United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA01937WI

This certificate issued to: Des Moines Flying Service
5304 Fleur Drive
Des Moines, IA 50321

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: A3SO

Make: Piper

Model: PA-32-301FT, PA-32R-301T

Description of Type Design Change:

Modification of existing Garmin G1000 Operating Software, to include GDL 69A SXM Datalink Receiver and GTX 345R Mode S Transponder with ADS-B Out/In and enabling of Garmin Synthetic Vision Technology (SVT) and Flight Charts.
Required data:
1. Master Document List No. PA32 MDL Rev 6, dated December 27, 2019, or later FAA approved revision; and
2. Aircraft Flight Manual No. PA32-G1000-AFMS2, Rev IR, dated December 19, 2019; or later FAA approved revision.

Limitations and Conditions:

1. A copy of this certificate and the ICA shall be maintained in the airplane.
2. Approval of this change in type design applies to Garmin G1000 System in PA-32R-301T S/N 3257447, 3257455 and on; PA-32-301FT S/N 3232068 and on.
3. Compatibility of this design change with previously approved modifications must be determined by the installer.

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: June 12, 2018

Date Reissued:

Date of Issuance: January 2, 2020

Date Amended:

By Direction of the Administrator

Signature _____

Title Ben Tyson
Program Manager
Wichita ACO Branch

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: SA01937WI

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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Supplemental Type Certificate

(Continuation Sheet)

Number: SA01937WI

Issued: 1/2/2020

Certification Basis (continued):

In accordance with 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 is as follows:

1. The type certification basis is shown on TCDS A3SO for areas not changes or not affected by this modification.

2. The certification basis for areas changed or affected by this modification since the date of application June 12, 2018, was determined to be:

14 CFR Part:	Amendment:	14 CFR Part:	Amendment:
23.29	23-0	23.1309(a)(1)(2)(b)(1)(2)(3)(4)(c)(d)(e)	23-49
23.301(a)	23-48	23.1311(a)(1)(2)(3)	23-49
23.303	23-0	23.1321(a)(d)	23-49
23.305(a)(b)	23-45	23.1322(a)(b)(c)(d)	23-43
23.307(a)	23-0	23.1335	23-20
23.561(a)(b)(3)(e)	23-48	23.1351(a)(1)(2)(i)(g)	23-49
23.601	23-0	23.1353(h)	23-49
23.603(a)	23-23	23.1357(a)(b)(c)(d)	23-43
23.605(a)	23-23	23.1359(c)	23-49
23.609(a)	23-0	23.1365(a)(b)(d)(e)	23-49
23.611	23-48	23.1367(a)(b)(c)(d)	23-0
23.613(a)(b)	23-45	23.1381(a)(b)	23-0
23.619	23-7	23.1431(a)(b)	23-49
23.625(a)	23-7	23.1501	23-21
23.771(a)	23-14	23.1529	23-26
23.777(a)(b)	23-51	23.1555(a)(e)(2)	23-50
23.1301(a)(b)(c)(d)	23-20	23.1581(a)(b)(2)(3)(c)(f)	23-50
23.1303(a)(b)(c)(d)(f)	23-49	23.1585(j)	23-50
23.1305(a)(1)(2)(3)(b)(1)(2)(3)(i)(4)(i)(5)(6)(i)	23-52	SC 23-204-SC	

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