



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00841DE

This certificate issued to: Learjet Inc.
One Learjet Way
Wichita, KS 67209

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
Model: CL-600-2B16

Description of Type Design Change:

Installation of Automatic Dependent Surveillance – Broadcast (ADS-B) Out functionality using the Rockwell Collins TDR-94D Enhanced Surveillance Mode S Transponders paired with the Rockwell Collins GPS-4000S WAAS GPS Receivers, plus installation of the IOC-4000 in accordance with the Bombardier *Master Data List*, Document No. BAS63010136, Rev D, dated October 5, 2016, or later FAA-approved revision.

Limitations and Conditions (continued on Page 3):

1. Aircraft to be operated in accordance with AFMS BAS63040223 Revision NC, dated November 28, 2016 or later FAA approved revision.
2. Aircraft with this STC installed shall be maintained in accordance with the Instructions for Continued Airworthiness document BAS63050061, Revision NC, dated July 12, 2016 or later FAA accepted revision unless other methods, techniques, and practices for maintaining this STC have been accepted by the FAA.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: May 5, 2016 Date Reissued: March 8, 2017, November 21, 2017
Date of Issuance: December 16, 2016 Date Amended:

By Direction of the Administrator

Signature Original signed by Ben Tyson
Ben Tyson
Title: Program Manager, Wichita ACO Branch

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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Supplemental Type Certificate

(Continuation Sheet)

Number: ST00841DE

Date Issued: December 16, 2016

Reissued: March 8, 2017, November 21, 2017

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this 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 and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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Supplemental Type Certificate

(Continuation Sheet)

Number: ST00841DE

Date Issued: December 16, 2016

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Limitations and Conditions (continued from Page 1):

3. The installation must not be incorporated in any aircraft unless the installer determines that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.
4. The Input/Output Concentrator installed by this STC is limited to the Rockwell Collins IOC 4000 (P/N 622-9814-731).
5. The ADS-B Out function of this STC is limited to installations in which the Rockwell Collins TDR-94D (P/N 622-9210-501) is directly connected to the Rockwell Collins GPS-4000S (P/N 822-2189-004, -006, -007, -010, or -011).
6. This STC is NOT allowed on installations in which the Rockwell Collins TDR-94D (P/N 622-9210-501) receives position data from the Rockwell Collins GPS-4000S (P/N 822-2189-004, -006, -007, -010, or -011) indirectly via an Input/Output Concentrator or other such device.
7. This STC does not approve the Rockwell Collins GPS-4000S to be used for navigational purposes. Use of the Rockwell Collins GPS-4000S for navigation or other non-ADS-B Out purposes must be approved via a separate FAA approval.
8. This STC does not approve the installation or upgrade of any antenna.
9. 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.
10. A copy of this certificate must be maintained as part of the records of the altered aircraft.

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).
