

Supplemental Type Certificate

Number ST00014MC-D

This Certificate issued to Gulfstream Aerospace Corporation
4150 Donald Douglas Drive
Long Beach, California 90808

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.* *Certification basis is set forth in Type Certificate Data Sheet A12EA

Original Product Type Certificate Number : A12EA

Make : Gulfstream

Model : GV-SP

Description of Type Design Change: Installation of an AN/AAQ-24(V) NEMESIS Directional Infrared Countermeasures (DIRCM) System in accordance with Gulfstream Aerospace Corporation Index List, GC51 1688006, Revision "D", dated June 5, 2008, or later FAA approved revisions.

Limitations and Conditions:

1. The FAA Approved Airplane Flight Manual Supplement, Document Number GC51 168M002, original release, dated June 5, 2008, or later FAA approved revision, is required and must be carried in the aircraft during all flights.
2. The Instructions for Continued Airworthiness, Document Number GC52 801A516 shall be made available to the operator at the time of installation.
3. The installer must determine whether this design change is compatible with previously approved modifications.

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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 : February 6, 2008

Date reissued :

Date of issuance : June 5, 2008

Date amended :



By direction of the Administrator

R. A. Wood
(Signature)

Randall A. Wood
DAS Administrator, DAS-100271-NM
(Title)

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

Supplemental Type Certificate

(Continuation Sheet)

Number ST00014MC-D

Date of issuance: June 5, 2008

Limitations and Conditions: (Continued)

4. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.
5. FAA certification of this installation was limited to the evaluation of the electronic countermeasure equipment's effects on the safe operation of the aircraft, and does not connote FAA endorsement of the effectiveness of the equipment in countering a Man Portable Air Defense System (MANPADS) threat. In addition, the FAA has not evaluated the safety of the IR laser for use on the ground or in the air. Operation of the IR laser, to include appropriate laser safety training for flight crew and maintenance personnel, should be in accordance with the intent of American National Standards Institute (ANSI) Standards Z136.1, *Safe Use of Lasers*, and Z136.6, *Use of Lasers Outdoor*.
6. The following Northrop Grumman parts are not eligible for FAA Parts Manufacturer Approval:

<u>Nomenclature</u>	<u>Part Number</u>
DIRCM Processor	001-007722-1102
DIRCM Control Indicator Unit (CIU)	001-007678-103
DIRCM Small Laser Transmitter Assembly (SLTA)	001-007915A0301
DIRCM Missile Warning Sensor (MWS)	001-007671-009

8. This STC is for government use only.

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