United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST11047SC

This certificate issued to: BHE & Associates, Ltd.
12002 Warfield, Suite 250
San Antonio, TX

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 *of the* Federal Aviation Regulations.

Original Product – Type Certificate Number:

A50NM

Make: Dassault Aviation
Model: Falcon 2000 / 2000EX

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…
(See Continuation sheet 3 of 4)

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(See continuation sheet 3 of 4)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: November 30, 2010

Date Reissued:

Date of Issuance: May 04, 2011

Date Amended: 01/ 9/ 18; August 10, 2018

By Direction of the Administrator

Signature _____

Title VT DRB Aviation Lead ODA Administrator
ODA-831473-SW

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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: ST11047SC

To *(*Name and address of transferee*)*

From *(*Name and address of grantor*)*

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Date of Issuance: May 04, 2011
Date Amended: 01/09/18; August 10, 2018

Description of Type Design Change (continued):
…(LPV) capability in accordance with "Master Data List" document no. 365-00-0001, Revision C dated April 01, 2011 or later FAA approved revision; and "Airplane Flight Manual Supplement document" no. 365-00-0056, revision IR dated May 3, 2011 for FMS-6100 version 4.1 or document 365-00-0086 revision IR, dated December 12, 2017 for FMS-6100 version 4.2 or later FAA approved revision.

Limitations and Conditions (continued):

3. For aircraft with no Flight data recorder (FDR) or FDR with less than 42 parameters, software version 8.0 or later is required. For aircraft with FDR with 42 parameters to 88 parameters, software version 10.4 or later is required.
4. 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 the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Dassault Aviation Falcon 2000 / 2000EX series aircraft modified by for the installation of Pro Line 21 equipment updates with MR 10.4 Adaptive Flight Displays (AFD) that includes both the Primary Flight Displays (PFDs) & the Multifunction Flight Displays (MFDs), Data Concentrator Units (DCUs), Input Output Concentrators (IOCs) and Optional Data Base Unit (DBU) is as follows:

a. The type certification basis for Dassault Aviation Falcon 2000 / 2000EX series airplanes is shown on TCDS A50NM 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, 11/30/2010, include**:**

14 CFR § Part 25 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); 25.773(a); 25.789(a); 25.1303; 25.1307(c); 25.1316; 25.1317(d); 25.1321(a)(b)(e); 25.1322; 25.1329; 25.1331; 25.1333; 25.1351(a); 25.1381; 25.1431; 25.1501; 25.1519; 25.1523; 25.1529; 25.1541; 25.1543; 25.1555(a); 25.1581; 25.1583(h); and 25.1585(a).

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14 CFR § Part 25 Regulations at an intermediate amendment
14CFR § 25.981(a)(3) amendment 25-102, 25.1353(a)(b)(d) amendment 25-113.

14 CFR regulations at amendment level in TCDS A50NM
14 CFR § 25.869(a)(4), 25.1301, 25.1309, 25.1357(a)(c).

Exemptions from 14CFR Part 25 -
None

Equivalent safety findings exist with respect to the following regulations -
None

Special conditions –
None

Special Federal Aviation Regulations -
None

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