

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

*Number* ST02267CH

*This certificate issued to* EAD Inc.  
13134 W 159th Street  
Homer Glen, IL 60491

*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.* See Page 3 of 3 for complete certification basis.

*Original Product -- Type Certificate Number :* A20WE  
*Make :* The Boeing Company  
*Model :* 747-400 Series

*Description of Type Design Change:*

Installation of an onboard Honeywell Weight and Balance System (WBS) in accordance with EAD Aerospace Master Data List, Doc. No. 01021-FAA-A-MDL, Revision E, dated March 31, 2006, or later FAA approved revision.

*Limitations and Conditions:*

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) This onboard weight and balance system is considered an advisory system and is not certified as the primary means of calculating the aircraft's weight and balance.
- 3) FAA Approved Airplane Flight Manual Supplement, EAD Aerospace Doc. No. 01021-FAA-A-AFM-01, Revision D, approved March 31, 2006, or later FAA approved revision, is required on board the aircraft.
- 4) 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.

*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 :* September 6, 2005

*Date reissued :*

*Date of issuance :* March 31, 2006

*Date amended :*

*By direction of the Administrator*



(Signature)

Charles L. Smalley  
Manager, Systems and Flight Test Branch  
Chicago Aircraft Certification Office

(Title)

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

*Number* ST02267CH

*Date of issuance* : March 31, 2006

*Certification Basis:*

The certification basis for the changed Boeing 747-400 Series as described in this certificate is as follows:

- a. The type certification basis for the Boeing 747-400 Series is shown on TCDS A20WE for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, September 6, 2005, is shown on TCDS A20WE.

In addition, the applicant has voluntarily complied with 14 CFR Part 25 as amended by Amendment 25-117.

**Regulations at the latest amendment 25-0 through 25-117**

25.1; 25.301(a)-(c); 25.303; 25.305(a)-(c); 25.307(a); 25.561(c)-(d); 25.601; 25.603(a)-(c); 25.605(a)-(b); 25.607(a)-(c); 25.609(a)-(b); 25.611; 25.613(a)-(e); 25.619(a)-(c); 25.625(a); 25.869(a); 25.981(a); 25.1301(a)-(d); 25.1307(c); 25.1309(a)-(d), (g); 25.1351(a); 25.1353(a)-(b), (d); 25.1357(a), (c); 25.1431(a)-(d); 25.1501(a)-(b); 25.1529; 25.1581(a)-(b), (d); 25.1583(a)-(f), (h)-(i); 25.1585(a)-(e).

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