

FAA APPROVED MODEL LIST (AML) NUMBER ST03958AT  
 BANYAN AIR SERVICE. INC.

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*	77284-030, Rev. A*	6/12/2012
2	Gulfstream	G-1159A	A12AE	77284-100, Rev. IR, July 15, 2011*	77284-020, Rev. IR*	77284-030, Rev. A*	6/12/2012
3	Gulfstream	G-1159B	A12AE	77284-100, Rev. IR, July 15, 2011*	77284-020, Rev. IR*	77284-030, Rev. A*	6/12/2012
4	Gulfstream	G-IV	A12AE	77284-100, Rev. IR, July 15, 2011*	77284-020, Rev. IR*	77284-030, Rev. A*	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: \_\_\_\_\_

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*Additional Limitations and Conditions*

**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 CNX-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 CNX-200 Network Accelerator with Internal WLAN Router and integrated with a compatible Satellite Communication System

*Certification Basis for Alteration*

**AML Items ALL:**

- a. The type certification basis for the Gulfstream G-1159 (G-II), G-1159A (G-III), G-1159B (G-IIB), 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 25-123; 25.1529 Amendment 25-51; 25.1541(a)(b); 25.1591(a)(b)(d) Amendment 25-72; 25.1595(a)(b) Appendix H25.1 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