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

# *Supplemental Type Certificate*

*Number:* SR01552SE

*This certificate issued to:* Carson Helicopters, Inc
952 Blooming Glen Road
Perkasie, PA 18944

*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 29 *of* Title 14 Code of Federal Regulations.

*Original Product Type Certificate Number:* H2EA,1H15

*Make:* Sikorsky

*Model:* S-61A , S-61V, S- 61N

*Description of Type Design Change:*

1. Fabrication and installation of an external aerial liquid dispensing tank in accordance with Carson Helicopters, Inc's MDL, CHI-FK-MDL, Revision C dated December 4, 2020 or later approved revision, and ICA, CHI-FK-MM, Revision 3 dated August 25, 2021, or later approved revision.

2. Operation in accordance with Carson Helicopters, Inc's RFMS, CHI-FK-FM-S-61A/V, Revision 0 dated August 27, 2021 or CHI-FK-FM-S61N, Revision 0 dated August 27, 2021, or later approved revisions.

3. Instructions for Continued Airworthiness in accordance with ICA, CHI-FK-MM, Revision 3 dated August 25, 2021, or later approved revision.

*Limitations and Conditions:*

(SEE CONTINUATION SHEET)

*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 14, 2004

*Date Reissued:* August 19, 2013; February 12, 2020

*Date of Issuance:* June 3, 2005

*Date Amended:* June 14, 2007; March 30, 2009;September 1, 2021

*By Direction of the Administrator*

*Signature:*

Timothy J. Hadsall
Acting Manager, New York ACO Branch
Compliance and Airworthiness Division

*Title:* Aircraft Certification Service

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:* SR01552SE

***To** (Name and address of transferee):*

***From** (Name and address of grantor):*

*Extent of Authority (if licensing agreement):*

*Date of transfer:*

*Signature of grantor:* _____

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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# *Supplemental Type Certificate*

*(Continuation Sheet)*

*Number:* SR01552SE

Limitations and Conditions (continued):

1. Airworthiness Limitations described in Chapter 2.2 of Carson Helicopters, Inc's ICA, CHI-FK-MM, Revision 3 dated August 25, 2021, or later approved revision.

2. Operating Limitations described in Section 1.2 of Carson Helicopters, Inc's RFMS, CHI-FK-FM-S61AV, Revision 0 dated August 27, 2021 or CHI-FK-FM-S61N, Revision 0 dated August 27, 2021, or later approved revisions.

3. Copies of this Certificate, FAA approved RFMS and ICA must be maintained as part of the permanent records of the modified helicopter.

4. The helicopter must have Carson Helicopters, Inc's Composite Main Rotor Blade installed per STC SR01585NY and other landing gear and hydraulics modifications as specified in Section 1.2 of Carson Helicopters, Inc's RFMS, CHI-FK-FM-S61A/V, Revision 0 dated August 27, 2021 or CHI-FK-FM-S61N, Revision 0 dated August 27, 2021, or later approved revisions.

5. This modification must be installed on the model helicopters listed above including S-61Ns with or without "50 inch Reduction in Fuselage Length" per STC SH640NE.

6. This approval should not be extended to other rotorcraft 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 rotorcraft.

7. The installer must determine whether this design change is compatible with other previously approved modifications.

8. 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.

..... END .....

Any alteration of this certificate and/or the Type Certificate Data Sheet is punishable by a fine 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 Title 14 of the Code of Federal Regulations, part 21, section 21.47 (14 CFR 21.47). A transfer must be endorsed as provided on the reverse hereof. A Type Certificate holder who allows a person to use the Type Certificate to manufacture a new aircraft, aircraft engine, or propeller must provide that person with a written licensing agreement acceptable to the FAA. (Ref. 14 CFR 21.55).