

# Supplemental Type Certificate

*Number:* SA00101MC

*This certificate issued to:*

Sierra Nevada Corporation  
11551 E. Arapahoe Road  
Centennial, CO 80112

*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 23 of the Federal Aviation Regulations. (See Continuation Sheet)*

*Original Product - Type Certificate Number:* A78EU

*Make:* Pilatus

*Model:* PC-12/47E

*Description of Type Design Change:*

Installation of provisions for Aircraft Survivability Equipment, including structural mounting features, aerodynamic fairings, and electrical provisions. Data required includes:

- 1) Sierra Nevada Corporation (SNC), Master Drawing List (MDL) MDL-0232-00-9371, Revision B, Dated: 12/12/2013 or later FAA approved revisions
- 2) Sierra Nevada Corporation (SNC), Aircraft Flight Manual Supplement (AFMS) 0232-00-9363, Revision D, Dated: 12/12/2013 or later FAA approved revisions
- 3) Sierra Nevada Corporation (SNC), Instructions for Continued Airworthiness (ICA) 0232-00-9364, Revision B, Dated: 10/23/2013 or later FAA accepted revisions

*Limitations and Conditions:*

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) 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.
- 3) Approval of this change in type design applies to the above model of airplane only.
- 4) A copy of this certificate and the ICA shall be maintained in the airplane permanent records.
- 5) Supplemental Type Certificate (STC) SA00102MC must be installed as a prerequisite to installation of this STC.
- 6) The FAA has not certified the equipment for which these provisions are intended. The installer must obtain additional FAA approval to install equipment to these provisions.

*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:* January 11, 2013

*Date reissued:*

*Date of issuance:* December 12, 2013

*Date amended:*

*By direction of the Administrator*



**Signed**

(Signature)

William L. Shields  
ODA administrator, ODA(AIR)-833355-CE  
(Title)

# Supplemental Type Certificate

(Continuation Sheet)

*Number:* SA00101MC

*Date of application:* 01/11/2013

*Date of issuance:* 12/12/2013

*Certification Basis:*

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 Pilatus Model PC-23/47E Provisions for ASE is as follows:

- a. The type certification basis for Pilatus PC-23/47E is shown on A78EU 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, 01/11/2013, is based upon 14 CFR Part 23 as amended by Amendment 23-42 and additional selected rules at later amendments as listed on the TCDS. 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 23-0 through 23-53**

23.305(b) [amdt 23-45], 23.575 [amdt 23-48], 23.607(a)(b) [amdt 23-48], 23.901(b)(1) [amdt 23-53], 23.1351(a) [amdt 23-49], 23.1357(b)(c) [amdt 23-43], 23.1365(a) [amdt 23-49]

**Regulation at an intermediate amendment**

23.571(b)(c) [amdt 23-45], 23.629(f)(g)(h)(i) [amdt 23-48], 23.1309(c)(1) [amdt 23-49]

**Regulation at the amendment level in TCDS A78EU**

23.21 [amdt 23-0], 23.23 [amdt 23-17], 23.25 [amdt 23-34], 23.29 [amdt 23-21], 23.45 (a)(b)(c)(e) [amdt 23-34], 23.49 [amdt 23-21], 23.49(c) [amdt 23-44], 23.51(a)(c) [amdt 23-34], 23.53(b)(2) [amdt 23-34], 23.65 (a)(c) [amdt 23-34], 23.75(a)(b)(c)(d)(e)(f)(g) [amdt 23-42], 23.77(a)(b) [amdt 23-34], 23.141 [amdt 12-17], 23.143(a)(b) [amdt 23-17], 23.143(c) [amdt 23-50], 23.171 [amdt 23-0], 23.173(a)(b)(1)(c) [amdt 23-34], 23.175(a)(b)(1)(i)(iii)(2)(3)(c)(d) [amdt 23-34], 23.177(a) [amdt 23-21], 23.181 [amdt 23-21], 23.201(a)(c)(d) (e)(f) [amdt 23-14], 23.203 [amdt 23-14], 23.207 [amdt 23-7], 23.231(a) [amdt 23-0], 23.233(a)(b)(c) [amdt 23-0], 23.251 [amdt 23-0], 23.301 [amdt 23-48], 23.303 [amdt 23-0], 23.305(a) [amdt 23-45], 23.307(a) [amdt 23-0], 23.321 [amdt 23-0], 23.331 [amdt 23-42], 23.333 [amdt 23-34], 23.335(a)(b)(c) [amdt 23-48], 23.337 [amdt 23-34], 23.341(b) [amdt 23-42], 23.347 [amdt 23-0], 23.421 [amdt 23-42], 23.423 [amdt 23-42], 23.425 [amdt 23-42], 23.441 [amdt 23-42], 23.443 [amdt 23-42], 23.471 [amdt 23-0], 23.473 [amdt 23-28], 23.477 [amdt 23-0], 23.479(a) [amdt 23-17], 23.479(b)(c) [amdt 23-45], 23.481 [amdt 23-0], 23.561(a)(b)(1)(c)(1)(2) (e) [amdt 23-36], 23.561(b)(2)(3)(c)(3) [amdt 23-48], 23.562(d)(1) [amdt 23-50], 23.571(a) [amdt 23-45], 23.573(b) [amdt 23-48], 23.601 [amdt 23-0], 23.603 [amdt 23-23], 23.605(a) [amdt 23-23], 23.607(c) [amdt 23-48], 23.609 [amdt 23-0], 23.611 [amdt 23-7], 23.613(a)(b)(c)(d) [amdt 23-45], 23.615(a) [amdt 23-7], 23.619 [amdt 23-7], 23.623(a) [amdt 23-7], 23.625 (a)(b)(c) [amdt 23-7], 23.627 [amdt 23-0], 23.629(a)(b)(c) (d)(e)(f)(2) [amdt 23-48], 23.863(a)(b)(d) [amdt 23-34], 23.867(a)(b)(1)(2) (c)(1)(2) [amdt 23-7], 23.1301(a) (b)(c) [amdt 23-20], 23.1323(b) [amdt 23-42], 23.1325(e) [amdt 23-42], 23.1351(a) [amdt 23-34], 23.1351(g) [amdt 23-49], 23.1353(h) [amdt 23-49], 23.1357(a) [amdt 23-43], 23.1359 [amdt 23-49], 23.1365(b)(c)(d)(e)(f) [amdt 23-49], 23.1367(a)(b) [amdt 23-0], 23.1381(c) [amdt 23-0], 23.1419(b) [amdt 23-14], 23.1529 [amdt 23-26], 23.1581(a)(b)(d) [amdt 23-34], 23.1583(d)(h) [amdt 23-34], 23.1585(a)(2) [amdt 23-34], 23.1587(a)(1)(2) (3)(4)(5)(6)(7)(8) [amdt 23-34]

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