



# SUPPLEMENTAL TYPE CERTIFICATE

In terms of the

**SOUTH AFRICAN CIVIL AVIATION REGULATIONS, 2011, AS AMENDED**

STC Number	ZAS 14 348 A 702		
Name of Holder	Challenge Air cc		
Name of Previous STC Holder	N/A		
STC Issue Date	09 September 2014	Re-issue Date	N/A
Physical Address of STC Holder	2 <sup>nd</sup> Floor, Unit 16, Woodlands Office Park, Woodmead, 2052		
Postal Address of STC Holder	P.O. Box 155, Paulshof, 2056, Gauteng, South Africa		
Applies to Product Type/ Model	AS350 Series [B1; B2 and B3]	Affected Type Certificate Number	EASA.R.008
Description of Type Design Change	Installation of Equipment Rack for housing Surveying Equipment (Spectrometer RSX-4, Electronic Box Unit & Electrical Power Unit) and Display Unit Bracket. In accordance with Challenge Air cc, Master Data List, Doc. No. MDL-EHS-S-AS350-001 Dated 29 August 2014 or later SACAA-approved revision.		

## 1. Supporting Technical Data

- 1.1 Installation of equipment rack for housing surveying equipment in accordance with Challenge Air cc, Master Data List, Doc. No. MDL-EHS-S-AS350-001 Dated 29 August 2014 or later SACAA approved revision.
- 1.2 Applicable Instructions for Continued Airworthiness, in accordance with Document Number: OMI-EHS-S-AS350, Revision 001, Dated 07 March 2014 or later SACAA approved Revision.
- 1.3 Aircraft to be operated in accordance with Flight Manual Supplement, Document Number: FMS-EHS-S-AS350, Revision 001, Dated 29 August 2014 or later SACAA-approved Revision.

## 2. Limitations

- 2.1 This approval should not be extended to aircraft of these models 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 The STC is for the structural provision only.



### 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.

### 4. Certification Basis

#### 4.1 AS350 B1

##### Certification Basis

1. **Airworthiness Requirements:** FAR Part 27, Amendments 1 to 10 included
2. **Special Conditions:** Complementary and special conditions defined in DGAC-F letters 6518 dated August 17, 1976, 6437 dated July 28, 1977 and 53639 dated June 25, 1985.

#### 4.2 AS350 B2

##### Certification Basis

1. **Airworthiness Requirements:** FAR Part 27, Amendments 1 to 10 included
2. **Special Conditions:** Complementary and special conditions defined in letters 6518 dated August 17, 1976, 6437 dated July 28, 1977 and 53639 dated June 25, 1985 (see letter 53151/SFACT/TC dated February 9, 1989)
- For a/c equipped with VEMD major modification, as above plus:
- special conditions on protection against the effects of High Intensity Radiated Fields (HIRF) and Lightning
  - equivalent safety findings for powerplant instrument markings
- See AS350B2 (VEMD) CRI n. A-1 issue 3 dated 17/11/06 for details.

#### 4.3 AS350 B3

##### Certification Basis

1. **Airworthiness Requirements:** FAR Part 27, Amendments 1 to 10 included
2. **Special Conditions:** Complementary and special conditions defined in DGAC-F letter 971726 dated April 3, 1997
3. **Airworthiness Requirements for a/c incorporating mod. OP-3369 (2370 kg weight extension)** - as above with the following requirements of CS 27 first issue of 14/11/2003 (ED Decision 2003/15/RM) to replace the same numbered paragraphs of FAR 27:
- CS27 §1, §21, §25, §27, §33, §45, §51, §65, §71, §73, §75, §79, §141, §143, §173, §175, §177, §241, §301, §303, §305, §307, §309, §321, §337, §339, §341, §351, §471, §473, §501, §505, §521, §547, §549, §563(b), §571, §602, §661, §663, §695, §723, §725, §727, §737, §751, §753, §801(b)(d), §927(c), §1041, §1043, §1045, §1301, §1501, §1519, §1529, §1581, §1583, §1585, §1587, §1589.

#### 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

15 SEP 2014

DATE OF ISSUE

NAME IN BLOCK LETTERS

For: DIRECTOR OF CIVIL AVIATION

CA 21-C-03

13 JUNE 2014

Page 2 of 2

AW 13742