

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

*Number* ST02458CH

*This certificate issued to*  
West Star Aviation, LLC  
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 a Rockwell Collins Pro Line 21 Major Avionics Retrofit in accordance with Premier Air Center, Inc. Master Data List 12-332L002, Revision L, dated July 18, 2011, or later FAA approved revision.

*Limitations and Conditions:*

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. The Airplane Flight Manual Supplement(s) as listed in Section 4.2.2 of Premier Air Center Master Data List, 12-332L002, Revision L, dated July 18, 2011, or later FAA approved revision, is required on board the modified aircraft.
3. The aircraft must be maintained in accordance with Airworthiness Limitations contained in Premier Air Center Document No. 12-332B004, Revision C, Chapter 10, approved August 3, 2011, or later FAA approved revision; or West Star Aviation Document No. 12-332B021, Revision I/R, Chapter 10, approved August 3, 2011, or later FAA approved revision, as listed in Section 4.2.2 of Premier Air Center Master Data List 12-332L002, Revision L, dated July 18, 2011, or later FAA approved revision, in addition to the basic aircraft maintenance manuals.
4. Equivalent Level of Safety Findings has been made for the following regulation(s):  
§ 25.1549(a), (b) and (c), Powerplant and auxiliary power unit instruments (documented in TAD ELOS Memo SA7660Ch-T-P-1)
5. If the holder agrees to permit another person to use this certificate to alter the product, the holder must 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:* September 29, 2006

*Date reissued:* June 1, 2016

*Date of issuance:* August 1, 2008

*Date amended:* February 25, 2009; August 3, 2011

*By direction of the Administrator*



(Signature)

Steven L. Lardinois, Manager  
Systems and Flight Test Branch  
Chicago 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* ST02458CH

Date Reissued: June 1, 2016

**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 Rockwell Collins Pro Line 21 Major Avionics Retrofit is as follows:

- a. The type certification basis for Mystere-Falcon 50 series airplanes is shown on TCDS A46EU for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, September 29, 2006, is based upon part 25 as amended by Amendment 25-119 and included in Special Conditions 25-300-SC, dated September 23, 2005, Docket No. NM329 (HIRF). 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**

25.29, 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); 25.581(a), (b), (c); 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); 25.771(a), (c), (d), (e); 25.773(a)(2); 25.777(a), (c); 25.869(a)(4); 25.901(a)(3), (b)(2); 25.981(a); 25.1301(a), (b), (c), (d); 25.1303(a), (b), (c); 25.1305(a)(4)-(6), (c)(1)-(3), (d)(1); 25.1307(c), (d), (e); 25.1309(a), (b), (c), (d), (e), (f), (g); 25.1316(a), (b), (c); 25.1321(a), (b), (d), (e); 25.1322(a), (b), (c), (d); 25.1323(a), (b), (c), (f), (g), (i), (j); 25.1325(d), (e), (f); 25.1327(a), (b); 25.1331(a), (b); 25.1333(a), (b), (c); 25.1351(a), (d); 25.1353(a), (b), (c)(1)-(4), (d); 25.1355(c); 25.1357(a), (c); 25.1381(a), (b); 25.1431(a), (b), (c), (d); 25.1501(a), (b); 25.1529; 25.1541(a), (b); 25.1543(b); 25.1549(a), (b), (c); 25.1581(a), (b), (d); 25.1583(h); 25.1585(a), (b).

**Regulations at an intermediate amendment level**

25.1329(a), (b), (c), (d), (e), (f), (g), (h)	Amendment 25-46
25.1335	Amendment 25-41.

**Regulations at amendment 15-122**

25.1317(d).

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