

United States of America  
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate  
Number SA02503AK

*This certificate issued to*

AMSAFE, Inc.  
1043 N. 47<sup>th</sup> Avenue  
Phoenix, Arizona 85043

*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:*

*Make:*

*Model:*

\* Refer to Approved Model List SA02503AK,  
dated July 12, 2018, or later FAA approved  
revision.

*Description of Type Design Change:*

Installation of AMSAFE State of the Art Restraint System (SOARS) inflatable restraints in accordance with Master Data List MDL7336, Revision B, dated July 11, 2018, or later FAA approved revision.

*Limitations and Conditions:*

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
3. The SOARS is an approved replacement for installed 2- or 3-point restraints.

(Limitations and Conditions continued on page 3 of 3)

*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:* December 11, 2017

*Date reissued:*

*Date of issuance:* July 12, 2018

*Date amended:* December 12, 2018



*By direction of the Administrator*

*(Signature)*

August A. Asay  
Manager, Anchorage ACO Branch

*(Title)*



INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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) (Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_ *(Number and street)*

\_\_\_\_\_ *(City, State, and ZIP code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_

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

*Number* SA02503AK

*Limitations and Conditions* (Continued):

4. Flight Manual Supplement Document Number AFMS7336, Revision C, dated July 10, 2018, or later FAA approved revision is required.
5. Maintain system in accordance with AMSAFE Document ICA7336, Revision B, dated July 3, 2018, or later FAA accepted revision.

*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 is as follows:

- a. The type certified basis for parts not changed or not affected by the change is shown on the TCDS listed on Approved Model List SA02503AK, dated July 11, 2018, or later FAA approved revision.
- b. The modification certification basis for parts changed or affected by the change since the reference application date, December 11, 2017, is based upon 14 CFR part 23 as amended by Amendment 23-64 as follows:

23.1529, 23.2010, 23.2210, 23.2230, 23.2235, 23.2240, 23.2250, 23.2255, 23.2260, 23.2265, 23.2270, 23.2320, 23.2325, 23.2500, 23.2505, 23.2510, 23.2515, 23.2535, 23.2545, 23.2600, 23.2605, 23.2610, 23.2620.

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U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Aircraft Certification Service  
Compliance & Airworthiness Division

Anchorage ACO Branch  
222 W. 7th Ave, #14  
Anchorage, AK 99513-7587

December 12, 2018

Mr. Daniel Londonson  
Amsafe, Inc.  
1043 N. 47<sup>th</sup> Ave.  
Phoenix, AZ 85043

Subject: Supplemental Type Certificate (STC) Project Number SA02177AK-A

Dear Mr. Londonson:

We have completed our evaluation of your STC project number SA02177AK-A, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed STC number **SA02503AK**, which indicates our approval for the installation of the Amsafe State of the Art Restraint System (SOARS). This letter also constitutes Federal Aviation Administration (FAA) acceptance of Instructions for Continued Airworthiness ICA7336, Revision C, dated September 24, 2018.

This STC is official FAA approval of your modification part design and installation. It may be used to authorize identical installations in other aircraft of the same model, subject to the limitations noted on the certificate. This STC may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Title 14, Code of Federal Regulations (14 CFR) section 21.47. You are required to advise this office within 30 days after the transfer, when you transfer, or grant licensee rights to this STC in order that we may take the necessary recording or reissuance action.

If you make any changes to your FAA approved design data, you must report these changes to the FAA. **Minor** design changes may be submitted to this office for approval at regular intervals, but **must** be submitted within six months after you place them into production. **Major** design changes must be submitted to this office for approval **before** you place them into production.

As recipient of this certificate, you are required to comply with the failure, malfunction, and defect reporting requirements of 14 CFR section 21.3. Reports should be communicated initially by telephone to the Manager of the Anchorage ACO Branch, telephone number (907) 271-2668, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Anchorage ACO Branch; 222 West 7th Avenue, Unit 14, Anchorage, Alaska 99513-7587, is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

Finally, I would like to personally congratulate you on your success as an FAA approval holder and say that I look forward to working with you in the future.

All data pertaining to this modification are contained in the project file. If you have any further questions regarding the STC, please contact Ms. Della Swartz at (907) 271-2672.

Sincerely,

A handwritten signature in black ink, appearing to read "August A. Asay". The signature is fluid and cursive, with the first name "August" and last name "Asay" clearly distinguishable.

August A. Asay  
Manager, Anchorage ACO Branch  
Compliance & Airworthiness Division  
Aircraft Certification Service

Enclosure