



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST03880AT

This certificate issued to: Thales Avionics Inc.
58 Discovery
Irvine, CA 92618

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: Make: EMBRAER
A57NM Model: ERJ 190-100/-200 Series

Description of Type Design Change:

Installation of LiveTV ISV System in accordance with Master Drawing List (MDL) 190N8001-MDL Rev E dated March 20, 2012 or later FAA approved revisions.

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 determined 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 190N8002-AFM, Revision IR, dated March 21, 2012 is a required part of this STC, or later FAA approved revisions.

1. Instructions for Continuing Airworthiness for the ERJ190-100/-200 model with configuration 190V3001-101 and -103: 190N8001-NCA Rev IR, dated July 12th, 2010 or later FAA approved revision.
2. Instructions for Continuing Airworthiness for the ERJ190-100/-200 model with configuration 190V3001-105: 190N8002-NCA Rev A, dated March 16th, 2012 or later FAA approved revision.

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:	June 28 th , 2010	Date Reissued:	March 24, 2016
Date of Issuance:	September 17 th , 2010	Date Amended:	March 21, 2012

By Direction of the Administrator

Signature _____
Title Manager, Atlanta Aircraft Certification Office

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:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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(Continuation Sheet)

Number: ST03880AT

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 Embraer ERJ 190-100/-200 series aircraft is as follows:

- a. The type certification basis for the Embraer ERJ 190-100/-200 series airplane is shown on TDCS A57NM 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 28, 2010 is based upon part 25 as amended by amendment 25-123. 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 this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-123:

Table listing FAR regulations: FAR 25.301, FAR 25.303, FAR 25.305, FAR 25.307, FAR 25.601, FAR 25.603, FAR 25.605, FAR 25.785, FAR 25.853, FAR 25.899, FAR 25.1301*, FAR 25.1309**, FAR 25.1351, FAR 25.1353, FAR 25.1357, FAR 25.1360, FAR 25.1423, FAR 25.1431, FAR 25.1519, FAR 25.1529, FAR 25.1581

*Not Including (b)

**Not Including (f)

Regulations at the latest amendment 26-0 through 26-1:

FAR 26.11 FAR 26.47

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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