

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

*Number* ST03889AT

*This certificate issued to*

Constant Aviation LLC  
4243 East Lake Blvd.  
Birmingham, AL 35217

*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:* T00011AT  
*Make:* Embraer  
*Model:* EMB-135BJ, EMB-135ER, EMB-135LR

*Description of Type Design Change:*

Installation of Aircell Axxess Cabin Telecommunication Router (CTR) with Wireless Local Area Network (WLAN) in accordance with Constant Aviation LLC Master Drawing List DB1002058, Revision E, dated November 22, 2011, or later FAA approved revision.

*Limitations and Conditions:* This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determine by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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. FAA Approved Airplane Flight Manual Supplement, Document Number DB1002060, Revision B, dated December 20, 2011 is a required part of this STC, or later FAA approved revisions.

*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 20, 2010

*Date reissued:*

*Date of issuance:* October 22, 2010

*Date amended:* May 4, 2011, December 20, 2011



*By direction of the Administrator*

(Signature)

Melvin D. Taylor  
Manager  
Atlanta Aircraft Certification Office

# Supplemental Type Certificate

(Continuation Sheet)

*Number* ST03889AT

Instructions for Continued Airworthiness (ICA), Constant Aviation LLC Document Number DB1002059, Revision A, dated October 15, 2010, and Instructions for Continued Airworthiness (ICA), Constant Aviation LLC Document Number DB1103015, Revision A, dated November 21, 2011 or later FAA accepted revision must be made available to the operator at the time of installation.

*Certification Basis:*

Data pertinent to the EMB-135BJ, EMB-135ER and EMB-135LR Models:

The Certification Basis for this installation is per Type Certificate Data Sheet T00011AT original Certification Basis, Federal Aviation Regulation (FAR) Part 21, including Amendments through 21-74, effective March 12, 1997; Part 25 including Amendments through 25-84; 25-85; FAR 25.1517 from 25-86; 25-88; 25-90; Far 25.331, 25.335(b)(2), 25.345, 25.351, 25.363, 25.371, 25.415, 25.491, 25.499 and 25.561 from 25-91; 25-93; FAR 25.807 from 25-94, and 25-97, plus the following:

25.1357 [25-123]	25.1431 [25-113]
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[-] Indicates amendment level

Data Pertinent to the EMB-135BJ Model Only:

Part 25 25-571(e)(1) of Amendment 25-96, Amendment 25-98

Data Pertinent to the EMB-135ER, and EMB-135LR Model Only:

Part 26 26.11(c)(1)(2)[ORIG], and 26.47 (a)(b)(c)

[-] Indicates amendment level

## 14 CFR Part 26 Regulations

Based on 14 CFR §21.101(g), applicable provision of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulation: 14 CFR §26.11.

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