

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

Number ST11032SC

This Certificate issued to Learjet, Inc.
1255 E. Aero Park Blvd.
Tucson, AZ 85756

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part of the Regulations.

Original Product Type Certificate Number : [See Attached FAA Approved
Make : Model List (AML) for list of approved models and
Model : Applicable airworthiness regulations]

Description of Type Design Change: Installation of a wireless cabin telecommunications router in accordance with master document list 193-347000-MDL, revision B, dated September 20, 2010, or later approved FAA revision.

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. This system is intended to provide internet connection and email services using portable electronic devices (PEDs). Any other intended function of this equipment will require a re-examination of the certification basis.

(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 02, 2010

Date reissued :

Date of issuance : October 06, 2010

Date amended :



By direction of the Administrator

(Signature)
S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

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

Number ST11032SC
Date of Issuance: October 06, 2010

Limitations and Conditions(Continued):

The installer must verify that the airplane meets the configuration requirements contained in Future Jet Aerodesign document 193-347000-AMR, "All Models Report, Aircell CTR with Active Wi-Fi", revision IR, dated September 20, 2010, or later FAA approved revision.

Certification Basis:

See Approved Model List

- End -

**FAA APPROVED MODEL LIST (AML) FOR STC NUMBER ST11032SC
BOMBARDIER/LEARJET INC.
FOR INSTALLATION OF AN AIRCELL CTR WITH ACTIVE WI-FI**

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATION NUMBER (TCDS)	MASTER DOCUMENT LIST	ICA NUMBER REV/DATE	AML AMENDMENT DATE
1	Bombardier	CL-600-2A12 (CL-601) CL-600-2B16 (601-3A Variant) CL-600-2B16 (601-3R Variant) CL-600-2B16 (CL-604 Variant)	A21EA, Rev. 28 March 04, 2010	193-347000-MDL Revision B September 20, 2010	193-347000-ICA Revision IR August 19, 2010	N/A
2	Bombardier	BD-700-1A10, BD-700-1A11	T00003NY Rev. 15 December 18, 2008	193-347000-MDL Revision B September 20, 2010	193-347000-ICA Revision IR August 19, 2010	N/A
3	Bombardier	BD-100-1A10	T00005NY Rev. 6 October 02, 2007	193-347000-MDL Revision B September 20, 2010	193-347000-ICA Revision IR August 19, 2010	N/A

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 application, June 2, 2010, 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 following amendments: (indicated in [X])

14 CFR § 25.301[0], 25.303[23], 25.305(a)(b)(3)[23], 25.307(a)[23], 25.321[0], 25.341[0], 25.561(c)[0], 25.601[0], 25.603[0], 25.605(a)[0], 25.607[0], 25.609[0], 25.581(b)(1)[23], 25.981(a)(b)[102], 25.1357(a)(b)(c)[0], 25.1301(a)(b)(c)(d)[0], 25.1309(a)(b)(c)(d)[0], 25.1431(a)(c)[0], 25.1351(a)(1)[41]

The certification basis for the Bombardier BD-700-1A10 and BD-700-1A11 modified by the installation of an AirCell WiFi cabin router is as follows:

- a. The type certification basis for Bombardier BD-700-1A10 and BD-700-1A11 airplanes is shown on TCDS T00003NY 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 application, June 2, 2010, 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 following amendments: (indicated in [X])

14 CFR § 25.301[0], 25.303[23], 25.305(a)(b)(3)[23], 25.307(a)[23], 25.321[0], 25.341[0], 25.561(c)[0], 25.601[0], 25.603[0], 25.605(a)[0], 25.607[0], 25.609[0], 25.581(b)(1)[23], 25.981(a)(b)[102], 25.1357(a)(b)(c)[0], 25.1301(a)(b)(c)(d)[0], 25.1309(a)(b)(c)(d)[0], 25.1431(a)(c)[0], 25.1351(a)(1)[41]

The certification basis for the Bombardier BD-100-1A10 modified by the installation of an AirCell WiFi cabin router is as follows:

- a. The type certification basis for Bombardier BD-100-1A10 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 application, June 2, 2010, 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 following amendments: (indicated in [X])
14 CFR § 25.301[0], 25.303[23], 25.305(a)(b)(3)[23], 25.307(a)[23], 25.321[0], 25.341[0], 25.561(c)[0], 25.601[0], 25.603[0], 25.605(a)[0], 25.607[0],
25.609[0], 25.581(b)(1)[23], 25.981(a)(b)[102], 25.1357(a)(b)(c)[0], 25.1301(a)(b)(c)(d)[0], 25.1309(a)(b)(c)(d)[0], 25.1431(a)(c)[0], 25.1351(a)(1)[41]

FAA Approved:  date OCT 06 2010
Fran Cox
Manager, Special Certification Office ASW-190
Fort Worth, Texas

Date Issued:
Date Amended: