

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

Number
SA2119CE-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 Type Certificate Data Sheet A20WE and Page 3 of 3 Continuation Sheet)

Original Product--Type Certificate Number: A20WE

Make : Boeing
Model : 747-2G4B

Description of Type Design Change:

Installation of an executive interior with support accommodations in accordance with Boeing Drawing Installation list shown in Boeing Document D3-8857, Section V, Appendix 27, Revision CJ or later FAA approved revision, which includes the Following:

1. Executive interior and related support systems
2. Mission Communication System (MCS)
3. Secondary electrical power system
4. Self Defense System
5. Environmental control system for passenger areas and MCS
6. Aerial Refueling System
7. Addition of two lower lobe doors and airstairs
8. Internal stairways from main deck to lower lobes
9. Additional avionics consisting of audio, navigation and communication systems
10. Replace Legacy Intercommunication System (ICS) with Digital ICS

Limitations and Conditions: (See Page 2 of 3 Continuation Sheets)

1. This approval shall 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 aircraft.

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 20, 1987

Date of issuance : August 15, 1990

Date reissued :

Date amended : July 11, 2007 (See Note 1 on Page 3 of 3 Continuation Sheet)



By direction of the Administrator

David J. Horn
(Signature)

David J. Horn
DAS-501296-CE Administrator

(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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Limitations and Conditions: (Continued)

2. This modification requires FAA approved Boeing Commercial Airplane Group, Wichita Division, Airplane Flight Manual Supplement dated August 15, 1990 (S/N 23824) and December 10, 1990 (S/N 23825) or later FAA approved revision; DDS-33747.2G4-174.01 dated June 22, 2007 (SN's 23824, 23825) or later FAA approved revision.
3. This modification installs several features which are nonconformities to type design and have been accepted by the customer for mission requirements. These features are shown on FAA Form 8130-2, Conformity Certificate - Military Aircraft, dated August 15, 1990 (S/N 23824) and December 17, 1990 (S/N 23825) or later dated forms and are for public use aircraft only. All nonconformities must be corrected prior to returning the aircraft to a standard airworthiness category.
4. Installation of HF3 and HF4 radio equipment using the provisions provided by this Supplemental Type Certificate is not approved.
5. Removal of deactivation components as shown on FAA Form 8130-2 dated August 15, 1990 (S/N 23824) and December 17, 1990 (S/N 23825) (Items 3 and 4 on both aircraft) which activates the aerial refueling system for operational use is not approved.
6. For carriage of passengers, two additional flight attendants are required during take-off and landing to occupy passenger seats designated as IPSS1 and IPSS9 as shown in Boeing Document D6-35692, Revision A or later FAA approved revision.
7. For carriage of passengers, one additional crew member is required who is trained to fight inflight fires in the lower lobe cargo compartments. This crew member may be one of the crew members specified in Number 6 above.
8. Equivalent safety findings exist with respect to regulation 25.1447(c).
9. This approval is limited to the airplanes listed on Page 3 of 3 of the Continuation Sheets.
10. This STC approval is for configuration as defined by the approved drawing list or later FAA approved minor changes.

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Part 25 of the Federal Aviation Regulations: (Continued)

1. Equivalent safety finding with respect to FAR 25.1447(c); Reference FAA Wichita Aircraft Certification Office Letter to Boeing dated July 25, 1990.
2. Compliance has been shown with FAR part 36 through Amendment 36-17 (S/N 23824) and through Amendment 36-18 (S/N 23825) for Stage 3 noise level requirements.
3. Voluntary compliance has been shown with respect to the following Regulations:

14 CFR part	Amendment Level	Original STC	Post STC
25.783(j)	Amendment 25-54 effective October 14, 1980	X	
25.812 (all except [h])	Amendment 25-58, effective November 26, 1984	X	
25.853	Amendment 25-59, effective November 26, 1984	X	
25.301; 25.303; 25.305(a)(b)(c); 25.471; 25.561; 25.607; 25.611, 25.773(a); 25.1321	Amendment 25-23, effective April 8, 1970		X
25.787; 25.1359(d)	Amendment 25-32, effective May 1, 1972		X
25.1501(b)	Amendment 25-42, effective March 1, 1978		X
25.603; 25.605; 25.789(a)	Amendment 25-46, effective October 30, 1978		X
25.307(a)(c)(d)	Amendment 25-54 effective October 14, 1980		X
25.853(a)(b)	Amendment 25-59, effective November 26, 1984		X
25.29; 25.613(a)(b)(c)(d); 25.625(a)(b)(c); 25.869(a4); 25.1581(a2)(d)	Amendment 25-72, effective July 20, 1990		X
25.1316(a)(b)(c4)(c5)(c6)(c7)	Amendment 25-80, effective May 31, 1994		X
25.365(a)(b)(d)(e)(g)	Amendment 25-87, effective June 5, 1996		X
25.981(a3)	Amendment 25-102, effective June 6, 2001		X
25.1583(c1)(c2); 25.1585(a)(b)	Amendment 25-105, effective June 26, 2001		X
25.856(a)	Amendment 25-111, effective September 2, 2003		X

LIST OF APPLICABLE AIRPLANES

<u>Aircraft Model</u>	<u>Aircraft Serial Number</u>	<u>Aircraft Variable Tabulation Number</u>
747-2G4B	23824	RD166
747-2G4B	23825	RD167

NOTE 1: This STC has been previously amended on the following dates:
 A. December 17, 1990 B. August 24, 1996 C. April 24, 2005

END
 July 11, 2007