2, for Additional Limitations and Conditions)**

*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 16, 2002

*Date reissued:*

*Date of issuance:* February 12, 2003

*Date amended:* July 11, 2005



*By direction of the Administrator*

(Signature)

Harvey E. Nero  
FAA Program Manager  
Wichita Aircraft Certification Office

(Title)

United States of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST01145WI

Date of Issuance: February 12, 2003, Amended July 11, 2005

*Limitations and Conditions: (Continuation)*

3. The appropriate FAA Approved Airplane Flight Manual Supplement, called out on Kohlman Systems Research Document No. MDL1014, Master Drawing List CL-600-1A11 Non-group RVSM, Rev. "OR", dated May 25, 2005, (or later FAA Approved revision), is required to be on board during operation of the aircraft in RVSM airspace.
4. This approval is limited to the Bombardier Challenger CL-600-1A11; Serial Numbers 1046 and 1038 only. Descriptive data pertaining to this design change are considered inadequate for duplication on other products.
5. Compatibility of this design change with previously approved modifications must be determined by the installer.
6. If the holder agrees to permit another person to use this certificate, the holder shall give the other person written evidence of the permission.
7. A copy of this certificate must be maintained as part of the permanent records of the aircraft.