



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST03509NY

This certificate issued to: AVOX Systems  
225 Erie Street  
Lancaster, NY 14086

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.

Original Product – Type Certificate Number:                      Make: Boeing  
A6WE    Model: 717-200 Series

Description of Type Design Change:

1. Installation of the AVOX LavOx Passenger Lavatory Oxygen System. Data required includes:
  - a. Install in accordance with AVOX Systems, Installation Data List, Document # 89567, Revision A, Dated December 3, 2014.
  - b. Maintenance to be performed in accordance with AVOX Systems, Instructions for Continued Airworthiness, Document # 89569, Revision B, Dated January 14, 2015, FAA accepted January 30, 2015.

Limitations and Conditions:

1. Mandatory replacement times and/or inspection intervals are defined in the "Airworthiness Limitations" section of AVOX Systems, Instructions for Continued Airworthiness, Document # 89569, Revision B, Dated January 14, 2015, FAA approved March 4, 2015.
2. ELOS Findings have been made for the following regulations: 14 CFR 25.1441(c) Oxygen equipment and supply, and 14 CFR 25.1443(c) Minimum mass flow of supplement oxygen (documented in TAD ELOS Memo ST07720NY-T-S-1).

(See Limitations and Conditions continued on Page 3 of 3)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

Date of Application: November 10, 2014                      Date Reissued:

Date of Issuance: February 23, 2015                      Date Amended:

*By Direction of the Administrator*

Signature \_\_\_\_\_

Title           Gaetano Sciortino  
                  Manager  
                  New York Aircraft Certification Office

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

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*Supplemental Type Certificate*

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

*Transfer Endorsement*

*Transfer the ownership of Supplemental Type Certificate Number: ST03509NY*

**To** (Name and address of transferee)

**From** (Name and address of grantor)

Extent of Authority (if licensing agreement):

*Date of transfer:*

*Signature of grantor:* \_\_\_\_\_

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST03509NY

Date of Issuance: February 23, 2015

Limitations and Conditions (continued):

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

Certification Basis:

1. Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110-48, the certification basis for The Boeing Company Model 717-200 AVOX LavOx™ Passenger Lavatory Oxygen System is as follows:
  - a. The type certification basis for The Boeing Company Models 717-200 is shown on A6WE 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 the application, November 10, 2014, is based upon 14 CFR Part 25 as amended by Amendment 25-82. Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in the FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-132

25.305(a)(b) [Amdt. 25-86], 25.561(b)(3)(d) [Amdt. 25-91], 25.571(c) [Amdt. 25-132],  
25.611(a) [Amdt. 25-123], 25.613(a)(b)(c) [Amdt. 25-112], 25.869(c) [Amdt. 25-123],  
25.1301(a)(1)(2) [Amdt. 25-123], 25.1301(a)(3) [Amdt. 25-123], 25.1301(a)(4) [Amdt. 25-123],  
25.1309(a) [Amdt. 25-123], 25.1309(b)(d) [Amdt. 25-123], 25.1309(c)(e)(f) [Amdt. 25-41],  
25.1447(a)(c)(1) [Amdt. 25-116].

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