

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

Number  
ST10402SC-D

This certificate, issued to  
The Boeing Company, Wichita Division  
P. O. Box 7730  
Wichita, Kansas 67277-7730

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 2 of 2 Continuation Sheet)

Original Product--Type Certificate Number: A20WE  
Make : Boeing  
Model : 747-200B (E-4A, E-4B)

Description of Type Design Change: Installation of Senior Leadership Communication System (SLCS) [wideband satellite communication subsystems, group viewing subsystems, local area network subsystems and high speed data subsystems] in accordance with Boeing Master Data List D226-38762-1, Revision G, dated April 22, 2005, and Boeing Document D3-8857, Section V, Appendix 100, Revision HF; or later FAA Approved Revisions.

Limitations and Conditions: (See Page 2 of 2 Continuation Sheet)

1. This approval should not be incorporated in any aircraft of this specific model on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modifications will not introduce any adverse effect upon the airworthiness of the airplane.
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.

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 : June 6, 2003

Date reissued : January 25, 2006

Date of issuance : April 27, 2005

Date amended : April 17, 2006

By direction of the Administrator

(Signature on File)

(Signature)

JR Brownell

DAS-501296-CE Administrator

(Title)



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(Continuation Sheet)  
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Part 25 of the Federal Aviation Regulations: (Continued)

1. As defined in Type Certificate Data Sheet No. A20WE, Revision 35, starting on Page 11.
2. Voluntary compliance has been found relative to the following regulations:
  - a. Amendment 25-23, effective May 8, 1970 [25.301(a)(b)(c); 25.303; 25.471; 25.607; 25.611; 25.619]
  - b. Amendment 25-38, effective February 1, 1977 [25.1385(a)]
  - c. Amendment 25-41, effective September 1, 1977 [25.1309(a)(b)(d)(e)(g)]
  - d. Amendment 25-42, effective March 1, 1978 [25.1353(a)(b)]
  - e. Amendment 25-46, effective December 1, 1978 [25.603; 25.605; 25.789(a)]
  - f. Amendment 25-51, effective March 6, 1980 [25.787(a)(b)]
  - g. Amendment 25-54, effective September 11, 1988 [25.365(a)(d)(e)(g); 25.571(a)(c); 25.1529]
  - h. Amendment 25-72, effective August 20, 1990 [25.21(a)(d); 25.29; 25.307(a)(d); 25.613(a)(b)(c)(d); 25.625; 25.869(a); 25.1307(c); 25.1351(a1); 25.1401(a1)(b); 25.1419(a)]
  - i. Amendment 25-80, effective May 31, 1994 [25.1316]
  - j. Amendment 25-86, effective March 11, 1996 [25.305(a)(b)]
  - k. Amendment 25-91, effective July 29, 1997 [25.561(a)(b3)(c)]
  - l. Amendment 25-102, effective June 6, 2001 [25.981]
  - m. Amendment 25-105, effective July 26, 2001 [25.1583(c1)(c2)]

Limitations and Conditions: (Continued)

3. Other military modifications may have been installed on the aircraft which are not part of this Supplemental Type Certificate. These installations do not conform to FAA Approved type design, but may have been accepted by the military Airworthiness Authority for operation by the United States Department of Defense. These installations are shown on FAA Form 8130-2, Conformity Certificate – Military Aircraft, dated April 27, 2005 or later. All non-conformances to FAA approved type design must be removed, or FAA approved, prior to returning the aircraft to civil registration with a standard airworthiness certificate.
4. This approval is limited to Boeing Model 747-E4A (Serial Numbers 20682, 20683, and 20684) and Boeing Model 747-E4B (Serial Number 20949).
5. This STC approval is for the existing configuration as defined by the approved drawing list and later FAA approved minor change which have been reviewed and approved by the appropriate DAS-501296-CE staff members.
6. Installation of this STC modification must be accomplished at the Boeing Wichita Repair Station PI2R084L utilizing Boeing Planning Paper as Installation Instructions. FAA approved changes to this STC may be installed at locations other than Boeing Wichita Repair Station if the changes are prepared in the form of kit engineering and include adequate installation instructions.
7. Concurrent installation of AIU STC ST10404SC-D is required.

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END  
April 17, 2006