

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

Number ST04138CH

This certificate issued to

Constant Aviation LLC
5211 Secondary Rd.
Cleveland, OH 44135

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. (See Page 3 for complete certification basis)

Original Product-Type Certificate Number: T00011AT

Make: Embraer S. A.

Model: EMB-135BJ (Legacy 600 and Legacy 650)

Description of Type Design Change:

Installation of Datalink Communications System supporting Air Traffic Services (ATS) using Iridium Satcom, and upgrade to Honeywell MK-III Communications Management Unit (CMU) for CPDLC Capabilities and CVR 120A for data link recording in accordance with Constant Aviation LLC Master Data List Doc. No. DB1503020, Revision A, dated September 2, 2016, or later FAA approved revision.

Limitations and Conditions:

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) FAA Approved Flight Manual Supplement, Constant Aviation Report No. DB1503023, Revision IR, FAA approved September 30, 2016, or later FAA approved revision, is required.

(Continued on page 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: May 6, 2015

Date reissued:

Date of issuance: October 3, 2016

Date amended:



By direction of the Administrator

(Signature)

Steven L. Lardinois
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

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

Number ST04138CH

Date Issued: October 3, 2016

Limitations and Conditions (Continued from page 1):

- 3) FAA Approved Flight Manual Supplement, Constant Aviation Report No. DB1609001, Revision IR, FAA approved September 30, 2016, or later FAA approved revision, is required.
- 4) FAA approved Instructions for Continued Airworthiness, Constant Aviation Document DB1503022, revision IR, Section 15.0, Airworthiness Limitations, FAA Approved September 29, 2016 or later FAA approved revision is required.
- 5) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

Certification Basis:

Based on 14 CFR §§21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the EMB-135BJ Legacy 600 and Legacy 650 aircraft is as follows:

- a. The type certification basis for the EMB-135BJ Legacy 600 and Legacy 650 aircraft is shown on TCDS T00011AT for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, May 6, 2015, is based on TCDS T00011AT and §§ 14 CFR Part 25.

EMB-135BJ Legacy 600 aircraft

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the EMB-135BJ Legacy 600 baseline modification was determined to be TCDS T00011AT with the following exceptions using later amendments:

25.305 amendment 25-86, 25.321(a) amendment 25-85, 25.365 amendment 25-87, 25.561 amendment 25-91, 25.1301 amendment 25-123, 25.1317 amendment 25-122, 25.1353 amendment 25-123, 25.1357 amendment 25-123, 25.1431 amendment 25-113, 25.1583 amendment 25-105 and 25.1585 amendment 25-105.

EMB-135BJ Legacy 650 aircraft

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the EMB-135BJ Legacy 650 baseline modification was determined to be TCDS T00011AT.

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