

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

*Number* ST01984LA-D

*This Certificate issued to* C&D Zodiac, Inc.  
5701 Bolsa Ave.  
Huntington Beach, CA 92647

*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. \*Certification basis set forth on continuation page 3.*

*Original Product Type Certificate Number :*

T00011AT

*Make :*

Empresa Brasileira de Aeronautica S. A. (EMBRAER)

*Model :*

EMB-145LR, EMB-145XR

*Description of Type Design Change:* Modification and installation of passenger seats, passenger service units and filler panels, seat track covers, and seat row placards in accordance with FAA Approved Master Drawing List, Revision B671000, Revision A, dated October 22, 2008, or later FAA Approved Revisions.

*Limitations and Conditions:* 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. A copy of this STC must be included in the permanent record of the modified aircraft. 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)

*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 :* August 6, 2008

*Date reissued :*

*Date of issuance :* October 28, 2008

*Date amended :* February 25, 2009

*By direction of the Administrator*



(Signature)

DAS Administrator, DAS-606394-NM

(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

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**Supplemental Type Certificate**  
(Continuation Sheet)

NOTE:

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* ST01984LA-D

*Certification Basis:*

Based on 14 CFR §§ 21.115 and 21.101 for non-significant changes to type design, the certification basis elected by the STC holder for the modifications and installations to EMB-145LR and EMB-145XR airplanes modified by this change is as follows.

- a. The type certification basis for Embraer Model EMB-145LR and EMB-145XR airplanes is shown in TCDS T00011AT for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by this change as of the reference date of application, August 6, 2008, is based on part 25 as amended by Amendment 25-123. Based on 14 CFR §§ 21.115 and 21.101, the certification basis for this modification was elected to be:

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

25.613(a)-(c); 25.785(a)-(c), (d)(2), (f)(1), (f)(2), (h)(2), (i)-(k); 25.812(e); 25.813(c); 25.853(a), (c)-(e); 25.1353(a), (d); 25.1357(a), (c), (d); 25.1360(a); 25.1423(a), (c); 25.1447(a), (c)(1); 25.1703(a), (b), (d); 25.1705-25.1711; 25.1715-25.1719; 25.1721(b), (c); 25.1729.

**Regulations at an intermediate amendment**

25.869(a)(4) Amendment 25-113.

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

25.23(a), (b); 25.301(a)-(c); 25.303; 25.305(a)-(c); 25.307(a), (d); 25.561(a)-(d); 25.562(a), (b), (c)(2), (c)(4)-(c)(8); 25.601; 25.603(a)-(c); 25.605(a), (b); 25.607(a)-(c); 25.609(a); 25.611; 25.619(a)-(c); 25.625(a)-(d); 25.789(a); 25.791(a), (b), (e); 25.815; 25.817; 25.1301; 25.1309(a), (b); 25.1351(a); 25.1441(a), (b); 25.1445(a)(1); 25.1450(a), (b)(1); 25.1529; 25.1541.

**Part 26 regulations**

26.11; 26.47 (does not affect or create fatigue critical structure).

*Limitations and Conditions (continued):*

This modification may not be installed after August 30, 2010 unless (1) previously approved Electrical Wiring Interconnection System (EWIS) Instructions for Continued Airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS ICA have been approved by the Los Angeles Aircraft Certification Office. (Refer to § 26.11).

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