

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

*Number* ST02614CH

*This certificate issued to*

West Star Aviation, Inc  
18 Terminal Drive  
East Alton, IL 62024-2254

*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. (See Page 3 for complete certification basis)*

*Original Product--Type Certificate Number:* A46EU  
*Make:* Dassault-Aviation  
*Model:* Mystere-Falcon 50

*Description of Type Design Change:*

Installation of dual Universal Avionics Systems Corporation UNS-1Fw or UNS-1Ew Flight Management Systems in accordance with West Star Aviation, Inc. Master Data List, Document 12-318L003, Revision D, dated May 14, 2009, or later FAA approved revision.

*Limitations and Conditions:*

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Flight Manual Supplement, West Star Aviation, Inc. Document No. 12-318B016, Revision A, approved May 22, 2009 or later FAA approved revision; and West Star Aviation, Inc. Document No. 12-318B020, Revision I/R, approved May 22, 2009 or later FAA approved revision are required parts of this STC.
3. The aircraft must be maintained in accordance with Airworthiness Limitations contained in West Star Aviation, Inc. Document No. 12-318B017, Revision A, Chapter 10 Airworthiness Limitations, approved May 22, 2009, or later FAA approved revisions in addition to the basic aircraft maintenance manuals.
4. 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.

*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:* April 11, 2008

*Date reissued:*

*Date of issuance:* October 20, 2008

*Date amended:* May 22, 2009

*By direction of the Administrator*



(Signature)

Roy E. Boffo, III, Acting Manager  
Systems and Flight Test Branch  
Chicago Aircraft Certification Office

(Title)

United States of America  
Department of Transportation - Federal Aviation Administration

**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST02614CH

Date Amended: May 22, 2009

**Certification Basis (continued)**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Mystere-Falcon 50 series aircraft with the installation of dual Universal Avionics Systems Corporation UNS-1Fw Flight Management Systems as follows:

- a. The type certification basis for the Mystere-Falcon 50 series airplanes is shown on TCDS A46EU 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, April 11, 2008, is based upon Part 25 as amended by Amendment 25-119. Based on 14 CFR §§ 21.115 and 21.101, 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 25-119**

25.301(a); 25.303; 25.305(a), (b); 25.307(a); 25.365(a), (b), (c), (d); 25.561(c), (d); 25.571(a), (b); 25.601; 25.603(a), (b), (c); 25.605(a), (b); 25.607(a), (b), (c); 25.609(a), (b); 25.611; 25.613(a), (b), (c), (e), (f); 25.619(a), (b), (c); 25.625(a); 25.869(a4); 25.981(a); 25.1301(a), (b), (c), (d); 25.1307(c); 25.1309(a), (b), (c), (d), (e), (f), (g); 25.1316(a), (b), (c); 25.1322(a), (b), (c), (d); 25.1333(a), (b), (c); 25.1351(a); 25.1353(a), (b), (d); 25.1357(a), (c); 25.1381(a), (b); 25.1431(a), (b), (c), (d); 25.1501(a), (b); 25.1529; 25.1581(a), (b), (d); 25.1585(a), (b).

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