



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number SA00345BO

This certificate issued to:

ATI Engineering Services, LLC
11 White Oak Lane
Woodbridge, Connecticut 06525

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 3 of the Civil Air Regulations and Part 23 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: A9EA
Make: Viking Air Limited
Model: DHC-6-400

Description of Type Design Change:

Installation of an NVIS / NVG Compatible Lighting System in accordance with Installation Drawing List IDL-131023, Revision 1, dated August 27, 2014, or later FAA-approved revision.

Limitations and Conditions:

1. The Airplane Flight Manual Supplement FMS-131023, Revision -, dated July 21, 2014, or later FAA-approved revision must be carried on the airplane during all flights.
2. Maintenance must be in accordance with the Instructions for Continued Airworthiness (ICA) ICA-131023, Revision -, dated July 22, 2014, or later FAA-approved revision.

(continued on Page 3 of 4)

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: December 20, 2013

Date reissued:

Date of Issuance: September 19, 2014

Date amended:

By direction of the Administrator

Signature _____
Robert G. Mann

Manager, Boston Aircraft Certification Office
Title _____

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).

**SUPPLEMENTAL TYPE CERTIFICATE, FAA FORM 8110-2
(CONTINUED)**

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:*

To *(Name of transferee)*

(Address of transferee)

(Number and street)

(City, State, and ZIP Code)

From *(Name of
grantor)*

(Address of grantor)

(Number and street)

(City, State, and ZIP Code)

Extent of Authority (if licensing agreement):

Date of Transfer:

Signature of grantor:



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Limitations and Conditions: (continued from Page 1 of 3)

3. The ICA must be made available to the operator at the time of installation.
4. Installation of this NVIS system does not authorize the operator to use NVGs. If the type of operation requires an operational authorization, the operator must coordinate with the FAA or with the responsible aviation authority to obtain this authorization.
5. Once an airplane is modified with this STC, any future interior or exterior modification that adds or changes systems that emit or reflect light has the potential to adversely affect NVG compatibility and may require a reevaluation by the responsible FAA Aircraft Certification Office.
6. Compatibility of this design with previously approved modifications must be determined by the installer.

Certification Basis:

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for design changes that are identified as not significant in FAA Order 8110.48, the certification basis for the Viking Air Limited DHC-6-400 aircraft with the installation of the NVIS / NVG Compatible Lighting System is as follows:

- a. The type certification basis for parts **not changed or not affected** by the change is shown on TCDS A9EA.
- b. The modification certification basis for parts **changed or affected** by the change since the reference application date, December 20, 2014, is based upon 14 CFR Part 23 as amended by Amendment 23-62 as follows:

Regulations at the latest amendment 23-0 through 23-62

23.1, 23.25(a), 23.771(a), 23.773(a)(2), 23.853(a), 23.867(a), 23.1301, 23.1308, 23.1309(a)(c), 23.1311(a)(1)(2), 23.1321(e), 23.1322, 23.1351(a), 23.1357(a)(b)(c), 23.1359(a)(c), 23.1365(a)(b)(d)(e), 23.1367, 23.1381(a)(b), 23.1383, 23.1385, 23.1401, 23.1431(b), 23.1501, 23.1523, 23.1525, 23.1527, 23.1529, 23.1559(c), 23.1581, 23.1583(g)(h)

Regulations at an intermediate amendment

None

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Regulations at the amendment level in TCDS A9EA

None

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