

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

Number ST11042SC

This Certificate issued to JETTECH, LLC
10116 Maypole Court
Oklahoma City, OK 73159

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 : A22CE
Make : Cessna Aircraft Company
Model : 500

Description of Type Design Change: Installation of a Sandel SA4550 Electronic Attitude Display Indicator and a Bendix Vertical Gyro for the copilot use with the existing FGS-70 Flight Director and Autopilot. Airplane Flight Manual Supplement, document number JTECH-FGS70-0102, revision IR, dated February 10, 2011, or later approved FAA revision, is required.

Limitations and Conditions: This approval is limited to only the installation made in Citation 500 Serial No. 500-0001 through 500-0274 equipped with FGS-70 AFCS. 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: October 27, 2008

Date reissued:

Date of issuance: February 11, 2011

Date amended:



By direction of the Administrator

(Signature)

S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

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(Continuation Sheet)

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Number ST11042SC
Date of Issuance: February 11, 2011

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 Citation 500 Copilot Primary Attitude Display System is as follows:

- a. The type certification basis for Citation 500 series airplanes is shown on TCDS A22CE 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, October 27, 2008, 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, 25.21(a), 25.29, 25.301, 25.303, 25.305(a-c), 25.307(a), 25.561, 25.601, 25.603, 25.605(a), 25.609(a), 25.613(a-c), 25.619, 25.625, 25.771(a,e), 25.777(a-c), 25.789(a), 25.869(a4), 25.1303(b4-b5), 25.1307(c), 25.1316, 25.1317, 25.1321(a,b,d,e), 25.1331, 25.1333, 25.1351(a,d), 25.1381, 25.1431(a,c,d), 25.1501, 25.1525, 25.1529, 25.1541, 25.1543(b), 25.1555(a), 25.1581, 25.1585(a,b), 25 Appendix F(25.1), 25 Appendix H(25.1-25.3), 25 Appendix L(25.1).

Regulations at an intermediate amendment

14 CFR § 25.611, Amendment 25-23; 25.981(a,b), Amendment 102; 25.1301, No Amendment; 25.1309, Amendment 25-41; 25.1322, Amendment 25-38; 25.1353(a,b,d), Amendment 25-113; 25.1357(a-e), No Amendment; 25.1583(e), Amendment 25-105; 25.Appendix F, Amendment 25-111; 25.Appendix H(25.4), Amendment 25-102.

Regulations at the amendment level in TCDS A22CE
None

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