



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

Federal Aviation Administration  
Northwest Mountain Region

1601 Lind Avenue Southwest  
Renton, Washington 98057

MAR - 1 2007

In Reply  
Refer To: 120S-GA-07-13

Mechanical Specialties, LLC.  
1000 85<sup>th</sup> Ave. SE  
Olympia, WA 98501

Dear Mr. McClenahan:

We have completed our evaluation of your Supplemental Type Certificate (STC) Project Number ST10147SE-R, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed STC SR01739SE, dated February 22, 2007, for the installation of cargo hook MSI 6111 on Sikorsky Aircraft, model S-61N.

This STC is official FAA approval for your installation and may be used to authorize identical installation on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or re-issuance action.

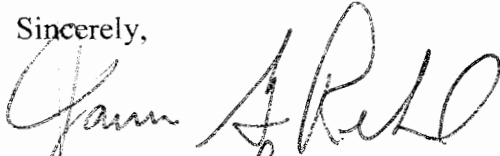
If you agree to permit another person to use this STC to alter the product, it is your responsibility to give the other person written evidence of that permission in the form of a "permission statement." This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given the consent to use the STC.

As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c). The report should be communicated initially by telephone to the Manager, Airframe Branch, ANM-120S, telephone number (425) 917-6424 within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Seattle Aircraft Certification Office, ANM-100S, at the above address is required.

If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with reference to the STC number, and should be addressed to the Federal Aviation Administration, Transport Airplane Directorate, Attention: Manager, Seattle Manufacturing Inspection District Office, 2500 E. Valley Road, Suite C-2, Renton, Washington 98055-4056.

Since I am very much interested in the service we provide to the aviation community and the general public, it would be helpful if you would provide your thoughts and comments regarding how the approval process went. To gather this information, we have enclosed a short survey (with a self-addressed, stamped envelope) that I hope you will fill out and return. You will note that the return envelope is addressed to me. You may rest assured that your comments will receive my full attention and that I will hold your comments in strict confidence, should you request I do so. Please note that this customer service survey is common to all Aircraft Certification Offices within the FAA's Aircraft Certification Service and is aimed at enabling the Aircraft Certification Service to deliver the best services to each of our customers.

Sincerely,



Jeffrey E. Duven *for*  
Manager, Seattle Aircraft  
Certification Office

Enclosures

United States of America  
Department of Transportation-Federal Aviation Administration

# Supplemental Type Certificate

Number **SR01739SE**

*This certificate, issued to*

**Mechanical Specialties, LLC.  
1000 85<sup>th</sup> Ave SE  
Olympia, WA 98501**

*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 7 of the Civil Air Regulations and Part 29 of the Federal Aviation Regulations.*

*Original Product—Type Certificate Number:* 1H15  
*Make:* Sikorsky Aircraft  
*Model:* S-61N, S-61N shortened version (STC SH640NE), and  
S-61N shortened version (STC SR00283SE)

*Description of the Type Design Change:* Installation of a Mechanical Specialties, Inc. model 6111, 11,000 pound capacity cargo hook as a direct replacement for Breeze Eastern models SP-7070-2 or SP-7102-1 cargo hooks, and to be used with Carson Services, Inc. 11,000 pound capacity cargo sling (STC SH639NE) or Helipro Corporation International's 11,000 pound capacity cargo sling (STC SR00427SE).

*Limitations and Conditions:* Approval of this change in type design applies only to the rotorcraft model listed above. This approval should not be extended to other rotorcraft of this model on which other previously approved modification are incorporated unless it is determined that the relationship between this change and any other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that rotorcraft. A copy of this Certificate, must be maintained as part of the permanent record of the modified rotorcraft.


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 Aviation Administration.*

*Date of application:* October 17, 2006  
*Date of issuance:* February 22, 2007

*Date reissued:*  
*Date amended:*



*By direction of the Administrator*  
  
(Signature)  
Acting Manager, Seattle Aircraft Certification Office  
(Title)