



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00007IB

This certificate issued to: Embraer Engineering & Technology Center, USA, Inc.
1400 General Aviation Drive
Melbourne, FL 32935

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: A31SO Make: Embraer
Model: EMB-120, EMB-120RT, EMB-120ER, EMB-120FC,
EMB-120QC

Description of Type Design Change:

Installation of a Honeywell Mode S Transponder model MST 67 and TCAS II model CAS 81, in accordance with Master Document List Number TR0094, Revision F, dated September 18, 2008, or later FAA approved revisions. This STC was originally issued as a validation of Brazilian CST (STC) No. 2008S10-02, and transferred to a United States based Design Approval Holder (DAH) on October 10, 2019.

Limitations and Conditions:

1. The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.
2. 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.

Continued on Page 3

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: 09/18/2018

Date Reissued: 10/10/2019

Date of Issuance: 11/08/2018

Date Amended:

By Direction of the Administrator

Signature _____

Title: (for) Christina M. Underwood
Manager, Atlanta 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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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: ST000071B

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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(Continuation Sheet)

STC Number: ST000071B

Limitations and Conditions: (Continued from Page 1)

3. Required markings and placards at the circuit breaker panel:
 - In close proximity to the 1 A circuit breaker: “**FAN**”;
 - In close proximity to the 1 A circuit breaker: “**XPDR/TCAS CTL**”;
 - In close proximity to the 3 A circuit breaker: “**VSI 1**”;
 - In close proximity to the 3 A circuit breaker: “**VSI 2**”;
 - In close proximity to the 5 A circuit breaker: “**XPDR 1**”;
 - In close proximity to the 10 A circuit breaker: “**TCAS**”.
4. Operation must be performed in accordance with ANAC approved Airplane Flight Manual Supplement (AFMS) document number H.02-2914-0/ANAC/2008, Revision I.R., dated October 10, 2008, or later FAA approved revision.
5. A copy of this Certificate and the Supplement referred to in item 4 above shall be maintained as part of the permanent records of the modified aircraft.
6. Prior ANAC and/or FAA accepted or approved versions of the aforementioned documents can be used to sustain existing installations.

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