



SARSAT Beacon Registration
NOAA/SARSAT
NSOF, E/SPO53
1315 East West Hwy
Silver Spring, MD 20910

BRUCE EISENHARD
PO BOX 339 6790 N LAKE BLVD
TAHOE VISTA, CA 96148

August 15, 2019

Beacon ID:	Type:	Registration Expiration:
2DC88 5A924 FFBFF	ELT	August 15, 2021

Dear Beacon Owner/Operator:

Thank you for renewing the registration for your 406 MHz emergency beacon. Please take a few moments now to verify your beacon ID, check/update your registration information, and attach your registration decal as described below.

VERIFY YOUR BEACON ID: Please verify that the 15-character beacon ID (also known as the beacon UIN or 15-hex ID) listed above is identical to the 15-character manufacturer/installer programmed UIN displayed on your beacon's manufacturer-provided label. *If the beacon ID registered with NOAA is not identical to the manufacturer/installer UIN, please contact us immediately.*

CHECK/UPDATE YOUR REGISTRATION INFORMATION: The registration information you provided has been entered into our database and a printout of that information appears on the back of this letter. Please review the printout to ensure that all of your information, especially the emergency points of contact, is correct. If changes are necessary, you can make them online 24/7 via our website. If you lack online access, please mail or fax an updated copy of the registration to us. Remember, if your beacon is activated, the information in your registration is provided with the distress message transmitted to Search and Rescue (SAR) forces, assisting them in locating you in a timely manner and possibly saving your life.

ATTACH YOUR REGISTRATION DECAL: We recommend attaching the registration decal at the top of this letter to your cockpit dash, near the ELT activation switch, in such a way that it is easily visible. ~~If this is not an option, please keep the decal on the inside of the aircraft's log book or on the aircraft's ID plate.~~ *Be sure the area is clean and dry before affixing the decal.*

Please read your beacon owner's manual carefully for instructions on proper installation and operation of your beacon to ensure that the beacon works properly and is used in a manner that eliminates false alerts that waste valuable SAR resources. If you have questions about information in the owner's manual, please contact the beacon manufacturer directly.

This letter is the proof-of-registration for your beacon; please retain it for your records. We will send you a renewal reminder approximately 2 months before your 2-year registration expires. If you have any questions regarding beacon registration, please contact the NOAA SARSAT Beacon Registration Team.



NOAA SARSAT Beacon Registration Team

www.beaconregistration.noaa.gov | beacon.registration@noaa.gov

Toll-Free: 1.888.212.7283 (SAVE) | Local: 301.817.4515 | Fax: 301.817.4565





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

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 N1937Y	Serial No. 244			
	Make MOONEY	Model M20E	Series		
2. Owner	Name (As shown on registration certificate) EISENHARD BRUCE T TRUSTEE		Address (As shown on registration certificate)		
			Address PO BOX 339		
			City TAHOE VISTA		State CA
			Zip 96148	Country PLACER	

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 Jeffrey P. Fay		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	
Address 10356 Truckee Airport Rd, Hangar #1		<input type="checkbox"/> Foreign Certificated Mechanic	
City Truckee State CA		<input type="checkbox"/> Certified Repair Station	
Zip 96161 Country _____		<input type="checkbox"/> Certified Maintenance Organization	
		C. Certificate No. 2679315A&P	

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 Jeffrey P. Fay 11/11/2019
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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. 2679315IA	Signature/Date of Authorized Individual Jeffrey P. Fay 11/11/2019
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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.

Work performed on this aircraft

8. Description of Work Accomplished

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

N1937Y

11/11/2019

Nationality and Registration Mark

Date

Replaced existing OEM tail beacon with uAvionix TailBeacon assembly, Part # UAV-1002183-001 in accordance with TailBeacon STC Installation Guide, document # UAV-1002514-001. Used existing OEM position light circuit and confirmed appropriate per AC43.13-1b Chapter 11, Section 5 and 6.

Red position light was terminated to the TailBeacon position light wire (red wire) using connector. TailBeacon ground wire (black wire) was terminated to airframe structure through connector.

Placard installed next to position light switch, "NAVIGATION LIGHTS MUST REMAIN ON FOR ADS-B OUT".

Configuration of the TailBeacon was provided with the aircraft flight instructions for continued airworthiness part # UAV-1002513-001 and provided with the aircraft logbooks.

2. Instructions for continued airworthiness: uAvionix document # UAV-1002513-001.
3. Aircraft flight manual supplement: uAvionix document # UAV-1002512-001.
4. Airworthiness limitations: No additional airworthiness limitations.
5. Change to weight and balance is negligible. Equipment list was not revised.
6. The above modification was found not to interfere with other installed system and/or modification and does not exceed 80% of generator output. No adverse interference to radios and navigation systems from RFI was found while operating the TailBeacon during the configuration process. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227.

Additional Sheets Are Attached

Information Collection Burden Reduction Act Statement: The reason for collecting this information is to track major maintenance performed on aircraft. The collected information is used as part of the aircraft's historical file. The public reporting burden for this collection of information is estimated to average 30 minutes per response. Responses are mandated by 14 CFR Part 43. Collected information becomes part of the public record and no confidentiality is required. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection is 2120-0020. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

1. Approving Civil Aviation Authority/Country: **FAA/UNITED STATES**

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **H-S080766**

4. Organization Name and Address: **HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY. MONTGOMERY, AL 36108 P01383CE-D**

5. Work Order/Contract/Invoice Number: **M390030**

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	STARTER **** END****	149-12LS	1	H-S080766	NEW

12. Remarks: **AIRWORTHINESS APPROVAL- PARTS FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/PMA/**

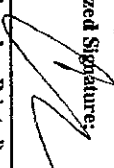
13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service. Other regulation specified in Block 12.

..... Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: 

13c. Approval/Authorization No.: **004343498**

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed): **ERIC W. GERMAN**

13e. Date (dd/mm/yyyy): **10/AUG/2018**

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005

1. Approving Civil Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: S390578 - 3 *DM*

4. Organization Name and Address: **AmSafe, Inc.**
 1043 North 47th Avenue
 Phoenix, Arizona 85043


5. Work order/Contract/Invoice Number: *DM*
 S390578 - 3
 PAGES ATTACHED

Cert. No. **PT1967NM**

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	REST SYS ASSY WO/IR	3197-3-041-2396	2		NEW

12. Remarks: Drawing: 3197
 Rev: C
 TSO: TSO-C114

DATE CODE: A0818



AIRWORTHINESS APPROVAL

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for sale operation

Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: *Jacqueline Melchor*

13c. Approval/Authorization No.: **ODDA602112NM**

13d. Name (typed or printed): **JACQUELINE MELCHOR**

13e. Date (dd/mm/yyyy): *15/AVG/2018*

14b. Authorized Signature: *[Crossed out]*

14c. Authorized/Certificate No.:

14d. Names (typed or printed): *[Crossed out]*

14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

I certify that the article(s) listed below:

- *Conforms to all applicable drawing dimensions and specifications.
- *(If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- *(If applicable) Conforms to British CAA specifications.
- *(If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- *Meets all the requirements of TSO-C114.
- *The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- *The conditions and tests required for TSO approval of this article are minimum performance standards.
- *It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard.
- *TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or applicable airworthiness requirements.
- *For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

CUSTOMER NAME: ALPHA AVIATION	SALES ORDER NO. S390578
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Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
3	3755	3197-3-041-2396	C	N/A	NONE	A0818	2

This document is the property of the customer and should remain with the articles listed above.
PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

REMARKS:

NEW

AMSAFE INC
 1043 NORTH 47th. AVENUE
 PHOENIX, ARIZONA 85043 USA
 PHONE: (602) 850-2850 FAX:(602) 850-2812



 QUALITY ASSURANCE REPRESENTATIVE DATE

CUSTOMER

Authority/Country:

FAA/United States

Authorized Release Certificate

FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

57713

4. Organization Name and Address



TGH AVIATION INSTRUMENTS & AVIONICS

2389 Rickenbacker Way, Auburn, CA 95602-9537
(530) 823-6204 Fax (530) 823-5875
www.tghaviation.com
FAA CRS# NG3R709L

5. Work Order, Contract, or Invoice No.:

57713

6. Item:

1 DIRECTIONAL GYRO

8. Part Number:

RCA11A-8

9. Quantity:

1

10. Serial Number:

901947

11. Status/Work:

Overhauled

12. Remarks:

The above unit was overhauled, tested and certified airworthy in accordance with FAA approved engineering/technical maintenance data. Pertinent details of the work performed, including all test results are on file at FAA approved repair station NG3R709L. TGH certifies that the work specified in Blocks 11 and 12 were carried out in accordance with FAR 145 and EASA IFR 145 with respect to that work, the aircraft component is considered ready for release to service under CAA or EASA Acceptance Certificate Number EASA 145.4505.

Life Limited parts must be accompanied by maintenance history including total time/total cycles/time since new

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in block 11 and described in Block 12 was accomplished with Title 14, Code of Federal Regulations, part 43 and in respect to the work, the items are approved for return to service.

14b. Authorized Signature:

14c. Approval/Certificate No.:

NG3R709L

14d. Name (Typed or Printed):

G. QUIRK

14e. Date (dd/mm/yyyy):

28 SEP 2017

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine/propeller/article from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



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

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 N1937Y	Serial No. 244			
	Make MOONEY	Model M20E	Series		
2. Owner	Name (As shown on registration certificate) EISENHARD, BRUCE TRUSTEE		Address (As shown on registration certificate)		
			Address PO BOX 339		
			City TAHOE VISTA	State CA	
			Zip 96148	Country United States	

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	Jeffrey P. Fay	<input checked="" type="checkbox"/>	U. S. Certificated Mechanic
Address	10356 Truckee Airport Rd, Hangar #1	<input type="checkbox"/>	Manufacturer
City	Truckee State CA	<input type="checkbox"/>	Foreign Certificated Mechanic
Zip	96161 Country _____	<input type="checkbox"/>	Certificated Repair Station
		<input type="checkbox"/>	Certificated Maintenance Organization
		2679315A&P	

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 29 SEPT 2017
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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. 2679315IA	Signature/Date of Authorized Individual 29 SEPT 2017
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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.)

N1937Y

09/28/2017

Nationality and Registration Mark

Date

Installed Artex ELT 345, ref. Installation and Operations Manual Y1-03-0282, Rev. B, issued August 6, 2015.
Complied with ELT check IAW FAR 91.207(d), tested satisfactory. Inspection and testing procedures can be found in document Y1-03-0282, Rev. B, issued August 6, 2015, page 25-33. --END--

Additional Sheets Are Attached