

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

*Number* SR02336AK

*This certificate issued to* Carson Helicopters Inc.  
925 Blooming Glen Rd  
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 7 of the Civil Air Regulations*

*Original Product – Type Certificate Number:* 1H15  
*Make:* Sikorsky Aircraft  
*Model:* S-61L and S-61N

*Description of Type Design Change:* Installation of an Integrated Cockpit Display System (ICDS) with an Attitude and Heading Reference System (AHRS) for Dual Pilot Instrument Flight Rules Category A and B operation in accordance with Vector Aerospace Helicopter Services Inc. “Master Drawing List”, HP 61-34-33-105, Revision A, dated February 28, 2011, 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) Instructions for Continued Airworthiness (ICA), Vector Aerospace Helicopter Services Inc., document number HP 61-34-33-253, Revision A, dated March 8, 2011, or later FAA accepted revisions are a required part of this modification.

(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:* September 10, 2007

*Date reissued:* July 29, 2011

*Date of issuance:* February 17, 2009

*Date amended:* March 10, 2011



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)

August Asay  
Manager, Anchorage Aircraft Certification Office

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(Title)

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(Continuation Sheet)

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- 4) Rotorcraft Flight Manual Supplement (RFMS), Vector Aerospace Helicopter Services document number HP 61-34-33-304 PART 1, Rev A, dated March 10, 2011, or later FAA approved revision is required to be carried on the rotorcraft as part of this modification.

*Certification Basis:*

Based on Title 14 Code of Federal Regulations Part 29, including Appendix B, effective February 26, 2009, as amended by Amendments 29-0 through 29-51 except:

- Special Condition for Turbine Power Rotorcraft in FAA letter to Sikorsky Aircraft, March 31, 1961. FAA telegram, Performance Requirements, dated August 7, 1961. Amendment 29-3 to Part 29 of the Federal Aviation Regulations, effective February 25, 1968, eliminated the requirements of CAR 7.350(e) by deleting FAR 29.771(e and f).
- Model S-61L: Exemptions No 178, dated August 9, 1961, and Exemption No. 186, dated October 6, 1961, and Exemption No. 244, dated January 30, 1963.
- Model S-61N: Exemption No. 186A, dated November 28, 1962.
- Model S-61N at 19,000 to 20,500 lbs gross weight: FAR 29.563, FAR 29.801, and FAR 29.807 of Amendment 12, effective February 1, 1977, to FAR Part 29.

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