



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST01790WI

This certificate issued to: 3S Certification, LLC.
8200 E. 34th St. North, Suite 1207
Wichita, KS 67226

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: A41EU
Make: Short Brothers PLC
Model: SD3-30

Description of Type Design Change:

Installation of the Garmin TCAS II System. Data required includes:

- 1) 3S Certification, LLC. Master Data List (MDL) 3S14-365-1001, Revision IR, Dated: 07/08/2015 or later FAA approved revisions.
- 2) 3S Certification, LLC. Aircraft Flight Manual Supplement (AFMS) 3S14-365-7101, Revision IR, Dated: 07/08/2015 or later FAA approved revisions.
- 3) 3S Certification, LLC. Instructions for Continued Airworthiness (ICA) 3S14-365-6101, Revision IR, Dated: 06/03/2015 or later FAA accepted revisions.

Limitations and Conditions:

- 1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 2) 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.
- 3) Approval of this change in type design applies to the above model of airplane only.
- 4) A copy of this certificate and the ICA shall be maintained in the airplane permanent records.

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: 12/17/2014

Date Reissued:

Date of Issuance: 07/08/2015

Date Amended:

By Direction of the Administrator

Signature _____

Title Steve K. Simpson
ODA administrator
ODA-833355-CE

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:

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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(Continuation Sheet)

Number: ST01790WI

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 Short Brothers PLC Model SD3-30 Garmin TCAS II Installation is as follows:

- a) The type certification basis for the Short Brothers PLC Model SD3-30 is shown on A41EU 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 the application, 12/17/2014, is based upon 14 CFR Part 25 as amended by Amendment 25-34. Based on 14 CFR 21.115 and § 21.101, and the FAA policy for significant changes in the FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-0 through 25-134

225.899 [Amdt. 25-123], 25.1316 [Amdt. 25-134], 25.1317 [Amdt. 25-122]

Regulations at the amendment level in TCDS A41EU

25.29 [Amdt. Original], 25.119 [Amdt. Original], 25.121 [Amdt. Original], 25.251(b)(d) [Amdt. 25-23], 25.301(a)(b) [Amdt. 25-23], 25.303 [Amdt. 25-23], 25.305(a)(b) [Amdt. 25-23], 25.307(a) [Amdt. 25-23], 25.561 [Amdt. 25-23], 25.571(a)(c)(e) [Amdt. 25-23], 25.581(a)(b) [Amdt. 25-23], 25.601 [Amdt. Original], 25.603 [Amdt. Original], 25.605 [Amdt. Original], 25.607 [Amdt. 25-23], 25.609 (a) [Amdt. Original], 25.611 [Amdt. 25-23], 25.613 [Amdt. Original], 25.619 [Amdt. 25-23], 25.625(a)(b)(c) [Amdt. 25-23], 25.629 [Amdt. 25-23], 25.771(a)(c) [Amdt. 25-4], 25.773(a) [Amdt. 25-23], 25.777(a)(b)(c) [Amdt. Original], 25.853(b) [Amdt. 25-32], 25.1301(a)(b)(c)(d) [Amdt. Original], 25.1303(a)(3) [Amdt. 25-24], 25.1307(c) [Amdt. 25-23], 25.1309(a)(b)(c)(d)(e)(1) [Amdt. 25-23], 25.1321(a)(b) [Amdt. 25-23], 25.1325 [Amdt. 25-12], 25.1331(a)(2)(3)(b) [Amdt. 25-23], 25.1333(a)(b) [Amdt. 25-23], 25.1351(a) [Amdt. Original], 25.1353(a)(b) [Amdt. Original], 25.1355 [Amdt. 25-23], 25.1357(a)(c)(d)(e) [Amdt. Original], 25.1359 [Amdt. 25-32], 25.1381 [Amdt. Original], 25.1419(b) [Amdt. 25-23], 25.1431 [Amdt. Original], 25.1529 [Amdt. 25-21], 25.1541 [Amdt. Original], 25.1581(a)(c) [Amdt. Original], 25.1583 [Amdt. Original], 25.1585(a) [Amdt. 25-23]

Regulations at an intermediate amendment

- None -

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