



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST00134MC

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 25 of the Chapter 14 Code of Federal Regulations

Original Product – Type Certificate Number: A45NM                      Make: 328 Support Services GmbH  
Model: Dornier Model 328-100

Description of Type Design Change:

Installation of a Trimble TA-24S Global Positioning System Receiver. Required data includes:

- 1) Sierra Nevada Corporation (SNC), Master Data List (MDL) 0282-0201-0004, Revision A, dated 1 February, 2016, FAA approved February 26, 2016, or later FAA approved revisions.

(Continued on page 3)

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.

(Continued on page 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: 09/30/2015

Date Reissued:

Date of Issuance: 02/26/2016

Date Amended:

*By Direction of the Administrator*

Signature \_\_\_\_\_

Title William Eckler  
ODA administrator, ODA-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).



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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: ST00134MC*

Description of Type Design Change (continued from page 1):

- 2) Sierra Nevada Corporation (SNC) Airplane Flight Manual Supplement (AFMS) 0282-0201-0013, Rev A, dated December 7, 2015, or later FAA approved revision.
- 3) Sierra Nevada Corporation (SNC) Instructions for Continued Airworthiness (ICA) 0282-0201-0014, Rev A, dated December 17, 2015, or later FAA approved revision.

Limitations and Conditions (continued from page 1):

- 3) The following are prerequisites to the installation of this STC: Installation of Dornier options 345K041A & 345K042A, ATC 1&2 EHS / ADS-B Out; option 345K019, SBAS GNSSU; options 345K039 & 345K040, IRS 1&2 – Honeywell Laseref IV; 328 Support Services GmbH, Dornier Service Bulletin SB-328-31-534, Honeywell DU 875 display units; and Supplemental Type Certificate ST00069MC.
- 4) Approval of this change in type design applies to 328 Support Services GmbH, Dornier 328-100 Mod 20 aircraft only as defined in TCDS A45NM.
- 5) A copy of this certificate and the ICA shall be maintained in the airplane permanent records.
- 6) This STC is intended for military, public, or government use aircraft only. Installation of this system on aircraft for commercial use is prohibited.

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST00128MC

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 Dornier Model 328-100 TA-24 GPS installation is as follows:

a. The type certificate basis for 328 Support Services GmbH, Dornier Model 328-100 is shown on A45NM 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, 09/30/2015, is based upon 14 CFR Part 25 as amended by Amendment 25-1 through 25-64, additional selected rules at later amendments as listed on the TCDS, and 14 CFR Part 26 as amended by Amendment 26-1 through 26-6. 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 25-141 and 26-0 through 26-6:

25.333(a)(b) [Amdt. 25-86], 25.853(a) [Amdt. 25-116], 25.899 [Amdt. 25-123], 25.1310 [Amdt. 25-123], 25.1360(a)(b) [Amdt. 25-123], 25.1431(a)(c)(d) [Amdt. 25-113], 25.1585(a)(b) [Amdt. 25-105], 26.11(c)(1) [Amdt. 26-0]

Regulations at the amendment level in the TCDS A45NM:

25.301 [Amdt. 25-23], 25.303 [Amdt. 25-23], 25.305(a)(b)(c) [Amdt. 25-54], 25.307(a) [Amdt. 25-54], 25.337 [Amdt. 25-23], 25.341(a)(b) [Amdt. 25-0], 25.561 [Amdt. 25-64], 25.601 [Amdt. 25-0], 25.603 [Amdt. 25-46], 25.607 [Amdt. 25-23], 25.609 [Amdt. 25-0], 25.611(a) [Amdt. 25-23], 25.613(a)(b)(c)(e) [Amdt. 25-46], 25.619 [Amdt. 25-23], 25.625 [Amdt. 25-23], 25.771(a) [Amdt. 25-4], 25.773(a) [Amdt. 25-46], 25.777(a)(c) [Amdt. 25-46], 25.1301(a)(b)(c)(d) [Amdt. 25-0], 25.1309(a)(b)(c)(d)(e) [Amdt. 25-41], 25.1322 [Amdt. 25-38], 25.1331(a)(3) [Amdt. 25-41], 25.1351(a) [Amdt. 25-41], 25.1353(a)(b) [Amdt. 25-42], 25.1357(a)(c) [Amdt. 25-0], 25.1381 [Amdt. 25-0], 25.1519 [Amdt. 25-0], 25.1529 [Amdt. 25-54], 25.1581(a)(b)(d) [Amdt. 25-42]

Regulations at an intermediate amendment:

None

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