

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

*Number* ST04149AT

*This certificate issued to* Avionics Support Group  
13155 SW 132<sup>nd</sup> Avenue  
Miami, FL 33186

*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:* 145

*Description of Type Design Change:* Installation of a Constant Friction Mount, Cradle and Integrated Power Supply on Embraer 145 series aircraft and associated hardware in accordance with Master Drawing List 212036-MDL, Revision C, dated February 19, 2014 or later FAA approved drawing 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 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.

Limitations and Conditions continued on page 3 of 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:* February 15, 2013

*Date reissued:* April 2, 2014

*Date of issuance:* March 25, 2014

*Date amended:*

*By direction of the Administrator*



(Signature)

Melvin D. Taylor  
Manager,  
Atlanta Aircraft Certification Office

(Title)

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

*Number* ST04149AT

Instructions for Continued Airworthiness (ICA), Avionics Support Group Document No. 212036-ICA, Rev. A, dated November 12, 2013, or later FAA accepted revision must be made available to the operator at the time of installation. Airplane Flight Manual Supplement (AFMS), Avionics Support Group Document No. 212036-FMS, IR, date March 25, 2014 is a required part of this STC.

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 Embraer ERJ 145 aircraft is as follows:

- a. The type certification basis Embraer 145 aircraft is shown on TCDS T00011AT 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, February 15, 2013 is based upon Part 25 as amended by Amendment 25-136. 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 25-136**

25.29, 25.301, 25.303, 25.305(a)(b)1, 25.307(a), 25.561, 25.601, 25.603, 25.605, 25.609, 25.611, 25.613, 25.789(a), 25.1301(a) 2 3, 25.1307(c), 25.1309, 25.1351(a), 25.1353(a), 25.1357(a), 25.1360, 25.1431(a)(c), 25.1529, 25.1541(a), 25.1581

**Regulations at an intermediate amendment**

none

**Regulations at the amendment level in TCDS T00011AT**

**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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