

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA04171AT

*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 herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

*Original Product Type Certificate Number:* A59CE  
*Make:* Embraer S.A.  
*Model:* EMB-500

*Description of Type Design Change:*

Installation of Thrane and Thrane Aviator 200 Swiftbroadband System with Wireless Local Area Network (WLAN) in accordance with Constant Aviation LLC, Master Drawing List DB1309002, Revision B, dated July 20, 2014, 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 DB1309005, Revision IR, dated August 27, 2014 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:* June 20, 2013

*Date revised:*

*Date of issuance:* August 27, 2014

*Date amended:*



*By direction of the Administrator*

*Melvin D. Taylor*  
\_\_\_\_\_  
(Signature)

Melvin D. Taylor  
Manager  
Atlanta Aircraft Certification Office

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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.

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### TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number \_\_\_\_\_

to *(Name of transferee)* \_\_\_\_\_

*(Address of transferee)* \_\_\_\_\_

*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

from *(Name of grantor)* *(Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_

*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA04171AT

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

Instructions for Continued Airworthiness (ICA), Constant Aviation LLC Document Number DB1309004, Revision IR, dated February 10, 2014, or later FAA accepted revision must be made available to the operator at the time of installation.

*Certification Basis:*

The Certification Basis for this installation is per Type Certificate Data Sheet A59EU original Certification Basis. Part 23 of Title 14 of the Code of Federal Regulations effective February 1, 1965, as amended by Amendments 23-1 through 23-55.

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