

Supplemental Type Certificate

Number ST03958AT

This certificate issued to Banyan Air Service
5360 NW 20th Terrace
Ft. Lauderdale, FL 33309

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: *
Make: *
Model: *
*See attached FAA Approved Model List (AML) Number ST03958AT for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change: The installation and activation of the EMS Satellite Communication System with Cabin Wireless Local Area Network (WLAN) in accordance with installation instructions as listed on AML Number ST03958AT.

- 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.
 - 3) FAA Approved Airplane Flight Manual Supplement (AFMS) as listed on AML Number ST03958AT is required on board the modified aircraft.
 - 4) Instructions for Continued Airworthiness (ICA) as listed on AML Number ST03958AT must be made available to the operator at the time of installation.
 - 5) Additional Limitations and Conditions are listed on AML Number ST03958AT.

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: July 6, 2011

Date reissued:

Date of issuance: June 12, 2012

Date amended:



By direction of the Administrator

Melvin D. Taylor
(Signature)

for Melvin D. Taylor
Manager,
Atlanta Aircraft Certification Office

(Title)

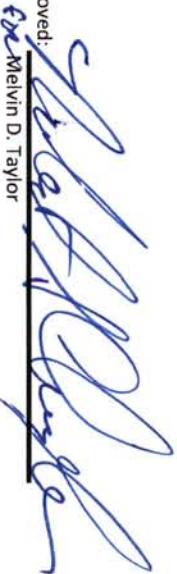
FOR INSTALLATION AND ACTIVATION OF THE EMS AVIATION SATELLITE COMMUNICATION SYSTEM WITH CABIN WIRELESS LOCAL AREA NETWORK (WLAN)

| ITEM | MAKE | MODEL | TCDS | INSTALLATION INSTRUCTIONS NUMBER/REV/DATE | AFM SUPPLEMENT NUMBER/REV/DATE | ICA NUMBER/REV/DATE | AML AMENDMENT DATE |
|------|------------|---------|-------|---|----------------------------------|---------------------------------|--------------------|
| 1 | Gulfstream | G-1159 | A12AE | 77284-100, Rev. IR July 15, 2011* | 77284-020, Rev. IR 6/12/2012* | 77284-030, Rev. A 5/31/2012* | 6/12/2012 |
| 2 | Gulfstream | G-1159A | A12AE | 77284-100, Rev. IR July 15, 2011* | 77284-020, Rev. IR 6/12/2012* | 77284-030, Rev. A 5/31/2012* | 6/12/2012 |
| 3 | Gulfstream | G-1159B | A12AE | 77284-100, Rev. IR July 15, 2011* | 77284-020, Rev. IR 6/12/2012* | 77284-030, Rev. A 5/31/2012* | 6/12/2012 |
| 4 | Gulfstream | G-IV | A12AE | 77284-100, Rev. IR July 15, 2011* | 77284-020, Rev. IR 6/12/2012* | 77284-030, Rev. A 5/31/2012* | 6/12/2012 |

* or later approved revision

Note 1: See "Addition Limitations and Conditions" section of this AML

FAA Approved:



Melvin D. Taylor
Manager
Atlanta Aircraft Certification Office

Date Issued:

June 12, 2012

FOR INSTALLATION AND ACTIVATION OF THE EMS AVIATION SATELLITE COMMUNICATION SYSTEM WITH CABIN WIRELESS LOCAL AREA NETWORK (WLAN)

Additional Conditions and Exemptions

AML Items All:

The system is intended to provide satellite voice communication, internet connection, and e-mail service to the aircraft utilizing Portable Electronic Devices (PEDs) and Transmitting Portable Electronic Devices (T-PEDs). Any other intended function of this equipment will require a re-examination of the certification basis.

The EMS Aviation Satellite Communication System with WLAN may be installed under 4 conditions / configurations as follows:

1. Installation & Activation of the EMS Aviation Aspire 200 Swift Broadband System with WLAN via the EMS Aviation CCU-200 Cabin Convergence Unit with Internal WLAN Router and integrated to a compatible Iridium Satellite Communication System
2. Installation & Activation of the EMS Aviation Aspire 200 Swift Broadband System with WLAN via the EMS Aviation CCU-200 Cabin Convergence Unit with Internal WLAN Router or GNX-200 Network Accelerator with Internal WLAN Router
3. Installation & Activation of the EMS Aviation CCU-200 Cabin Convergence Unit with Internal WLAN Router and integrated with a compatible Satellite Communication System
4. Installation & Activation of the EMS Aviation GNX-200 Network Accelerator with Internal WLAN Router and integrated with a compatible Satellite Communication System

Certification Basis for Alterations

AML Items All:

- a. The type certification basis for the Gulfstream G-1159 (G-II), G-1159A (G-III), G-1159B (G-III), and G-IV Series airplanes is shown in TCDS A12AE for parts not changed or not affected by this change.
- b. The certification basis for the parts changed or affected by this change since the reference date of application, June 28, 2011, is based upon Part 25 as amended by Amendment 25-133. Based on 14 CFR §§ 21.115 & 25.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-133 (14 CFR)

25.23(a)(b) Amendment 25-0, 25.301(a)(b) Amendment 25-23, 25.303 Amendment 25-23; 25.305(a)(b) Amendment 25-86; 25.307(a) Amendment 25-72; 25.337(a)(b)(c) Amendment 25-23; 25.365(a)(b)(d) Amendment 25-87; 25.561(a)(b)(3) Amendment 25-91; 25.571(a)(b) Amendment 25-132, 25.581(a)(b) (c) Amendment 25-23, 25.601 Amendment 25-0; 25.603(a)(b)(c) Amendment 25-46; 25.605(a) Amendment 25-46; 25.607(a), Amendment 25-23; 25.609(a)(b), Amendment 25-0; 25.611 Amendment 25-123, 25.613(a)(b)(c), Amendment 25-112; 25.619(a)(b)(c) Amendment 25-23, 25.625(a)(b), Amendment 25-72, 25.789(a) Amendment 25-46; 25.813(a)(b)(c) (d) Amendment 25-128; 25.815 Amendment 25-38; 25.853(a) Amendment 25-116; 25.869(a) Amendment 25-123; 25.981(a); 25.1301(a)(b)(c) (d) Amendment 25-123; 25.1307(c) Amendment 25-72; 25.1309(b)(d)(g) Amendment 25-123; 25.1351(a) Amendment 25-72; 25.1353(a)(b)(c) (d) Amendment 25-123; 25.1357(a)(c)(g) Amendment 25-123; 25.1419(a)(b) Amendment 25-129; 25.1431(a)(c)(d) Amendment 25-113; 25.1501(a)(b) Amendment 25-42; 25.1529 Amendment 25-54; 25.1541(a)(b); 25.1581(a)(b)(d) Amendment 25-72; 25.1585(a)(b) Appendix H25.4, Amendment 25-123

Regulations at an Intermediate Level (14 CFR)

25.305(a), Amendment 25-86; 25.571(a)(b), Amendment 25-91; 25.1309(b)(d)(g), Amendment 25-41; 25.1353(a), Amendment 25-113; 25.305(a), Amendment 25-86; 25.571(a)(b), Amendment 25-91; 25.1309(b)(d)(g), Amendment 25-41; 25.1353(a), Amendment 25-113

Regulations at the Amendment Level in TCDS A12AE (14 CFR)

25.341(a), Amendment 25-0; 25.1301(a)(b)(c)(d), Amendment 25-0