



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA2970SO

**This certificate issued to:** Pemco World Air Services, Inc.  
4102 N. Westshore Blvd.  
Tampa, FL 33614

*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:** A16WE      **Make:** Boeing  
**Model:** 737-200/300/400

**Description of Type Design Change:**

Installation of a “Class E” Cargo Compartment and passenger interior configuration in accordance with Pemco World Air Services, Inc. Master Data List (MDL), Report No. 2374, Revision S dated June 15, 2006, or later FAA approved revision

**Limitations and Conditions:**

1. Airplane Flight Manual Supplement (AFMS), Pemco Report No. P03-003FM Revision 5, dated June 23, 2006, or later FAA-approved revision, is required and must be carried in the aircraft during all flights.
2. Instructions for Continued Airworthiness (ICA), Pemco Report No. 2917 Revision C, dated January 18, 2006, or later FAA approved revision, is a required part of this STC, and must be incorporated into the operator’s maintenance program.

(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, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

**Date of Application:** October 5, 1989      **Date Reissued:** June 29, 1998, November 5, 1999, April 2, 2003  
October 24, 2006, May 31, 2011

**Date of Issuance:** June 28, 1991      **Date Amended:** February 17, 1994, May 30, 1997, May 7, 2003  
June 23, 2006, September 16, 2016

**By Direction of the Administrator**

Signature \_\_\_\_\_  
Title      Manager  
Atlanta Aircraft Certification Office

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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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:*

**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: **SA2970SO**

Date of Issuance: June 28, 1991

Date Amended: September 16, 2016

### Limitations and Conditions (continued):

3. Goodrich Corporation Fire Detection (Class "E") system must be incorporated in accordance with STC ST00235BO as part of approval for the installation of this STC on Boeing model 737-400 aircraft.
4. The installer must determine whether this design change is compatible with previously approved modifications.
5. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

### Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, for the Boeing 737-200/300/400 the Certification Basis is as follows:

- The type certification basis for Boeing Model 737-200/300/400 airplanes is shown on TCDS A16WE for parts **not changed** or **not affected** by the change.
- The certification basis for parts **changed** or **affected** by the change since the reference date of application, October 30, 2015, is based upon part 25 as amended by amendment 25-137. Based on 14 CFR §§ 21.115 and 21.101, and FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

### 14 CFR Part 25 regulations:

#### Regulations at the latest amendment 25-0 through 25-137:

§§25.1, 25.23, 25.561, 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.623, 25.625, 25.703, 25.793, 25.807(j), 25.851(a), 25.853(a), 25.855(a)(b)(d)(e)(f)(h)(j), 25.856, 25.857(e), 25.858, 25.869(a), 25.1307(c), 25.1309(a)(b)(c)(e)(f)(g), 25.1321, 25.1322, 25.1351(a)(b), 25.1353(a)(b), 25.1357(a), 25.1381, 25.1411, 25.1439, 25.1529, 25.1541, 25.1557, 25.1581, 25.1583(c)

#### Regulations at the amendment level in TCDS A16WE:

§§25.301, 25.303, 25.305, 25.307, 25.365, 25.831, 25.841

#### Regulations an intermediate amendment level:

None

#### Exemptions:

Exemption No. 8057A – Exemption from §25.855(a) and §25.857(e) permits Pemco World Air Services, Inc. carriage of four non-crewmembers (commonly referred to as supernumeraries) on Boeing Model 737-200 and -300 airplanes which have been converted from passenger to freighter configuration in accordance with this STC.

Exemption No. 8625A – Exemption from §25.855(a) and § 25.857(e) permits Pemco World Air Services, Inc. carriage of four non-crewmembers (commonly referred to as supernumeraries) on Boeing Model 737-400 airplanes which have been converted from passenger to freighter configuration in accordance with this STC.

(See continuation sheet 4 of 4)

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**Date Amended:** September 16, 2016

**Certification Basis (continued):**

**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 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:

§§26.11 (Amdt 26-0). 26.47(Amdt 26-1)

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