

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

Number ST11041SC

This Certificate issued to BHE and Associates
12002 Warfield
Suite 250
San Antonio, TX 78216

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 : A46EU
Make : Dassault Aviation
Model : Mystere-Falcon 50

Description of Type Design Change: Installation of upgraded hardware to replace Rockwell Collins Pro Line 4 displays with Rockwell Collins Pro Line 21 displays, add an Integrated Flight Information System (IFIS), and enable localizer performance with vertical guidance (LPV) capability in accordance with master drawing list 360-00-0001, revision G, dated February 11, 2011, or later approved FAA revision. Airplane flight manual supplement, document 360-00-0056, revision IR, dated January 24, 2011, or later approved FAA revision, is required.

Limitations and Conditions: The installer must determine whether this design change is compatible with previously approved modifications. 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.

(See continuation sheet 3 of 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: September 16, 2010

Date reissued:

Date of issuance: February 23, 2011

Date amended:



By direction of the Administrator

(Signature)

S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

United States Of America
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Supplemental Type Certificate
(Continuation Sheet)

Number ST11041SC
Date of Issuance: February 23, 2011

Limitations and Conditions (Continued):

This installation requires the installation of supplemental type certificate ST01433WI-D in order to provide global positioning system data enhanced with the wide area augmentation system.

Certification Basis: Based on 14 CFR §§ 21.115 and 21.101, and FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Dassault Aviation Mystere-Falcon 50 modified by upgrading Rockwell Collins Pro Line 4 displays to Rockwell Collins Pro Line 21 displays and installing an Integrated Flight Information System is as follows:

- a. The type certification basis for Dassault Aviation Mystere-Falcon 50 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 applications, September 16, 2010, is based upon part 25 as amended by Amendment 25-129.

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 25-129

14 CFR § 25.1, 25.2, 25.23 (b), 25.301, 25.303, 25.305 (a)(b), 25.307 (a), 25.321, 25.341 (a), 25.365, 25.561 (a)(b), 25.571 (a)(b), 25.581 (a)(b), 25.601, 25.603, 25.605 (a), 25.609 (a), 25.613 (a)(b), 25.771 (a), 25.789 (a), 25.1303, 25.1307, 25.1316 (b)(c), 25.1317 (d), 25.1321 (a)(b)(c), 25.1322, 25.1329, 25.1331, 25.1333, 25.1351 (a), 25.1357 (a)(c), 25.1381, 25.1431, 25.1519, 25.1523, 25.1529, 25.1541, 25.1555 (a), 25.1581, 25.1583 (h), and 25.1585 (a).

Regulations at an intermediate amendment

14 CFR § 25.869 (a)(4) Amendment 25-113
14 CFR § 25.981(a3)(b) Amendment 25-102
14 CFR § 25.1353 (a)(c) Amendment 25-113

Regulations at the amendment level in TCDS A46EU

14 CFR § 25.1301, 25.1309 and 25.1357 (a)(c)

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