

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

*Number* ST02406LA

*This Certificate issued to* Aviation Communication & Surveillance Systems  
19810 North 7<sup>th</sup> Avenue  
Phoenix, AZ 85027-4400

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 :* \* See attached Approved Model List (AML)

*Make* No. ST02406LA for list of approved aircraft

*Model* Models and applicable airworthiness regulations

*Description of Type Design Change:* Installation of TCAS version 7.1 in accordance with FAA approved AML No. ST02406LA, dated February 06, 2012, or later FAA approved revision.

*Limitations and Conditions:* This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. A copy of this STC must be included in the permanent record of the modified aircraft. 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.

*(Continued On 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 :* August 29, 2011

*Date reissued :*

*Date of issuance :* February 06 , 2012

*Date amended :*



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)  
Manager, Systems & Equipment Branch  
Los Angeles 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.

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 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)*: \_\_\_\_\_

---

*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* ST02406LA

## *Limitations and Conditions (Continued)*

When applying this AML STC, if the 'ADJUST VERTICAL SPEED, ADJUST' call-out is listed in the Limitations, Performance, or one of the Procedures sections of the existing AFM(S), then the AFM(S) must be revised and approved to replace the call-out with 'LEVEL OFF, LEVEL OFF' call-out.

## *Certification Basis*

Based on 14 CFR §§ 21.115 and 21.101, and FAA order 8110.48, the type certification basis for the applicable aircrafts models are listed in the FAA approved AML No. ST02406LA for parts changed or affected by the change. Based on 14 CFR §§ 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations 14 CFR §§ 26.11, (Amdt. No. 26-0).

-----END-----

United States Of America  
 Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

## (Continuation Sheet)

FAA APPROVED MODEL LIST (AML) NO. [ST02406LA](#)  
 AVIATION COMMUNICATIONS AND SURVEILLANCE SYSTEMS

For Modification Of An ACSS TCAS II Or TCAS 2000 Change 7.0 (TSO-C119b) System To An ACSS TCAS II Or TCAS 2000  
 Change 7.1 (TSO-C119c) System

Issue Date: February 06, 2012

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Certification Basis for Alteration	Master Drawing List		AFM	AML
					Number	Revision No. & Date	Supplement Number/Date	Amendment Date
1	Gulfstream	G-1159 G-1159A & G-1159B G-IV & GV & GV-SP & GIV-X	A12EA	14 CFR Part 25 and CAR 4b	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012
2	Bombardier / Learjet	Learjet 45	T00008WI	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012
3	Bombardier	BD-700-1A10 & BD-700-1A11	T00003NY	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012

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

Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

(Continuation Sheet)

4	Bombardier	CL-600-1A11 (CL-600) & CL-600-2A12 (CL-601) & CL-600-2B16 (CL-601-3A Variant) & CL-600-2B16 (CL-601-3R Variant) CL-600-2B16 (CL-604 Variant) CL- 600-2B19 (Regional Jet Series 100 & 440) CL-600-2C10 (Regional Jet Series 700, 701 & 702) CL-600-2D15 (Regional Jet Series 705) & CL-600-2D24 (Regional Jet Series 900)	A21EA	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012
5	Boeing	737-200 Series 737-200C Series 737-300 Series 737-400 Series 737-500 Series 737-600 Series 737-700 Series 737-800 Series 737-700C Series 737-900 Series 737-900ER Series	A16WE	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012
6	Dassault	Falcon 900 & Falcon 900EX	A46EU	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012

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

7	Dassault	Falcon 2000 & Falcon 2000EX	A50NM	14 CFR Part 25	8900067-002	Rev - & February 02, 2012	N/A	Original February 06 -2012
8	Embraer	EMB-145 EMB-145ER EMB-145MR EMB-145LR EMB-145XR EMB-145MP EMB-145EP EMB-135ER EMB-135LR EMB-135KE EMB-135KL EMB-135BJ	T00011AT	14 CFR Part 25	8900067-002	Rev - & February 02, 2012 or later FAA Approved Revision	N/A	Original February 06 -2012

FAA Approved: \_\_\_\_\_  
Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office

Date: \_\_\_\_\_

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