



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

Customer

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N6821R	Serial No. 2577	
	Make CIRRUS	Model CIRRUS	Series
2. Owner	Name (As shown on registration certificate) KEN C BISHOP	Address (As shown on registration certificate)	
		Address 17900 SE 159TH AVE	
		City WEIRSDALE	State FL
		Zip 32195	Country USA


3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name SARASOTA AVIONICS INC		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address 8191 N. TAMIAMI TRAIL HNGR B-2		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City SARASOTA State FL		<input checked="" type="checkbox"/> Certificated Repair Station	QV0R957X
Zip 34243 Country USA		<input type="checkbox"/> Certificated Maintenance Organization	

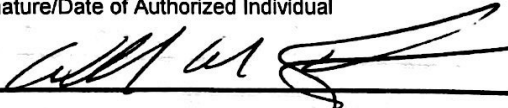
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  8-13-10
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No.	Signature/Date of Authorized Individual  8-13-10
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N682TR

08-13-10

Nationality and Registration Mark

Date

VALIDATED INSTALLATION OF EXISTING S-TEC 55X AUTOPILOT SYSTEM FOR UPGRADE TO AVIDYNE DFC-90 AUTOPILOT. REMOVED AND REPLACED S-TEC 55X COMPUTER AND INSTALLED AVIDYNE DFC-90 AUTOPILOT COMPUTER IN ACCORDANCE WITH STC# SA00296BO, AVIDYNE INSTALLATION MANUAL PN: 600-00251-000 REV 2. COMPLIED WITH AVIDYNE SB 601-00006-103 REV 2 FOR PFD SOFTWARE RELEASE 8.0.2. RECONFIGURED PFD FOR DFC-90 AUTOPILOT INSTALLTION.

COMPLIED WITH ALL GROUND AND FLIGHT OPERATIONAL CHECKS TO DETERMINE CORRECT SYSTEM FUNCTIONALITY IN ALL MODES. VERIFIED NEW INSTALLATION DOES NOT INTERFERE WITH PRE-EXISTING SYSTEMS AND INSTALLATIONS. THE CURRENT ELECTRICAL LOAD ANALYSIS REMAINS VALID SINCE THE NEW UNIT DRAWS THE SAME OR LESS CURRENT THAN THE ORIGINAL UNIT.

FAA APPROVED AFMS PN: 600-00246-000 REV 1 INSTALLED IN AIRCRAFT RECORDS. AUTOPILOT INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PROVIDED IN AIRCRAFT PERMENANT RECORDS PN: AVDFC-030 REV 0. WEIGHT AND BALANCE CHANGE NEGLIGIBLE. UPDATED EQUIPMENT LIST TO REFLECT CURRENTLY INSTALLED EQUIPMENT.

☐ Additional Sheets Are Attached

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

Number SA00296BO

This Certificate issued to Avidyne Corporation
55 Old Bedford Road
Lincoln, Massachusetts 01773

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 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A00009CH
Make: Cirrus Design Corporation
Model: SR20, SR22

Description of Type Design Change:

Installation of Avidyne Corporation Model DFC90 Autopilot, p/n 700-00170-000 as a replacement for the S-TEC System 55X Autopilot, p/n 1192-() in accordance with the Avidyne Corporation Master Document List, Document AVDFC-019, Rev 02, dated 07/15/2010, or later FAA-approved revisions.

Limitations and Conditions:

1. Avidyne Corporation Aircraft Flight Manual Supplement, Document 600-00249-000, Rev 01, FAA approved on July 21, 2010, or later FAA-approved revisions, is required and must be carried in the aircraft during all flights.
2. Avidyne Corporation software p/n 530-00214-() Rev 02 or later FAA approved revisions with the underspeed protection functionality, must be installed in the Primary Flight Display, p/n 700-00006-() which interfaces with the DFC90.
3. Instructions for Continued Airworthiness (ICA), Document AVDFC-030, Rev 00, dated 03/08/2010, or later FAA accepted revision must be made available to the operator at the time of installation.
4. Compatibility of this design with previously approved modifications must be determined by the installer.

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.

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 16, 2009

Date reissued:

Date of issuance: June 18, 2010

Date amended: July 21, 2010



By direction of the Administrator

Robert G. Mann
(Signature)

Robert G. Mann
Manager, Boston 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.

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA00296BO

Effective Date: June 18, 2010
Amended Date: July 21, 2010

Certification Basis

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for non significant changes in FAA Order 8110.48, the certification basis for installation of the DFC90 Autopilot in the Cirrus SR20/22 is as follows:

Airworthiness Standards for components and areas not affected by the change.

The original certification basis for the Cirrus SR20/22 airplanes is noted in the TCDS A00009CH Revision 17.

Airworthiness Standards for components and areas affected by the change

The certification basis for parts changed or affected by the change since the reference date of application, October 16, 2009, is based upon 14 CFR Part 23 as amended by Amendment 23-59 as identified below:

Regulations at the latest amendment 23-0 through 23-59:

23.301	23.1365 (a), (b), (d), (e), (f)
23.303	23.1367
23.305	23.1381 (a), (b)
23.307 (a)	23.1431 (a), (b), (e)
23.337 (a)(1), b(1)	23.1501
23.341 (a)	23.1523
23.473 (d), (g)	23.1525
23.561 (a), (b)(3), (e)	23.1525
23.601	23.1541 (a)
23.603	23.1549 (a)
23.605	23.1555 (a), (b)
23.607	23.1581 (a), (b)(2), (b)(3), (f)
23.609	23.1583 (m)
23.611	23.1585 (j)
23.613	
23.771 (a)	
23.773 (a)(2)	
23.777 (a), (b)	
23.867 (b)	
23.1301	
23.1308 (c)	
23.1309 (a), (a)(1), (a)(2), (b), (e)	
23.1311 (a)(2), (a)(3), (a)(4), (a)(6)	
23.1322	
23.1329 (a), (b), (c), (d), (e), (f), (g), (h)	
23.1335	
23.1351 (a)(1), (a)(2)(i), (b)(1), (e), (f)	
23.1357 (a)(2), (b), (c), (d)	
23.1359 (c)	

....END....

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



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark United States N682TR	Serial No. 2577	
	Make Cirrus Design	Model SR-22	Series SR
2. Owner	Name (As shown on registration certificate) Bishop, Ken	Address (As shown on registration certificate) Address 17900 S.E 159th Ave.	
		City Weirsdale State FL Zip 32195 Country United States Of America	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	Leading Edge Aviation Services, Inc.	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
Address	Tampa Executive Airport	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Tampa State FL	<input type="checkbox"/> Certificated Repair Station	AP 3197850
Zip	33610 Country United States Of America	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual June 11, 2009 Brian Bills
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. A&P 2700197	Signature/Date of Authorized Individual June 11, 2009 Steve Miller
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

United States N682TR

06/11/2009

Nationality and Registration Mark

Date

Installed Precise Flight Semi-Portable Oxygen System P/N: OXY4001 in accordance to STC # SA1232SE. Updated weight and balance report as required.

END

☐ Additional Sheets Are Attached

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

Number SA01232SE

This certificate, issued to Precise Flight Inc.
63354 Powell Butte Road
Bend, OR 97701

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 23 of the Federal Aviation Regulations.

Original Product—Type Certificate Number: A00009CH
Make: Cirrus Design Corporation
Model: SR20, SR22

Description of the Type Design Change: Installation of a Semi-Portable Oxygen System Manufactured in accordance with Precise Flight Engineering Drawing Lists 003N0000, Revision H, dated April 8, 2007; 009N0000, Revision B, dated June 12, 2006; 010N0000, Revision H, dated March 8, 2006; 011N0000, Revision A, dated April 8, 2007; 012N0000, Revision -, dated May 20, 2005; 015N0000, Revision G, dated August 4, 2006; 020N0000, Revision F, dated February 27, 2006; 025N0000, Revision C, dated January 3, 2006; 026N0000, Revision D, dated February 16, 2007; and 027N0000, Revision D, dated April 9, 2007, or later FAA Approved Revisions. Installed in accordance with Precise Flight Engineering Drawing List 003N0000, Revision H, or later FAA approved revisions. Maintained in accordance with the Instructions for Continued Airworthiness located in the Airplane Flight Manual Supplement (AFMS), Precise Flight Document 003NMAN0001, Section 9, Revision A, dated April 26, 2007, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA approved AFMS, Precise Flight, Inc. Document 003NMAN0001, Revision A, dated April 26, 2007, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft. This STC permits the maximum operating altitude of the SR20 and SR22 to be changed to 17,500 feet as depicted in the type certificate data sheet.

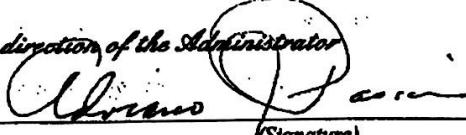
If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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 6, 2002
Date of issuance: June 27, 2003

Date reissued:
Date amended: July 18, 2003; November 7, 2003,
May 7, 2007



By direction of the Administrator

(Signature)
Acting Manager, Seattle 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.

This certificate may be transferred in accordance with FAR 21.47.



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00343BO

This certificate issued to:

Avidyne Corporation
55 Old Bedford Road
Lincoln, Massachusetts 01773

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: See attached FAA Approved Model List (AML), Document No. AVIFD-318, Revision 01, FAA approved on June 18, 2015, or later
Make: AVIFD-318, Revision 01, FAA approved on June 18, 2015, or later
Model: FAA approved revision, for the list of approved airplane models, applicable installation data requirements, and specific limitations.

Description of Type Design Change:

Installation of a single configuration or of a dual configuration Avidyne Corporation Integrated Flight Display, Model IFD540 and/or Model IFD440, loaded with Release 10.1 software (or later FAA approved release), in accordance with Avidyne Corporation Master Document List (MDL), Document Number AVIFD-306, Revision 04, dated May 27, 2015, or later FAA approved revision.

Limitations and Conditions:

1. Operation must be in accordance with the Avidyne Corporation Aircraft Flight Manual Supplement (AFMS) Document Number 600-00298-000, Revision 02, FAA approved on June 18, 2015, or later FAA approved revision.

The AFMS must be carried in the aircraft during all flights.

(continued on Page 3 of 5)

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: February 14, 2013

Date reissued:

Date of Issuance: July 24, 2014

Date amended: June 18, 2015

By direction of the Administrator

Signature

Robert G. Mann

Manager, Boston 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. 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).

**SUPPLEMENTAL TYPE CERTIFICATE, FAA FORM 8110-2
(CONTINUED)**

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:*

To (Name of transferee)

(Address of transferee)

(Number and street)

(City, State, and ZIP Code)

**From (Name of
grantor)**

(Address of grantor)

(Number and street)

(City, State, and ZIP Code)

Extent of Authority (if licensing agreement):

Date of Transfer:

Signature of grantor:



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00343BO

June 18, 2015

Limitations and Conditions: (continued from Page 1 of 5)

2. Maintenance must be in accordance with Instructions for Continued Airworthiness (ICA), Document Number AVIFD-315, Revision 06, dated March 04, 2015, or later FAA accepted revision.

The ICA must be made available to the operator at the time of installation.

3. Model IFD440, loaded with Release 10.1, software is defined as:

Article Part Number		Article Description
700-00179-() with		IFD440 Integrated Flight Display
Software Part Number	Software Description	
530-00236-()	ACR Software	
530-00226-()	FPSM Software	
530-00239-()	LIO Application Processor	
530-00238-()	LIO I/O Processor	
530-00229-()	GPS Software	
530-00231-()	VHF Software	

4. Model IFD540, loaded with Release 10.1 software, is defined as:

Article Part Number		Article Description
700-00182-() with		IFD540 Integrated Flight Display
Software Part Number	Software Description	
530-00236-()	ACR Software	
530-00226-()	FPSM Software	
530-00239-()	LIO Application Processor	
530-00238-()	LIO I/O Processor	
530-00229-()	GPS Software	
530-00231-()	VHF Software	

5. Model IFD440 and/or Model IFD540 can interface only with proven compatible avionics systems as identified by vendor name and model number in Avidyne Corporation Installation Manual Section 2.3, Document Number 600-00299-000, Revision 04, dated April 09, 2015, or later FAA approved revision.

Limitations and Conditions: (continued on Page 4 of 5)

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).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00343BO

June 18, 2015

Limitations and Conditions: (continued from Page 3 of 5)

6. Compatibility of this design with previously approved modifications must be determined by the installer.

Certification Basis:

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for design changes that are identified as not significant in FAA Order 8110.48, the certification basis for the Make Model aircraft is as follows:

- a. The type certification basis for parts **not changed or not affected** by the change is shown on the applicable TCDS.

(continued on Page 5 of 5)

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).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00343BO

June 18, 2015

Certification Basis: (continued from Page 4 of 5)

- b. The modification certification basis for parts **changed or affected** by the change since the reference application date, February 14, 2013, is based upon part 23 as amended by Amendment 23-62 as follows:

Regulations at the latest amendment 23-0 through 23-62

23.301(a), 23.303, 23.305, 23.307(a), 23.337, 23.473(d)(g), 23.561(a)(b)(3)(e), 23.601, 23.603, 23.605, 23.607(b), 23.609, 23.611, 23.613, 23.627, 23.771(a), 23.773(a)(2), 23.777(a)(b), 23.853(a), 23.867(b), 23.301, 23.1306(b), 23.1307, 23.1308(b), 23.1309, 23.1311(a)(1)(2)(3)(4)(6)(7), 23.1321(a)(c)(e), 23.1322, 23.1329(h), 23.1331(a)(b)(1), 23.1351(a), 23.1353(h), 23.1357(a)(b)(c)(d), 23.1359(c), 23.1365(a)(b)(d)(e), 23.1367, 23.1381, 23.1431(a)(b)(d)(e), 23.1501, 23.1523, 23.1525, 23.1529, 23.1541 (a)(2)(b), 23.1555(a)(b), 23.1559(c)(d), 23.1581(a)(b)(c)(f), 23.1583(h)(m), 23.1585(j)

Regulations at an intermediate amendment

None

Regulations at the amendment level in the applicable TCDS

None

END

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).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA11172SC

This certificate issued to:

NavWorx Incorporated
3706 Big A Road
Rowlett, TX 75089

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: [*See attached Make: FAA Approved Model List (AML)
Model: For list of approved models and Applicable airworthiness Regulations]

Description of Type Design Change:

Installation of an ADS600-B Automatic Dependent Surveillance-Broadcast (ADS-B) Universal Access Transceiver (UAT) system and Global Positioning System (GPS) antenna in accordance with Master Drawing List 240-0013-00, Revision 10, dated May 29, 2014, or later FAA approved revision. Airplane Flight Manual Supplement 240-0018-00, Revision 2, dated May 4, 2014, is required.

Limitations and Conditions:

A copy of this certificate must be maintained as part of the permanent records for the modified aircraft. 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 attached AML for other required aircraft systems.

Certification Basis: See attached Approved Model List.

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: July 15, 2013
Date of issuance: June 02, 2014

Date reissued:
Date amended:

By direction of the Administrator

Signature

S. Frances Cox

Title

Manager Special Certification Office,
Southwest Region

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).