



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

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Fort Worth Aircraft Certification Office, ASW-140
10101 Hillwood Parkway
Fort Worth, TX 76177

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

June 1, 2016

Mr. Brian Spencer
BE Aerospace Inc.
DBA SMR Technologies, Inc.
93 Nettie Fenwick Rd
Fenwick, WV 26202-4000

Dear Mr. Spencer:

We have completed our evaluation of your Supplemental Type Certificate (STC) project, Federal Aviation Administration (FAA) project number ST07439NY-T, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Enclosed is STC ST09858AC dated June 1, 2016, which approves the replacement of certain OEM pneumatic deicer boots in accordance with SMR Technologies, Inc., Pneumatic De-Icer Layout for Bombardier DHC-8-100 series, -200 series, -300 series, and -400 series aircraft. A copy of this STC should be provided with each installation. Instructions necessary for the installer to complete and inspect this design change must be provided with parts shipments. Modified aircraft should be returned to service by means of an FAA Form 337 which refers to this STC.

Your responsibility for safety compliance regarding your new STC continues as long as there are any aircraft with valid airworthiness certificates with the STC installed. If you transfer this STC, it can only be done by granting ownership of the STC to a new legal entity, e.g. an individual or a corporation willing and capable of maintaining safety compliance. Such transfer must be initiated by an individual who has authority to act on behalf of the legal entity. In the event the owner is an individual, some form of proof of identity and/or notarization will be required. In the event the owner is a corporation, some proof that the individual transferring the STC on behalf of the corporation has the authority to act on behalf of the corporation will be required. An attestation by the secretary of the corporation with the corporate seal would serve this purpose.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of the same model, subject to the limitations noted on the certificate. After issuance of the STC, Public Law 104-264, Federal Aviation Reauthorization Action of 1996, requires that you issue a "permission statement" to whomever you permit the use of your STC. This permission statement should contain the agreement specifying the product to be altered, the STC number, and the person who is being given consent to use the STC.

This STC may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Title 14, Code of Federal Regulations (14 CFR) part 21.47. You are required 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 reissuance action.

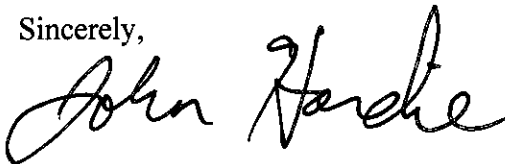
As recipient of this approval, except as provided in 14 CFR §21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in 14 CFR §21.3(c). The report should be communicated initially by telephone to the Manager, Fort Worth Aircraft Certification Office, ASW-140, at (817) 222-5140, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, Fort Worth Aircraft Certification Office, ASW-140, 10101 Hillwood Pkwy., Fort Worth, Texas 76177 is also required. FAA Form 8330-2 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

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 14 CFR §21.303. The identification requirements for parts produced under a Parts Manufacturer Approval (PMA) are in 14 CFR Part 45.15. A PMA may be issued under the provisions of 14 CFR §21.303 when you submit a statement certifying you have established a quality system as required by 14 CFR §21.307. Your statement may be in letter form, with reference to STC ST09858AC, and should be addressed to:

Federal Aviation Administration
Manager, Manufacturing Inspection District Office, ANE-MIDO-44
400 Airport Drive
Bldg 201, Room 102
New Cumberland, PA 17070-3419
Telephone: (717) 782-4425

If you have any further questions, please contact Mr. George Harrum at (817) 222-4087 or george.harrum@faa.gov.

Sincerely,



John Hardie
Acting Manager, Fort Worth Aircraft Certification Office,
Rotorcraft Directorate,
Aircraft Certification Service

Enclosure

cc: MIDO-44 w/o enclosure



United States of America
 Department of Transportation
 Federal Aviation Administration

Supplemental Type Certificate

Number: ST09858AC

This certificate issued to: BE Aerospace Inc., dba SMR Technologies, Inc.
 93 Nettie Fenwick Road
 Fenwick, WV 26202-4000

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 25 of the Federal Aviation Regulations

Original Product – Type Certificate Number:

Make: Bombardier Inc.

Model:

A13NM

DHC-8-100 Series; DHC-8-200 Series; DHC-8-300 Series;
 DHC-8-400 Series

Description of Type Design Change:

Replacement of certain OEM pneumatic deicer boots in accordance with SMR Technologies, Inc. Pneumatic De-Icer Layout, Bombardier DHC-8-100, -200, -300 Series, Document No. SMR5152, revision 8, dated November 23, 2015, and detail design as listed on Master Drawing List MDL-0070, Revision C, dated March 31, 2016, or later FAA approved revisions or Pneumatic De-Icer Layout, Bombardier DHC-8-400 Series, Document No. SMR5277, revision 5, dated November 13, 2015, and detail design as listed on Master Drawing List MDL-0071, Revision C, dated December 14, 2015, or later FAA approved revisions.

Limitations and Conditions:

1. The existing Aircraft Flight Manual (AFM) and Instructions for Continued Airworthiness (ICA) remain unchanged and are applicable to this modification.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.
3. 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.

(See continuation sheet 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: 1/18/2013

Date Reissued:

Date of Issuance: 6/1/2016

Date Amended:

By Direction of the Administrator

Signature

Title John Hardie

Acting Manager, Fort Worth Aircraft Certification Office
 Southwest Region

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).



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

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: ST09858AC

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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).



*United States of America
Department of Transportation
Federal Aviation Administration*

Supplemental Type Certificate

(Continuation Sheet)

Number: ST09858AC

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

4. 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 Bombardier DHC-8-100 Series; DHC-8-200 Series; DHC-8-300 Series; and DHC-8-400 Series replacement of Goodrich pneumatic deicer boots is as shown on the TCDS A13NM for parts changed or affected by the change.

-END-

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