

# Supplemental Type Certificate

**Number ST02278SE**

*This certificate, issued to*

**Precision Conversions, LLC  
4900 SW Griffith Drive, Suite 133  
Beaverton, OR 97005**

*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.*

\* Certification Basis continued on page 4 of 5

*Original Product Type Certificate Number:* A2NM  
*Make:* Boeing  
*Model:* 757-200 Series

*Description of the Type Design Change:* Conversion of a Boeing 757-200 series passenger configuration to a cargo/passenger (combi) configuration (including main deck Class "C" cargo compartment, main deck cargo door, crew entry door, interior, and associated systems), in accordance with Precision Conversions, LLC Master Drawing List (MDL) PC-0118-240, Revision IR, dated March 19, 2013, or later Federal Aviation Administration (FAA) approved revision.

*Limitations and Conditions:* Approval of this change in type design applies only to the airplane models listed above. This approval should not be extended to other airplanes of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any other previously approved modifications will introduce no adverse effect upon the airworthiness of the airplane. A copy of this certificate and Precision Conversions, LLC MDL PC-0118-240, Revision IR, dated March 19, 2013, or later FAA-approved revision, must be maintained as part of the permanent records for the modified aircraft. 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.

(See Continuation Sheet Page 3 of 5 Pages)

*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:* May 28, 2009

*Date reissued:* May 30, 2013

*Date of issuance:* May 10, 2013

*Date amended:*

*By direction of the Administrator*



(Signature)

Acting Manager, Seattle Aircraft Certification Office

(Title)



# Supplemental Type Certificate

## (Continuation Sheet)

*Number* **ST02278SE**

*Issued:* May 10, 2013

*Reissued:* May 30, 2013

*Amended:*

### *Limitations and Conditions continued:*

#### Flight Operations:

Airplanes modified in accordance with this supplemental type certificate (STC) must be operated in accordance with the latest FAA-approved copy of the following documents:

1. Airplane Flight Manual Supplement, Document OL0181, OEMSN ( )
2. Airplane Weight and Balance and Loading Manual Supplement, Document OL0182-( )

The parentheses following the flight manual supplement and weight and balance supplement document numbers refers to the airplane serial number. The cargo handling systems approved for this modification are identified in the weight and balance supplement.

#### Extended Operations (ETOPS):

The type-design reliability and performance of this airplane-engine combination has been evaluated under Title 14 Code of Federal Regulations (CFR) section (§) 25.1535 and found suitable for 180-minute ETOPS when the configuration, maintenance, and procedures standard contained in Boeing Document D011N002, "CONFIGURATION, MAINTENANCE AND PROCEDURES (CMP) FOR EXTENDED RANGE (ER) OPERATION," as supplemented by Precision Conversions PC-0118-226 ETOPS - Configuration, Maintenance, and Procedures (CMP) Supplement for Extended-Range Operations for 757-200 Combi, are complied with. The actual maximum approved diversion time for this modified airplane may be less based on its most limiting system time capability. This finding does not constitute operational approval to conduct ETOPS.

#### Instructions for Continued Airworthiness (ICA):

Airplanes modified in accordance with this STC must be maintained in accordance with the following Precision Conversions, LLC documents:

Supplement to 757 Maintenance Planning Data (MPD), Document PC-0118-05, Revision May 2013, dated May 3, 2013, or later FAA-accepted revision.

Supplement to 757 MPD Document, Section 9 Airworthiness Limitations and Certification Maintenance Requirements, Document PC-0118-05-9, Revision H, dated April 16, 2013, or later FAA-approved revision. See Note.

Electrical Wiring Interconnection System ICA, Document PC-0118-237, Revision F, dated May 2, 2013, or later FAA-approved revision.

Supplemental Maintenance Manual, Document PC-0118-229, Revision A, dated March 25, 2013, or later FAA-accepted revision.

Structural Repair Manual Supplement for B757-200 Cargo Conversion, Document PC-0118-219, Revision A, dated March 25, 2013, or later FAA-approved revision.

Note: Section PC-0118-05-9 contains the Airworthiness Limitations which are FAA-approved and specify maintenance required under § 43.16 and § 91.403 of the Federal Aviation Regulations. This section contains Supplemental Structural Inspections and mandatory Certification Maintenance Requirements (CMR), which are FAA-approved and must be complied with at the intervals specified. The CMRs and their intervals must not be deleted or escalated without the approval from the Manager, Seattle 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 in accordance with FAR 21.47.*

## Department of Transportation - Federal Aviation Administration

**Supplemental Type Certificate**

(Continuation Sheet)

**Number ST02278SE***Issued:* May 10, 2013*Reissued:* May 30, 2013*Amended:**Limitations and Conditions continued:*Airworthiness Directive Alternative Methods of Compliance :

Federal Aviation Administration Letter No. 150S-13-73, dated May 10, 2013, approves alternative methods of compliance to airworthiness directives for aircraft modified by this STC.

*Certification Basis:*

- a. For components and areas not affected by the change, the original certification basis for the Boeing Model 757-200 airplane shown on FAA Type Certification Data Sheet A2NM, Revision 30.
- b. For components and areas affected by the change, Title 14 Code of Federal Regulations (CFR) part 25, effective February 1, 1965, including Amendments 25-00 through 25-127. Based on 14 CFR section (§) 21.115 and §21.101 the certification basis for this design change was determined to be as follows:

14CFR	Amendment	14CFR	Amendment	14CFR	Amendment
25.1	25-00	25.471	25-23	25.621	25-00
25.2	25-99	25.473	25-23	25.623	25-00
25.3	25-120	25.477	25-00	25.625	25-72
25.23	25-00	25.479	25-23	25.629	25-77
25.25	25-63	25.481	25-94	25.671(a)	25-23
25.27	25-00	25.483	25-91	25.681	25-00
25.29	25-72	25.485	25-00	25.683	25-23
25.301	25-23	25.487	25-00	25.685(a)(c)	25-38
25.303	25-23	25.489	25-23	25.689	25-00
25.305	25-86	25.491	25-00	25.693	25-00
25.307	25-72	25.493	25-23	25.703	25-42
25.321	25-86	25.495	25-00	25.772(a)	25-72
25.331	25-91	25.499	25-23	25.777(a)(b)(c)(g)	25-46
25.333	25-86	25.503	25-00	25.783(a)(b)(c)(d)(e)(f)(h)	25-114
25.335	25-23	25.507	25-00	25.785(a)(b)(c)(d)(e)(g)(h)(i)	25-32
25.337	25-23	25.509	25-23	25.787	25-51
25.341	25-86	25.511	25-00	25.789	25-46
25.343	25-86	25.561 except smoke barrier and flight deck stowage	25-23	25.791	25-72
25.345	25-91	25.561 smoke barrier and flight deck stowage	25-91	25.793	25-51
25.349	25-94	25.563	25-00	25.795(a)(1)(2)(3)	25-127
25.351	25-91	25.571	25-54	25.801	25-72
25.365 except (e)	25-00	25.581	25-23	25.803	25-72
25.365(e) fwd/aft cargo compartment	25-54	25.601	25-00	25.807	25-114
25.367	25-00	25.603	25-46	25.809(a)(b)(c)(d)(e)(g)(i)	25-116
25.373	25-86	25.605	25-46	25.810	25-88
25.395	25-72	25.607	25-23	25.811(a)(b)(c)(d)(e)(f)(2)	25-88
25.397	25-72	25.609	25-00	25.812(a)(b)(1)(c)(d)(e)(f)(g)(2)(j)(k)(l)	25-116
25.399	25-00	25.611	25-123	25.813(a)(b)(1)(4)(6)(d)(e)	26-116
25.427(d)	25-86	25.613	25-112	25.815	25-38
25.445	25-86	25.619	25-23	25.817	25-15

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## Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

(Continuation Sheet)

*Number* ST02278SE*Issued:* May 10, 2013*Reissued:* May 30, 2013*Amended:**Certification Basis continued:*

14CFR	Amendment	14CFR	Amendment	14CFR	Amendment
25.820	25-114	25.1423	25-70	25.1587	25-105
25.831	25-41	25.1431(a)(c)(d)	25-113	25.1701	25-123
25.841	25-38	25.1435	25-104	25.1703	25-123
25.843(a)(b)(2)(3)(4)	25-00	25.1438	25-41	25.1705	25-123
25.851(a)(1)(2)(3)(5)(6)(7) (b)	25-74	25.1439	25-115	25.1707	25-123
25.853(a)(c)(d)(e)(f)(g)	25-116	25.1441	25-00	25.1709	25-123
25.854	25-74	25.1443	25-00	25.1711	25-123
25.855	25-123	25.1445	25-00	25.1713	25-123
25.856(a)	25-111	25.1447	25-116	25.1715	25-123
25.857(c)	25-93	25.1449	25-00	25.1717	25-123
25.858	25-93	25.1450	25-41	25.1719	25-123
25.863	25-46	25.1453	25-00	25.1721	25-123
25.869(a)(1)(3)(c)	25-123	25.1455	25-23		
25.899	25-123	25.1501	25-42	25.1733	25-123
25.1165(b)	25-72	25.1503	25-00	Appendix F25.1	25-111
25.1301	25-123	25.1505	25-23	Appendix F25.3	25-60
25.1307(c)	25-72	25.1519	25-00	Appendix F25.4	25-66
25.1309	25-123	25.1529	25-54	Appendix F25.5	25-66
25.1310	25-123	25.1533	25-72	Appendix F25.6	25-111
25.1316	25-80	25.1535	25-120	Appendix H25.1	25-123
25.1322	25-38	25.1541	25-00	Appendix H25.2	25-54
25.1351(a)(b)(1)(3)(d)	25-72	25.1543	25-72	Appendix H25.3	25-54
25.1353(a)(c)	25-123	25.1545	25-00	Appendix H25.4	25-123
25.1357(a)(b)(c)(d)(e)	25-123	25.1555	25-00	Appendix 25.5(a)(1)(3)(5) (b)	25-123
25.1360	25-123	25.1557(a)(c)	25-72	AppendixK25.1.1	25-120
25.1362	25-123	25.1561(a)(b)(c)(d)	25-46	AppendixK25.1.2	25-120
25.1381	25-72	25.1563	25-00	AppendixK25.1.6	25-120
25.1411	25-79	25.1581	25-72	AppendixK25.1.7	25-120
25.1415(a)(b)(c)(d)	25-82	25.1583	25-105		
25.1421	25-41	25.1585(a)	25-105		

STC Compatibility: Precision Conversions, LLC STC Number ST02278SE compatibility with aircraft modified under Aviation Partners Boeing (APB) STC ST01518SE, meets the above airworthiness requirements of part 25 of the Federal Aviation Regulations.

- c. For components and areas affected by the change, Title 14 Code of Federal Regulations (CFR) part 26, effective December 10, 2007, including, Amendments 26-0 through 26-3. Based on 14 CFR section (§) 21.115 and §21.101 the certification basis for this design change was determined to be as follows:

14CFR	Amendment	14CFR	Amendment	14CFR	Amendment
26.1	26-0	26.5	26-3	26.41	26-1
26.3	26-0	26.11	26-0	26.47	26-1

- END -

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