

# Supplemental Type Certificate

*Number* ST00062MC-D

*This Certificate issued to* Gulfstream Aerospace Corporation  
500 Gulfstream Road  
Savannah, GA 31408

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.* See Type Certificate Data Sheet A12EA for complete certification basis.

*Original Product Type Certificate Number :* A12EA

*Make :* Gulfstream

*Model :* G-IV

*Description of Type Design Change:* Installation of an AN/AAQ-24(V) Guardian Large Aircraft Infrared Countermeasures (LAIRCM) System in accordance with Gulfstream Aerospace Index List, CE411688001, Revision "D", dated May 27, 2011, or later FAA approved revisions.

The Airplane Flight Manual Supplement, Document Number CE41168M001, original issue, dated June 1, 2011, or later FAA approved revision must be carried in the aircraft during all flights.

The Instructions for Continued Airworthiness, Document Number CE42168A001, original release, dated April 21, 2011 or later FAA accepted revision, must be made available to the operator at the time of installation.

*Limitations and Conditions:*

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(Continued Page 3)

*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 :* September 14, 2010

*Date reissued :*

*Date of issuance :* June 1, 2011

*Date amended :*



*By direction of the Administrator*

(Signature)

William S. Whitton, Jr.  
ODA Lead Administrator, ODA-511131-CE  
Gulfstream Aerospace Corporation  
Savannah, Georgia

(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.

\_\_\_\_\_

**TRANSFER ENDORSEMENT**

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

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

*(Address of transferee)* \_\_\_\_\_  
*(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)*: \_\_\_\_\_

# Supplemental Type Certificate

(Continuation Sheet)

*Number* ST00062MC-D

*Date of issuance :* June 1, 2011

*Limitations and Conditions:* (Continued)

3. 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 infrared (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*.
4. The following Northrop Grumman parts are not eligible for FAA Parts Manufacturer Approval:

<u>Nomenclature</u>	<u>Part Number</u>
LAIRCM Processor	001-007722-3061
LAIRCM CIU	001-007678-103
LAIRCM GLTA	001-008065A0402
LAIRCM MWS	001-007671-009

5. This approval is limited to only the installation made in the Gulfstream Aerospace Model G-IV aircraft and is valid only as long as the aircraft is operated as a public or state aircraft.

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