

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

*Number* ST10974SC

*This Certificate issued to* Ases LLC  
6015 S. Portland Avenue  
Oklahoma City, OK 73159

*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 :* T00001SE  
*Make :* The Boeing Company  
*Model :* 777-200 Series; 777-200LR Series; 777-300 Series; 777-300ER Series

*Description of Type Design Change:*

Installation of a Terminal Wireless Local Area Network Unit in accordance with Master Drawing List 4611-B51-MDL, Revision C, dated April 07, 2010, or later FAA approved revision. Airplane Flight Manual Supplement 4611-B51-AFM, Revision IR, dated April 14, 2010, or later FAA approved revision is required.

*Limitations and Conditions :*

(See continuation sheet 3 of 4)

*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 23, 2009

*Date reissued :* December 12, 2012

*Date of issuance :* May 04, 2010

*Date amended :*



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)  
S. Frances Cox, Manager  
Special Certification Office,  
Southwest Region

\_\_\_\_\_  
(Title)

United States Of America  
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**Supplemental Type Certificate**  
(Continuation Sheet)

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Date of Issuance: May 04, 2010  
Reissuance Date: December 12, 2012

*Description of Type Design Change* (Continued):

The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

The FAA has reviewed the applicant's assessment showing that this modification does not impact the existing electrical wiring interconnection system instructions for continued airworthiness (EWIS ICA) and found that no additional EWIS ICA tasks are required.

*Certification Basis:*

Based on 14 CFR Part 21.115 and 21.101(b), and the FAA policy for changes in FAA Order 8110.48, the certification basis for the Boeing 777 airplane is as follows:

- a. The type certification basis for the Boeing Model 777 airplanes is shown on the TCDS T00001SE 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 23, 2009, is based upon part 25 as amended by Amendment 25-129 and 14 CFR part 26.

Based on 14 CFR §§21.115 and 21.101(b), and the FAA policy for changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-129**

25.251(a), 25.305(a)(b), 25.335(a)(b), 25.341(c), 25.365(a)(b)(c)(d), 25.561, 25.571(a)(b), 25.581, 25.613(a)(b)(c), 25.853(a), 25.1357(a)(c)(e), 25.1431(a)(b)(c)(d)

**Regulations at an intermediate amendment**

25.869(a,4) amendment 25-113, 25.981(a)(b) amendment 25-102, 25.1353(a)(b)(c) amendment 25-113, 25.1419(a)(b)(c)(d) amendment 25-121

**Regulations at the amendment level in TCDS T00001SE**

**Model 200**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609(a), 25.611, 25.625(a), 25.789(a), 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541(b), 25.1555, 25.1581, 25.1583, 25.1585

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(Continuation Sheet)

*Number* ST10974SC

Date of Issuance: May 04, 2010  
Reissuance Date: December 12, 2012

*Certification Basis*(Continued):

**Model 200LR**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609, 25.611, 25.625(a), 25.789(a), 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a)(b)(c), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541, 25.1555, 25.1581, 25.1583, 25.1585

**Model 300**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609, 25.611, 25.625(a), 25.789(a), 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a)(b)(c), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541, 25.1555, 25.1581, 25.1583, 25.1585

**Model 300ER**

25.23(a), 25.25(a), 25.27, 25.29(a), 25.301, 25.303, 25.307(a), 25.601, 25.603, 25.605(a), 25.609, 25.611, 25.625(a), 25.789(a), 25.1301(a)(b)(c)(d), 25.1307(c), 25.1309(b)(c)(d)(e,1), 25.1316(b)(c), 25.1322(b)(c), 25.1351(a)(b)(c), 25.1355(a)(c)(e), 25.1381(a)(b), 25.1519, 25.1529, 25.1541, 25.1555, 25.1581, 25.1583, 25.1585

**14 CFR Part 26 regulations**

Based on 14 CFR §21.101(g), applicable provisions 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 regulations 14 CFR §§26.11 and 26.47, (Amdt. No. 26-0, through 26-1).

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