

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

Number SA5002NM

This certificate issued to General Dynamics, Advanced Information Systems
1200 Joe Hall Drive
Ypsilanti, MI 48197

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 46 of the Civil Air Regulations as annotated in Type Certificate 6A6

Original Product - Type Certificate Number : 6A6

Make : Kelowna Flightcraft R & D Ltd.

Model : 340/440

Description of Type Design Change:

Installation of provisions for side looking radar and forward sensor mounting in accordance with FAA Approved ATS Drawing List Document Number 1818, Rev. "R," dated June 27, 2012 or later FAA approved revision. General Dynamics Advanced Information Systems FAA Approved Airplane Flight Manual Supplement No. STC SA5002NM, dated April 23rd 2012, or later FAA Approved Revision is required as part of this installation.

Limitations and Conditions :

- 1) A FAA approved oxygen system must be installed for the occupants of the operator seats.
- 2) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 3) A copy of this certificate or later FAA approved revision must be maintained as part of the permanent records for the modified aircraft.
- 4) 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.
- 5) Continued on Page 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 : January 5, 1990

Date reissued : October 12, 2011

Date of issuance : September 18, 1990

Date amended : November 14, 1991, July 2, 2012

By direction of the Administrator

Original Signed By:

Karol Mordasiewicz
(Signature)

Karol Mordasiewicz
Manager, Airframe and Administrative Branch
Chicago 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.

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Supplemental Type Certificate
(Continuation Sheet)

Number

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Supplemental Type Certificate
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Number SA5002NM

Date of Issuance: September 18, 1990

Date Amended: July 2, 2012

Limitations and Conditions (Continued)

This approval is limited to aircraft modified in accordance with Supplemental type Certificate No. SA4-110 and the following:

1. Weight Limitations

Maximum take-off weight 56,600 pounds
Maximum landing weight 51,080 pounds
Maximum zero fuel weight 45,000 pounds

To obtain gross weight limitation reduce the maximum weight permitted by the altitude and temperature of the airport by 1,556 pounds.

2. Center of Gravity Limits

Inches aft of datum

(378.1) to (398.8) at 56,600 pounds
(376.6) to (389.8) at 53,680 pounds
(371.5) to (389.8) at 45,000 pounds
(365.8) to (389.8) at 39,500 pounds

Straight line variation between points given

3. Flight into known icing conditions is prohibited.

4. Speed Limitations

Pressure Altitude – Feet

Maximum Operating Speed V_{mo}/M_{mo} Knots

	<u>CAS</u>	<u>IAS</u>
Sea Level	270	271
8,000 ft.	270	271
15,000 ft.	238	239
25,000 ft.	193	194

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