

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* ST00120MC

*This certificate issued to:*

Sierra Nevada Corporation  
11551 East Arapahoe Road  
Centennial, Colorado 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 Federal Aviation Regulations.*

*Original Product - Type Certificate Number:* A45NM

*Make:* 328 Support Services GmbH

*Model:* 328-100

*Description of Type Design Change:*

Installation of multiple mission configuration options, including power and mission equipment racks, non-required communications equipment, mission power distribution system, antennas, optional operator console, and provisions for sponsons with the carriage of external stores. Installations are in accordance with Sierra Nevada Corporation (SNC) Master Drawing List (MDL), Document Number MDL-0215-00-9302, Revision D, dated November 17, 2014, and FAA approved January 6, 2015, or later FAA approved revision.

*Limitations and Conditions:*

1. Instructions for Continued Airworthiness, Document 0215-00-9304, Revision B, titled: "Instructions for Continued Airworthiness (ICA) for the Antennas, Antenna Provisions, External Stores, and Mission Interior for the Sensor Test Bed Program," dated October 1, 2014, FAA approved December 19, 2014 or later FAA approved revision is required for this installation and shall be made available to the operator at the time of this installation for incorporation into the operator's maintenance program.

(See continuation sheet 3 of 3 for additional limitations)

*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 10, 2012

*Date reissued:*

*Date of issuance:* January 8, 2015

*Date amended:*

*By direction of the Administrator*



(Signature)

Derek Morgan  
Manager  
Military Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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.

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## TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number \_\_\_\_\_

to *(Name of transferee)* \_\_\_\_\_

*(Address of transfer)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and Zip code)*

from *(Name of grantor) (Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and Zip code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_

United States of America  
Department of Transportation -- Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST00120MC

*Limitations and Conditions:*

2. Document 0215-00-9307, Revision D, dated 1 October 2014 — FAA approved Airplane Flight Manual Supplement, Revision A, dated December 19, 2014 or later FAA approved — shall be made available to the operator at the time of this installation for incorporation into the operator's flight manual.
3. Document 0215-00-9346, Revision D, dated 23 October 2014 — FAA approved Weight and Balance Manual Supplement, Revision A, dated December 19, 2014 or later FAA approved revision — shall be made available to the operator at the time of this installation for incorporation into the operator's flight manual.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.
5. 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 the permission.
6. This STC is intended for military, public, or government use aircraft only.
7. Installation of sponsons or sponsons with external stores is not approved under this STC. The FAA has not certified the equipment for which these provisions are intended. You must get additional FAA approval to install this equipment. The FAA must evaluate the installation to ensure it complies with the applicable airworthiness standards.
8. Stowage of loose cargo and baggage is prohibited in the main cabin area.
9. Installation of STC approved for Mod 20 Series Aircraft ONLY.

*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 Model 328-100 Mod 20 to Sensor Test Bed are as follows:

- a. The type certification basis for Model 328-100 Mod 20 series baseline aircraft is shown on TCDS A45NM, Revision 7, 14 CFR Part 25 effective February 1, 1965, including Amendments 25-1 through 25-61, plus Amendments 25-62, 25-63, and 25-64, added to the Certification Basis by Dornier, with the exception of Sections 25.21(b) and 25.205 (removed from part 25 by Amendment 25-72) for components and areas **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 application, May 10, 2012, is based upon 14 CFR §§ 21.115 and 21.101, and the FAA Order 8110.48, the certification basis for this modification was determined to be:

14 CFR part 25, effective February 1, 1965, including Amendments 25-1 through 25-135.

**Regulations at an intermediate amendment**

§ 25.1322 Amendment 25-38

§ 25.1419(a)(b) at Amendment 25-23

**Noise Standards:** 14 CFR part 36 the "No Acoustical Change" provisions of § 21.93(b) apply.

**Fuel Venting and Exhaust Emissions Standards:** The "No Emissions Change" provision of § 21.93(c) does not apply

**14 CFR part 26:** Effective December 10, 2007, including Amendments 26-1 through 26-5.

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