

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

Number SA01594WI-D

This certificate issued to

Textron Aviation Inc.
One Cessna Boulevard
Wichita, KS 67215

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 23 of the Federal Aviation Regulations.*

Original Product--Type Certificate Number: A1WI
Make: Cessna
Model: 525 (SN 525-0001 through 525-0359)

Description of Type Design Change:

Installation of the Garmin G1000 Integrated Avionics System and GFC 700 Automatic Flight Control System including Group Airworthiness Approval for Reduced Vertical Separation Minimum (RVSM). Data Required:

- (1) Garmin Master Drawing List (MDL) 005-00508-01, Revision 1, dated July 15, 2010, or later FAA-approved revision.
- (2) Garmin Airplane Flight Manual Supplement (AFMS) 190-00934-02, Revision 2, dated August 27, 2010, or later FAA-approved revision.
- (3) For RVSM group airworthiness approval, the following data is required: MDL 005-00508-01, Revision 3, dated September 15, 2010, or later FAA-approved revision, and AFMS 190-00934-02, Revision 3, dated September 15, 2010 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) The modified aircraft must be operated in accordance with the Airplane Flight Manual Supplement (AFMS) identified above.
- (3) 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.
- (4) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) listed in the MDL identified above.

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: July 7, 2009

Date reissued: February 1, 2011, March 23, 2016

Date of issuance: July 15, 2010

Date amended: September 15, 2010



By direction of the Administrator

Original signed by Yvette Emerson
(Signature)

Yvette Emerson
Program Manager
Wichita Aircraft Certification Office

(Title)

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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 the ownership of Supplement Type Certificate Number _____

To *(Name of transferee)* _____
(Number and street)

(City, State and Zip code)

From *(Name of grantor) Print or type* _____

(Address of grantor) _____
(Number and street)

(City, State and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In Ink)*: _____

United States of America
 Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA01594WI-D

Date of Issuance: July 15, 2010

Date of Reissuance: February 1, 2011, March 23, 2016

Date Amended: September 15, 2010

*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 this change is as follows:

- a. The certification basis for parts **not changed** or **not affected** by this change is shown on TCDS A1WI.
- b. The certification basis for parts **changed** or **affected** by this change is:

Section	Amdt.	Section	Amdt.
23.21	Original	23.1303(a)(b)(d)(f)	49
23.23(b)(3)	45	23.1305(a)(1)(2)(3)(c)(1)(2)(5)(d)(1) (see note 1)	52
23.143	50	23.1307	49
23.251	45	23.1308(a)(b)(c)	57
23.301(a)	48	23.1309(a)(1)(3)(b)(c)(d)(e)	49
23.303	Original	23.1311(a)(b)	49
23.305	45	23.1321	49
23.307(a)	Original	23.1322	43
23.337	48	23.1323(a)(b)	49
23.365(d)	Original	23.1325(a)(b)(e)	50
23.395(a)(1)	7	23.1327	20
23.397	45	23.1329(a)(b)(c)(d)(e)(f)(h)	49
23.561(e)	48	23.1335	20
23.571(c)	48	23.1337(b)(1)(4)	51
23.573(b)	48	23.1351(a)(g)	49
23.601	Original	23.1353(h)	49
23.603	23	23.1357(a)(b)(c)(d)	43
23.605(a)	23	23.1359	49
23.607	48	23.1365(a)(b)(d)(e)	49
23.609	Original	23.1367	Original
23.611	48	23.1381(a)(b)	Original
23.613(a)(b)(c)	45	23.1419(b)(c)	14
23.627	Original	23.1431(a)(b)(e)	49
23.671	Original	23.1501	21
23.677(a)(d)	49	23.1523	34
23.681(a)	Original	23.1525	45
23.683	7	23.1529	26
23.685(a)(c)(d)	17	23.1541(a)(b)	21
23.689(a)(b)(c)(d)(e)	7	23.1543(b)(c)	50
23.771(a)	14	23.1545(a)(b)(d)	50
23.773(a)(2)	45	23.1549(a)(b)(c)(d) (see note 1)	45
23.777(a)(b)	51	23.1553	50
23.779(a)	51	23.1555(a)(b)(e)(2)	50
23.853(a)	49	23.1581(a)(b)(1)(3)(c)(d)(f)	50
23.863(a)(b)(3)(5)	34	23.1583(h)(m)	50
23.867(a)(b)	49	23.1585(a)(1)(j)	50
23.1093(b)(1)(i)	51	23-249-SC	N/A
23.1301	20		

Note 1. Equivalent Level of Safety (ELOS) ACE-10-14 for 14 CFR 23.1305(c)(2)(5) and 14 CFR 23.1549(a)(b)(c)(d) granted by Small Airplane Directorate July 14, 2010.

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.