

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

Number ST02281LA

This Certificate issued to Neptune Aviation Services
2 Corporate Way
Missoula, Montana 59808

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: A49EU

Make: BAE Systems Limited

Model: BAe 146-200A

Description of Type Design Change: Approval of installation of internal tank, associated systems and support structure for the aerial dispensing of liquids and maximum zero fuel weight increase from 75,000 to 77,500 pounds in accordance with FAA approved U.S. Technical Index List, Document No. U14-0036 Revision E, dated October 21, 2013, or later FAA approved revision. Approval of installation of internal tank, associated systems and support structure for the aerial dispensing of liquids (without maximum zero fuel weight increase) in accordance with either FAA Approved U.S. Technical Master Drawing List (MDL), Document No. 5280-25-000 Revision J, dated December 21, 2009 or later FAA approved revision, or FAA Approved U.S. Technical MDL, Document No. 5994-25-000 Revision J, dated July 12, 2013 or later FAA approved revision and FAA approved Airplane Flight Manual Supplement, U.S. Technical Document No. U10-0188 Revision NC, dated February 18, 2010, or later FAA approved revision.

Limitations and Conditions:

(Limitations and Conditions continued on pages 3 & 4)

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

Date of application: December 8, 2008

Date reissued: August 5, 2015

Date of issuance: March 5, 2010

Date amended: July 16, 2013; November 1, 2013

Aviation Administration.

By direction of the Administrator



(Signature)

Supervisor, Technical and Administrative
Support Staff
Los Angeles 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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Number ST02281LA Continuation Sheet

Limitations and Conditions (Continued):

The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effects upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. A copy of this STC must be included in the permanent records of the modified aircraft.

Instructions for Continued Airworthiness (ICA):

For March 5, 2010 issuance of this STC, defined by MDL 5280-25-000 Rev J, dated December 21, 2009 or later FAA approved revision: Maintain in accordance with ICA, U.S. Technical Document No's: U10-0189 Release 2, dated September 25, 2009; U10-0190 Release 6, dated March 4, 2010; U10-0191, Release 3, dated September 25, 2009, U10-0192 Release 1, dated September 19, 2009, U6-0152 Revision NC, dated September 29, 2009, U12-0011, Rev NC, dated October 27, 2009, or later FAA accepted revisions.

For July 16, 2013 amendment to this STC, defined by MDL 5994-25-000 Rev J, dated July 12, 2013 or later FAA approved revision: Maintain in accordance with U.S. Technical ICA Document Number: U10-0200 Rev A, dated July 12, 2013 or later FAA accepted revision and the documents listed in section 1.2.

For November 1, 2013 amendment to this STC, defined by MDL 6607-25-000 Rev E, dated October 21, 2013 or later FAA approved revision: Maintain in accordance with U.S. Technical ICA Document Number: U10-0355 Rev B, dated September 16, 2013 or later FAA accepted revision and the documents listed in section 1.2.

The above ICA documents must be made available to the operator at the time of installation.

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 BAE Systems Model BAe 146-200A Air Tanker conversion is as follows:

- a. The type Certification Basis for BAE Systems Model BAe 146-200A is shown on TCDS A49EU 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 application, December 8, 2008, is based upon part 25 as amended by Amendment 25-125 and 14 CFR part 26. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy or significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-132

14 CFR §§ 25.1-25.2, 25.301-25.307, 25.561, 25.571, 25.581, 25.601-25.619, 25.625, 25.771, 25.777, 25.789, 25.853, 25.1307, 25.1321, 25.1322, 25.1351, 25.1381, 25.1431, 25.1501, 25.1519, 25.1523, 25.1529, 25.1555, 25.1581, 25.1583

(Limitations and Conditions continued on page 4)

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Limitations and Conditions (Continued):

Regulations at an intermediate amendment

14 CFR §§ 25.21 Amdt 25-72; 25.571 Amdt 25-96; 25.773 Amdt 25-108; 25.1353 Amdt 25-113;
25.1301 Amdt 25-0; 25.1309 Amdt 25-41; 25.1322 Amdt 25-38; 25.1353 Amdt 25-113;
25.1357 Amdt 25-0; 25.1585 Amdt 25-0

14 CFR Part 26 regulations

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations 14 CFR §§ 26.11, 26.47 (Amdt. No. 26-0 through 26-2).

This change has been determined to be a no acoustic change in accordance with 14 CFR 21.93(b), amendment 21-27.

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.

- End -

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