United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SR00357BO

This certificate issued to: PHI, Inc.
2001 SE Evangeline Thruway
Lafayette, LA 70508

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 27 *of the Federal Aviation Regulations.*

Original Product – Type Certificate Number: H2SW

Make: Bell
Model: 407

Description of Type Design Change:
Installation of a Sandel Avionics ST3400H Helicopter Terrain Awareness and Warning System (HTAWS) in accordance with PHI, Inc. Master Drawing and Document List PHI-407-DL-0014, revision 2, dated 17 December 2015, or later FAA approved revision.

Limitations and Conditions:

1. This STC is limited to Bell 407 helicopters in the serial numbers range of 53000 to 54299. Serial numbers 54300 and subsequent (407GX commercial designation) are ineligible.
2. Operation must be in accordance with Rotorcraft Flight Manual Supplement (RFMS), document number PHI-959-407-HTAWS-002, revision 0, dated 16 December 2015, or later FAA approved revision. The RFMS must be carried in the aircraft during all flights.

(See Continuation Page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: 07 July 2015

Date reissued:

Date of issuance: 14 January 2016

Date amended:

By direction of the Administrator

Signature _____

Title Douglas M. England
Lead ODA Administrator - Pro Star Aviation, LLC
ODA-833063-NE

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: SR00357BO

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Limitations and Conditions, continued:

3. Maintenance is to be performed in accordance with Instructions for Continued Airworthiness (ICA), document number PHI-407-ICA-0011, revision 7, dated 11 November 2015, or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.
4. The installer must determine that the interrelationship between this installation and any previously approved modifications will not introduce any adverse effect upon the airworthiness of the aircraft.
5. 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.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the installation of the Sandel Avionics ST3400H HTAWS in a Bell 407 aircraft is as follows:

a. The type certification basis for the Bell 407 aircraft is shown in TCDS H2SW for parts **not changed or not affected** by the change.

b. The certification basis for parts **changed or affected** by the change since the reference date of application, 07 July 2015, is based upon Part 27 as amended by Amendment 27-47. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 27-0 through 27-47

None

Regulations at an intermediate amendment

None

Regulations at the amendment level in TCDS H2SW

14 CFR §§ 27.301, 27.303, 27.305, 27.307, 27.321, 27.337, 27.341, 27.561, 27.601, 27.603, 27.605, 27.609, 27.610, 27.611, 27.613, 27.619, 27.625, 27.771, 27.773, 27.777, 27.779, 27.1301, 27.1307, 27.1309, 27.1321, 27.1322, 27.1327, 27.1351, 27.1357, 27.1365, 27.1367, 27.1381, 27.1501, 27.1529, 27.1541, 27.1555, 27.1581, 27.1583, 27.1585, A27.1, A27.2, A27.3, A27.4.

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