



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA00117MC

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.

Original Product – Type Certificate Number: A78EU  
Mcnrg: Pilatus Aircraft Ltd.  
Mqf grn PC-12/47E

Description of Type Design Change:

Installation of non-essential communications equipment. Data required includes:

- 1) Sierra Nevada Corporation Master Data List (MDL), 0232-00-9436, Rev A, Dated 08/14/2014 or later FAA approved revision.
- 2) Sierra Nevada Corporation Airplane Flight Manual Supplement (AFMS) 0232-00-9414, Rev A, Dated 08/14/2014 or later FAA approved revision.
- 3) Sierra Nevada Corporation Instructions for Continued Airworthiness (ICA) 0232-00-9415, Rev A, Dated 06/18/2014 or later FAA approved revision.

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.

*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: 2/28/2014

Date reissued:

Date of issuance: 8/15/2014

Date amended: 06/17/2015

*By direction of the Administrator*

Signature \_\_\_\_\_

Title William Eckler  
ODA administrator, ODA(AIR)-833355-CE

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).



United States of America  
Department of Transportation  
Federal Aviation Administration  
*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: SA00117MC*

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

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

Extent of Authority (if licensing agreement):

*Date of transfer:*

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

---

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).

---



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

(Continuation Sheet)

Number: SA00117MC

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-12/47E Non-Essential Communications Equipment is as follows:

a. The type certificate basis for Pilatus PC-12/47E 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, 02/28/2014, 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 23-62

23.305(b) [Amdt. 23-45], 23.573(b) [Amdt. 23-48], 23.575 [Amdt. 23-48], 23.607(a)(b) [Amdt. 23-48], 23.1351(a)(1)(2)(i)(b)(1)(i) [Amdt. 23-49], 23.1357(b)(c) [Amdt. 23-43], 23.1365(a)(c)(2) [Amdt. 23-49]

Regulations at the amendment level in the TCDS A78EU

23.23 [Amdt. 23-17], 23.25 [Amdt. 23-34], 23.45(a)(b)(c)(e) [Amdt. 23-34], 23.65(a)(c) [Amdt. 23-34], 23.77 [Amdt. 23-34], 23.171 [Amdt. 23-0], 23.177(a) [Amdt. 23-21], 23.251 [Amdt. 23-0], 23.301(a)(b)(c) [Amdt. 23-48], 23.303 [Amdt. 23-0], 23.305(a) [Amdt. 23-45], 23.307(a)(b) [Amdt. 23-0], 23.321 [Amdt. 23-0], 23.333 [Amdt. 23-34], 23.335(a)(b)(c) [Amdt. 23-48], 23.337(a)(1)(b)(1)(c) [Amdt. 23-34], 23.341(b) [Amdt. 23-42], 23.365 [Amdt. 23-0], 23.441 [Amdt. 23-42], 23.443 [Amdt. 23-42], 23.561(b)(3) [Amdt. 23-48], 23.562 (d)(1) [Amdt. 23-50], 23.571(a) [Amdt. 23-45], 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 [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], 23.853(a) [Amdt. 23-34], 23.863 [Amdt. 23-34], 23.867(a)(b)(1)(2) [Amdt. 23-7], 23.967(e)(2)(i) [Amdt. 23-36], 23.994 [Amdt. 23-29], 23.1301(a)(b)(c)(d) [Amdt. 23-20], 23.1351(g) [Amdt. 23-49], 23.1353(h) [Amdt. 23-49], 23.1357 (a) [Amdt. 23-43], 23.1359(a)(c) [Amdt. 23-49], 23.1365(b)(c)(1)(d)(e)(f) [Amdt. 23-49], 23.1419(b) [Amdt. 23-14], 23.1431(b) [Amdt. 23-49], 23.1529 [Amdt. 23-26], 23.1581(a)(b)(d) [Amdt. 23-34], 23.1583(c)(1) [Amdt. 23-34], 23.1587(a)(7) [Amdt. 23-34]

Regulation at an intermediate amendment

23.571(b)(c) [Amdt. 23-45], 23.1309(a)(1)(2)(b)(1)(2)(4)(c)(1)(e)(f) [Amdt. 23-49]

---

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).

---