## US Department of Federal Aviation

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

Form Ap	proved lo. 2120-0020	
	For FAA Use Only	
	Office Identification	

dministration INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958) Make Model **PIPER** PA-34-200T 1. Aircraft Serial No Nationality and Registration Mark N8228J 34-8070252 Name (As shown on registration certificate) Address (As shown on registration certificate) JEROME GEORGE A 7121 ROYER AVE. 2. Owner JEROME SUSAN K **WEST HILLS CA.91307** COUNTRY USA 3. For FAA Use Only AS PER FAA MEMO: INSTALLATION APPROVAL FOR ADS-B OUT SYSTEMS DATED:3/2/2016 PAGE 3 THIS FORM CAN BE SUBMITTED DIRECTLY THE AIRCRAFT REGISTRATION BRANCH WITHOUT FAA APPROVAL/COMPLETION OF BLOCK 3. 4. Unit Identification 5. Type Unit Make Model Serial No. Repair Alteration -(As described in item 1 above)-Х AIRFRAME POWERPLANT PROPELLER APPLIANCE Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency C. Certificate No. LANCE YOMTOB ☑ U.S. Certificated Mechanic 572868374 1866 RORY LN. UNIT #2 ☐ Foreign Certificated Mechanic ☐ Certificated Repair Station SIMI VALLEY CA. 93063 ☐ Manufacturer COUNTRY USA D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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. Date Signature of Authorized Individual 6/1/2022 LANCE YOMTOB 7. Approval for Return to Service Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED Other (Specify) FAA Fit Standards Manufacturer Inspection Authorization X Inspector BY

Person Approved by Transport Canada Airworthiness Group

LANCE YOMTOB

Signature of Authorized Individual

Date of Approval or Rejection

6*/2/*2022

**FAA Designee** 

Repair Station

Certificate or

Designation No.

572868374

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.)

. . . .

USA

N8228J

.....

6/2/2022

REPLACED EXISTING OEM RED POSITION LIGHT AND STROBE ASSEMBLY WITH UAVIONIX SKYBEACON ASSEMBLY, P/N:UAV-1001856-002 IAW SKYBEACON STC#SA04362CH AND INSTALLATION GUIDE DOCUMENT#UAV-1002305-001. USED EXISTING OEM POSITION LIGHT CIRCUIT AND CONFIRMED APPROPRIATE PER AC43.1 3-1B CHAPTER 11,SEC. 5&6

RED POSITION LIGHT WAS TERMINATED TO THE SKYBEACON POSITION LIGHT WIRE(RED WIRE) USING ENVIRONMENTAL SPLICE(P/N:UAV-1001487-001 OR EQUIVALENT). SKYBEACON GROUND WIRE(BLACK WIRE) WAS TERMINATED TO AIRFRAME STRUCTURE OR GROUND WIRE AS APPROPRIATE.

STROBE HIGH VOLTAGE EXCITATION INPUT POWER WAS DISCONNECTED FROM THE STROBE HIGH VOLTAGE POWER SUPPLY. STROBE INPUT POWER WIRE WAS TERMINATED TO THE SKYBEACON STROBE WIRE(YELLOW WIRE) USING ENVIRONMENTAL SPLICE(P/N:UAV-1001487-001 OR EQUIVALENT)

PLACARD INSTALLED NEXT TO POSITION LIGHT SWITCH.

CONFIGRUATION OF THE SKYBEACON WAS PERFORMED WITH THE FOLLING DATA:

ANONYMOUS MODE: OFF

CALL SIGN: N8228J

ICAO NUMBER: AB3BC2

VSO: 82 KNOTS

ADS-B IN CAPABILITY: 978

**POSITION LIGHT: ON** 

ANTI-COLLISION LIGHT: ON

EMITTER TYPE: LIGHT AIRCRAFT AIRCRAFT LENGTH: 28 FT. 7.44 IN. AIRCRAFT WIDTH: 38 FT. 10.87 IN.

GPS LATERAL ANTENNA OFFSET: 14 FT. 37 IN.

GPS LONGITUDINAL ANTENNA OFFSET: 11 FT. 6 IN.

- 2. MAINTENANCE AND TROUBLE SHOOTING INSTRUCTIONS: uAvionix DOCUMENT#UAV-1002112-001
- 3. AIRPLANE FLIGHT MANUAL SUPPLEMENT: uAvionix DOCUMENT#UAV-1002111-001
- 4. AIRWORTHINESS LIMITATIONS: NO ADDITIONAL AIRWORTHINESS LIMITATIONS.
- 5. CHANGE TO WEIGHT AND BALANCE IS NEGLIGIBLE. EQUIPMENT LIST WAS REVISED.
- 6. THE ABOVED MODIFICATION WAS FOUND NOT TO INTERFERE WITH OTHER INSTALLED SYSTEMS AND/OR MODIFICATIONS AND DOES NOT EXCEED 80%OF GENERATOR OUTPUT. NO ADVERSE INTERFERNCE TO RADIOS AND NAVIGATION SYSTEMS FROM RFI WAS FOUND WHILE OPERATING THE SKYBEACON DURING THE CONFIGURATION PROCESS. THE INSTALLED ADS-B OUT SYSTEM WAS SHOWN TO MEET THE EQUIPMENT PERFORMANCE REQUIREMENTS OF 14 CFR SECTION 91.227.

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Additional	Chaota	A	Attached

#### United States of America

## Department of Transportation -- Kederal Abiation Administration

# Supplemental Type Certificate

Number SA04362CH

This certificate issued to

uAvionix Corporation 2411 W. Winnemac Avenue Chicago, IL 60625

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 \* of the \* Regulations.

Criginal Product - Type Certificate Number \* \* See attached FAA Approved Model List (AML) No. SA04362CH for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change:

Installation of the uAvionix skyBeacon Automatic Dependent Surveillance-Broadcast (ADS-B) Out in accordance with uAvionix skyBeacon Installation Manual UAV-1002305-001, Revision C, dated November 4, 2018 and AML Number SA04362CH or later FAA approved revisions.

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- A copy of this certificate and FAA Approved Model List (AML) Number SA04362CH issued November 27, 2018, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft.
- 3) FAA Approved Airplane Flight Manual Supplement as listed on FAA AML No. SA04362CH, or later FAA approved revision, is required on board the modified aircraft.
- 4) 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 Aciation Administration.

Late of application . September 27, 2017

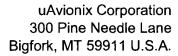
Lute of issunner : November 27, 2018

Late amended:



Steven L. Lardinois Manager, Systems Section Chicago ACO Branch

(Title)





February 18, 2019

**Subject:** STC permission to use FAA STC SA04362CH for installation of uAvionix skyBeacon ADS-B Out Transmitter

Consistent with FAA Order 8110.4C and AC 21-40A, uAvionix Corporation grants permission to uAvionix dealers, installers, and owners of skyBeacon ADS-B Out Transmitter units to utilize FAA Supplemental Type Certificate (STC) SA04362CH and associated data, for the sole and express purpose of installation and approval of the uAvionix skyBeacon ADS-B Out Transmitter. uAvionix grants permissions to use the associated data for obtaining other FAA approved means of installation for aircraft not covered in STC SA04362CH, such as FAA Policy Memorandum, *Installation Approval for ADS-B OUT Systems*, dated March 2, 2016. Following the aircraft modification, a copy of this permission statement should be placed in the aircraft's permanent records.

Ryan C. Braun

**Chief Operating Officer** 

uAvionix Corporation

US Department of Transportation Federal Aviation Administration

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

Form Approved

OMB No. 2120-0020.

For FAA Use Only Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000

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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. Identity with aircraft nationality and registration mark and date work completed.)

- 1. Installed 1 each EDM-760 P/N 760000 Twin Engine Data Monitor S/N 1188 in accordance with manufacturer's installation manual and AC43.13-1a Chapter 11, Section 1, Para 406, 407, Section 2, Para 446, 447, 448, 449, 450, 451, Section 7, Para 514, 515, 516, 517 and 519.
- 2. Power for the EDM-760 was supplied via the avionics buss system per the manufacturer's specifications and circuit protection was installed (2 Amp in line fuse) per manufacturer's requirements.
- 3. Calculated and revised aircraft Weight and Balance computation.
- 4. The appropriate system manual were provided as required.

5.	Continious	MAINTENANCE	15	FOUND IN	I JPI	EDM-760	Operating Many	DA!
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## RECEIVED

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☐ Additional Sheets Are Attached

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US Department of Transportation Federal Aviation Administration MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

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Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequ	ent revision thereof) for instructions
and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result	
for each such violation (Section 901 Federal Aviation Act of 1958).	•

101	each suc	ii violation (Se	ction	1901 Federal Aviati	on A	Ct Of	1958).		•			
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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.

		cket Air Filter Assembly ined in STC# SA693CE as
Weight and Balance char	nge negligible.	
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AAJOR REPAIR AND ALTERATION  (Airframe, Powerplant, Propeller, or Appliance)  INSTRUCTIONS: Print or type all entries. for instructions and disposition of this form.  MAKE  AIRCRAFT  SERIAL NO.  34-80702-52  NAME (As shown on registration certificate)  3. FOR FAA USE ONLY  ADDRESS (As shown on registration certificate)  7730 Medicord, OR 97501  4. UNIT IDENTIFICATION  SERIAL NO.  REPAIR ALTE  AL			DEPARTMENT OF T	ransport ADMINIS	TRATION *			orm Approved Budget Bureau	No. 04-R	060.1
(Airframe, Powerplant, Propeller, or Appliance)  INSTRUCTIONS: Print or type all entries, for instructions and disposition of this form.  See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereo for instructions and disposition of this form.  AIRCRAFT  AIRCRAFT  SERIAL NO.  ANAKE Piper  SERIAL NO.  NATIONALITY AND REGISTRATION MARK N8228J  NAME (As shown on registration certificate)  NAME (As shown on registration certificate)  37.30 Madrona In.  Nedford, OR 97501  A. AGENCY'S NAME AND ADDRESS  B. KIND OF AGENCY  A. AGENCY'S NAME AND ADDRESS  B. KIND OF AGENCY  C. CERTIFICATE NO.  Logan & Reavis Air, Inc.  Nedford, OR 97501  SERIAL NO.  SERIAL NO.  NATIONALITY AND REGISTRATION MARK N8228J  NAME (As shown on registration certificate)  37.30 Madrona In.  Nedford, OR 97501  X CERTIFICATED MECHANIC  IOSE IDENTIFICATION  NW-GADO-3.  NAME (As 43.9-1 (or subsequent revision thereo  NATIONALITY AND REGISTRATION  NBC-30-1 (or subsequent revision thereo  NATIONALITY AND REGISTRATION  NBC-31-200T  NATIONALITY AND REGISTRATION  NBC-31-200T		MA					F			
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I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto heve 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 the U.S. Federal Aviation Regulations	TE					,	······································	<del></del>		•
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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. craft nationality and registration mark and date work completed.) Identify with air-

rifig graduke .

Installed second Transponder P/N KT-76A S/N 24297. Factory supplied installation kits and drawings used. Installation complies with applicable secyions of AC 43.13-2 chapters 2 & 3 Performed Transponder and system check per FAR 91.187. Weight and balance and equipment list ammended.

ADDITIONAL SHEETS ARE ATTACHED

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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

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. craft nationality and registration mark and date work completed.)

## Removed from Aircraft:

King KX-175B Nav/Com King KI-203 Indicator King KMA-20 Audio Panel Mitchell 52054 Directional Gyro

#### Installed:

King KCS-55A Pictorial Nav System

KN-72 Vor/Loc Converter

Nav Receiver KN-53

KY-197 Com KMA-24 Audio Panel Davtron 902A-1

Installation done using factory supplied installation kits and drawings. Installation conforms to applicable sections of A.C. 43.13-2, Chapters 2 & 3. Weight and balance and equipment list ammended.

ADDITIONAL SHEETS ARE ATTACHED

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