

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

Number: SA01728WI

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 (See Continuation Sheet).

Original Product - Type Certificate Number: A1WI

Make: Cessna Aircraft Company

Model: 525, 525A

Description of Type Design Change:

Installation of Garmin GTN 650/750 MFD/Navigation System. Data required includes:

- 1) 3S Certification, Master Data List (MDL) CF90111, Revision - , Dated: 10/03/2013 or later FAA approved revisions
- 2) 3S Certification, Aircraft Flight Manual Supplement (AFMS) FM91030, Revision - , Dated: 10/03/2013 or later FAA approved revisions
- 3) 3S Certification, Instructions for Continued Airworthiness (ICA) CMR-525-145, Revision F, Dated: 09/10/2013 or later FAA accepted revisions

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) 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.
- 3) Approval of this change in type design applies to the above model of airplane only.
- 4) A copy of this certificate and the ICA shall be maintained in the airplane permanent records.
- 5) The Collins Pro-line 21 system must have the WAAS upgrade installed in accordance with Cessna ECR 71276 prior to, or in conjunction with the installation of this STC.

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: June 21, 2012

Date reissued: May 11, 2016

Date of issuance: October 3, 2013

Date amended:



By direction of the Administrator

Original signed by Yvette Emerson

(Signature)

Yvette Emerson
Program Manager

Wichita 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: **SA01728WI**

Date of issuance: October 3, 2013

Date Reissued: May 11, 2016

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 Cessna Aircraft Company Model 525/525A Garmin GTN 650/750 MFD/Navigation System is as follows:

- a. The type certification basis for Cessna Aircraft Company 525/525A is shown on A1WI 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 the application, 06/21/2012, is based upon 14 CFR Part 23 Model 525 S/N 0360-0599 as amended by Amendment 23-40 or Model 525A S/N 0001- 299 as amended by Amendment 23-49. Based on 14 CFR 21.115 and § 21.101, and the FAA policy for significant changes in the FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulation at the amendment level in TCDS A1WI:

Applicable to Models 525 S/N 0360-0599 and 525A S/N 0001-0299.

23.23 [Amdt. 23-17], 23.29 [Amdt. 23-21], 23.301(a)(b) [Amdt. 23-28], 23.303 [Amdt. Original], 23.307(a) [Amdt. Original], 23.365 [Amdt. Original], 23.601 [Amdt. Original], 23.603 [Amdt. 23-23], 23.605 [Amdt. 23-23], 23.607 [Amdt. 23-17], 23.609 [Amdt. Original], 23.619 [Amdt. 23-7], 23.625 [Amdt. 23-7], 23.627 [Amdt. Original], 23.771(a) [Amdt. 23-14], 23.773(a)(1) [Amdt. 23-14], 23.777(a)(b) [Amdt. 23-33], 23.867(a)(b)(1) [Amdt. 23-7], 23.1301(a)(b)(c)(d) [Amdt. 23-20], 23.1309(a)(b) [Amdt. 23-34], 23.1322 [Amdt. 23-43], 23.1365 [Amdt. 23-14], 23.1367(a)(b)(c)(d) [Amdt. Original], 23.1381(a)(b) [Amdt. Original], 23.1419(c) [Amdt. 23-14], 23.1431 [Amdt. Original], 23.1438(a)(c) [Amdt. 23-20], 23.1501 [Amdt. 23-21], 23.1519 [Amdt. Original], 23.1529 [Amdt. 23-26], 23.1541(a)(b) [Amdt. 23-21], 23.1581(a)(b)(1)(3)(d) [Amdt. 23-34], 23.1583(h) [Amdt. 23-34], 23.1585(a) [Amdt. 23-34], Special Conditions: 23-ACE-55 2(b), 3, 4(a)(1)(2)(3)(b)(1)(i), safety aspects of (a)(4)(5)(b)(2) [effective October 30, 1991]; 23-102-SC 1(b), 4(b)(2) [effective March 15, 2000].

Model 525 S/N 0360-0599 Only:

23.305 [Amdt. Original], 23.516(a)(b)(3)(e) [Amdt. 23-36], 23.571(a) [Amdt. 23-34], 23.611 [Amdt. 23-7], 23.613 [Amdt. 23-23], 23.615 [Amdt. 23-7], 23.1351(a)(1)(2)(i) [Amdt. 23-34], 23.1307 (b)(2)(3) [Amdt. 23-23], 23.1357(a)(b)(c)(d) [Amdt. 23-20].

Model 525A S/N 0001-0299 Only:

23.305 [Amdt. 23-45], 23.516(a)(b)(3)(e) [Amdt. 23-48], 23.571(a) [Amdt. 23-48], 23.611 [Amdt. 23-48], 23.613 [Amdt. 23-45], 23.1351(a)(1)(2)(i) [Amdt. 23-49], 23.1357(a)(b)(c)(d) [Amdt. 23-43].

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