



SUPPLEMENTAL TYPE CERTIFICATE

In terms of the
SOUTH AFRICAN CIVIL AVIATION REGULATIONS, 2011, AS AMENDED

STC Number	ZAS14102A702		
Name of Holder	Challenge Air cc		
Name of Previous STC Holder	N/A		
STC Issue Date	27 October 2014	Re-Issue Date	N/A
Physical Address of STC Holder	2 nd Floor Unit 16, Woodlands Office Park, Woodmead, 2052		
Postal Address of STC Holder	P.O. Box 155, Paulshof, 2056		
Applies to Product Type/ Model	Beechcraft B200	Affected Type Certificate Number	TCDS No. A24CE Revision 110
Description of Type Design Change	Installation of UNS-1E Flight Management System, in accordance with Challenge Air cc, Master Data List, Doc. No, MDL-UNS-R-B200-004, Dated 15 October 2014 or later SACAA approved revision.		

1. Supporting Technical Data

- 1.1 Installation of UNS-1E Flight Management System, in accordance with Challenge Air cc, Master Data List, Doc. No MDL-UNS-R-B200, Dated 15 October 2014 or later SACAA approved revision.
- 1.2 Applicable Instructions for Continued Airworthiness, in accordance with Document Number: ICA-UNS-R-B200, Revision 002, Dated 15 October 2014 or later SACAA approved Revision.
- 1.3 Aircraft to be operated in accordance with Flight Manual Supplement, Document Number: FMS-UNS-R-B200, Revision 000, Dated 15 October 2014 or later SACAA-approved Revision

2. Limitations

- 2.1 This approval should not be extended to products of these model(s) on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any other previously approved modification, including changes in type design, will introduce no adverse effect upon the airworthiness of that product.
- 2.2 STC is for both avionics and structural installations.



3. Conditions

- 3.1 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.
- 3.2 This certificate and the supporting technical 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 SACAA.
- 3.3 Aircraft complying with this approved STC shall be restricted to operations within the borders of South Africa only. Operations outside this area of operation will be subject to approval by the country of intended operation.

4. Certification Basis

The aircraft to be modified has the following certification basis (as per FAA TCDS A24CE):

FAR Part 23, effective 1 February 1965, as amended by 23-1 through (Model 200 Series) 23-9, Amendment 23-11,

FAR Paragraphs 23.175 and associated FARs 23.143(a), 23.145(d), 23.153, 23.161(c)(3), and 23.173(a) as amended by Amendment 23-14;

FAR 23.951(c) and FAR 23.997(d) as amended by Amendment 23-15 (A200CT and B200 series, only);

FAR 23.1545(a) as amended by Amendment 23-23 and FAR 23.1325(e) as amended by Amendment 23-20 (B200 Series only); FAR 23.1305(n), 23.1529 as amended by Amendment 23-26;

FAA Special Conditions 23-47-CE-5 issued 30 October 1972, Amendment 1 dated 18 December 1973, and Amendment 2 dated 12 January 1979;

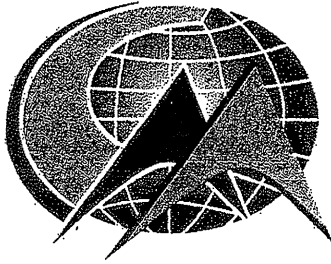
FAR Paragraphs 25.929 and 25.1419 of FAR Part 25 as amended to 31 December 1972, and FAR 25.831(d) through Amendment 25-41 (For all Model 200 and B200 series aircraft approved for 35,000 feet); SFAR 27 through Amendment 27-4; and FAR Part 36 through Amendment 36-10.

For B200 through Serial Number BB-1438 and B200C through Serial Number BL-138 FAR Part 36 through Amendment 36-10. For B200 Serial Numbers BB-1439, BB-1444 and after, B200C Serial Numbers BL-139 and after; A200CT Serial Numbers FE-25 and after, FAR Part 36 through Amendment 36-20.

Compliance with ice protection has been demonstrated in accordance with FAR 25.1419 when ice protection equipment is installed in accordance with the airplane equipment list.

Effective 20 April 1993, Electronic Flight Instrument Systems shall meet the requirements of FAR 23.1322 as amended by Amendment 23-17; 23.1301, 23.1335 as amended by Amendment 23-20; 23.1305 as amended by Amendment 23-34; 23.1309, 23.1311, and 23.1321 as amended through Amendment 23-41 and Special Condition 23-ACE-68. Effective 20 January 1994, FAR 23.1457 as amended by Amendment 23-35.

In addition, FAR 135, Appendix A, effective 1 December 1978 (B200 High Density Configuration; See NOTE 11)



FAR 23.603(b) as amended by Amendment 23-23; FAR 23.1309(a), 23.1323(b), 23.1431(b) as amended by Amendment 23-49. Effective at Serial Numbers for the B200, BB-1978, BB-1988 and after and for the B200C, BL-152 and after.

Application for Type Certificate dated 11 January 1971. Type Certificate No. A24CE issued 14 December 1973, obtained by manufacturer under delegation option procedures.

Additional requirements for Collins Proline 21 Avionics Installation; Equivalent Level of Safety ACE-02-16 for FAR 23.1305c(2), 23.1305(a)(2)(3), and 23.1549(a)(b)(c), for direct reading digital only displays for oil pressure, oil temperature and fuel flow; FAR 23.1547(e) as amended by Amendment 23-20;

FAR 23.603(b) as amended by Amendment 23-23; FAR 23.1309(a), 23.1323(b), 23.1431(b) as amended by Amendment 23-49. Effective at Serial Numbers for the B200, BB-1978, BB-1988 and after and for the B200C, BL-152 and after.

For the Models B200 and B200C:

14 CFR Part 23.1529 as amended by Amendment 23-26. Effective Serial Numbers for the B200, BB-1978, BB-1988 and after and for the B200C, BL-152 and after.

Additional requirements for the Collins IFIS Installation: 23.771(a) as amended by Amendment 23-14; 23.1501 and 23.1541(a)(b) as amended by Amendment 23-21; 23.603, 23.605(a) as amended by Amendment 23-23; 23.1322, 23.1357(c)(d) as amended by Amendment 23-43; 23.305, 23.321, 23.613 as amended by Amendment 23-45; 23.301, 23.337, 23.571, 23.575, 23.607, 23.611 as amended by Amendment 23-48; 23.1309(b)(c)(e), 23.1311(a)(2)(3), 23.1321(e), 23.1351(e), 23.1351(a)(2)(i), 23.1359(c), 23.1365(a)(d)(e), 23.1431(a) as amended by Amendment 23-49; 23.1555(a), 23.1581(a), 23.1583(h), 23.1585(j) as amended by Amendment 23-50; and 23.777(a)(b) as amended by Amendment 23-51. Effective at Serial Numbers for the B200, BB-1978 and BB-1988 and after, and for the B200C, BL-152 and after.

NOTES:

None

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 Director of Civil Aviation

Subash Devkaran
Senior Manager
Aircraft Certification Division
Civil Aviation Authority

31 OCT 2014

DATE OF ISSUE

NAME IN BLOCK LETTERS

for: DIRECTOR OF CIVIL
AVIATION

CA 21-C-03

12 JUNE 2014

AW 13789