

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

*Number* ST03571AT

*This certificate issued to* National Oceanographic and Atmospheric Administration (NOAA)  
Aircraft Operations Center  
7917 Hangar Loop Drive  
McDill AFB, Florida 33621

*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.*

*Original Product - Type Certificate Number* A12EA  
*Make :* Gulfstream  
*Model :* GIV

*Description of Type Design Change:* Installation of Tail Mounted Vertically Scanning Doppler Radar

*Limitations and Conditions:*

1. This STC is limited to Gulfstream Model GIV, Serial Number 1246 only.
2. Installation per King Aerospace Master Drawing List (MDL) DL1900, Revision A, dated 4/18/08 (or later FAA Approved Revision). DL1900, Rev A is for Structural Provisions Only (System was deactivated). As of the December 14, 2009 STC amendment, the system is operational per DL1900, Revision E, dated 11-23-2009 (or later FAA approved revision).
3. Airplane Flight Manual Supplement, dated May 13, 2008, or later FAA approved revision, is a required part of this STC.
4. Instructions for Continued Airworthiness (ICA), contained within King Aerospace Report 5663-15, Revision A, dated 2007-12-30, later FAA accepted revision, is also a required part of this STC, and must be incorporated into the operator's maintenance program. Once the system is activated per DL1900, Revision E (STC Amendment to activate the system), then ICA contained within King Aerospace Report 5663-15, Revision B, dated June 4, 2009 are applicable. This ICA contains an STC Airworthiness Limitations Section (ALS) approved by the Atlanta ACO, dated April 18, 2008. Any changes or deviations to the ALS must be approved by the cognizant ACO.

This approval is a one-time STC only valid for a single aircraft serial number as noted above.

*Certification Basis:* As noted in TCDS A12EA.

*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 :* January 2, 2006

*Date reissued :* December 23, 2009

*Date of issuance :* May 13, 2008

*Date amended :* December 14, 2009



*By direction of the Administrator*

*Melvin D. Taylor*  
\_\_\_\_\_  
(Signature)  
Melvin D. Taylor, Manager  
Atlanta Aircraft 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.

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# Supplemental Type Certificate

(Continuation Sheet)

*Number* ST03571AT

*Limitations and Conditions* (Continued):

*Certification Basis:* As noted in TCDS A12EA.