



Your Ref. :  
Our Ref. : DCA/AW/VSTC/2017/006  
Date : 26<sup>th</sup> March 2017

**Onboard Systems International**  
13915 N.W. 3<sup>rd</sup> Court  
Vancouver, WA 98685  
United States of America

Attn: **Mr. Mark Hanson**  
Certification Manager

Dear Sir,

### **VALIDATION OF FAA SUPPLEMENTAL TYPE CERTIFICATE NO. SR01808SE**

This is in reference to FAA letter 102S-16-291 dated Dec 29, 2016 and your letter to the FAA dated December 15, 2016 requesting validation of FAA Supplemental Type Certificate (STC) No. SR01808SE date amended 30 September 2016.

This letter certifies that the following Supplemental Type Certificate (STC) is acceptable for Malaysian Airworthiness Certification:-

<b>STC Validation Reference No:</b>	<b>VSTC/2017/006</b>
<b>STC Holder:</b>	<b>Onboard Systems International</b>
<b>STC Reference Number:</b>	<b>SR01808SE date amended 30 September 2016 or later FAA approved revision.</b>
<b>National Aviation Authority / State of Design:</b>	<b>FAA / USA</b>
<b>Description of Design Change:</b>	<b>Installation of Onboard Systems International Cargo Hook Kit</b>
<b>STC applicable to Aircraft/ Engine type or model:</b>	<b>Robinson R44, R44 II</b>
<b>DCA Type Acceptance:</b>	<b>Aircraft type accepted at the time when first Certificate of Airworthiness was issued in Malaysia</b>

#### **Limitations and Conditions:-**

1. Installation of Onboard Systems International Cargo Hook Kit in accordance with the Master Drawing List (MDL) No. 155-124-00, Revision 17, dated August 5, 2016 or later Federal Aviation Administration (FAA) approved revision.
2. Approval of this change in type design applies only to Robinson rotorcraft models R44 and R44 II which are equipped with Robinson hard point / tie down block Part Number (P/N) D134-1.

3. Cargo Hook Kit Model 200-326-00 is eligible for installation on those rotorcraft with 14 volt electrical systems.
4. Cargo Hook Kit Models 200-327-00, 200-327-01, 200-340-00 and 200-396-00 are eligible for installation on those rotorcraft with 28 volt electrical systems.
5. This approval should not be extended to rotorcraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer 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.
6. Modified rotorcraft shall be maintained in accordance with FAA-accepted Instruction for Continued Airworthiness (ICA), Document No. 123-030-00, Revision 9, dated July 29, 2016, or later FAA-accepted revision.
7. Modified rotorcraft shall be operated in accordance with FAA-approved Rotorcraft Flight Manual Supplements, Document No. 121-048-00, Revision 3, dated March 29, 2016, or Document No. 121-051-00, Revision 2, dated March 29, 2016, as applicable.

**Notes:**

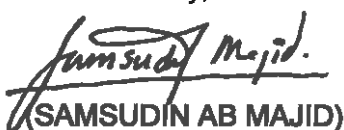
- a. Maximum operational air speed of the modified rotorcraft with external loads is dependent upon the load configuration and sling length. **The operator shall establish the maximum operational speed for each specific configuration.**
  - b. Performance of modified rotorcraft will be reduced depending on the size, weight and shape of the external load. **The operator shall establish the performance criteria for each specific configuration.**
  - c. **Centre of gravity limits shall be checked by the operator with and without the external load to verify that the rotorcraft is within the approved centre of gravity limits.**
8. A copy of STC SR01808SE, the MDL, and the applicable ICA, Owner's Manual, and RFMS shall be maintained as part of the permanent records of the modified rotorcraft.
  9. If the holder agrees to permit another person to use STC SR01808SE to alter the product, the holder shall give the other person written evidence of that permission.
  10. Appropriate installation approval shall be obtained for the embodiment of STC SR01808SE.
  11. Human External Cargo (HEC) operation is prohibited.
  12. **The validation of this STC does not constitute operational approval.**
  13. All other limitations and conditions as stated in STC SR01808SE apply.

This validation letter shall remain valid unless otherwise cancelled, superseded or revoked by the Director General of Civil Aviation.

Thank You.

**"BERKHIDMAT UNTUK NEGARA"**

Yours faithfully,

  
(SAMSUDIN AB MAJID)

Airworthiness Sector  
For Director General Civil Aviation  
MALAYSIA