



1. SUPPLEMENTAL TYPE CERTIFICATE

In terms of the
SOUTH AFRICAN CIVIL AVIATION REGULATIONS, 2011.

2. Certificate Number	AO 228988
3. Name of Holder	Challenge Air cc
4. Physical Address of Holder	Regus, Country Club Estate, Woodlands Drive, Woodmead, SOUTH AFRICA
5. Postal Address of Holder	P.O. Box 155, Paulshof, Johannesburg, 2056
6. Product type and model designation to which this certificate applies	Learjet Inc. Model 45, Serial Number 45-218
7. Description of type design change:	Fabrication and installation of S67-1575-109 GPS/Iridium Antenna doubler in accordance with Master Data List, Doc. No.: MDL-AI01-LJ45-002, Revision 002 dated 12 November 2012, or later SACAA-approved revision.

Limitations & Conditions :

1. Fabrication and installation of antenna doubler in accordance with Challenge Air Master Data List, Doc. No.: MDL-AI01-LJ45-002, Rev. 2 dated 12 November 2012, or later SACAA-approved revision, and Challenge Air Installation Instructions, Doc. No.: INI-AI01-LJ45-001, Rev. 1 dated 12 November 2012 or later revision.
2. Instructions for Continued Airworthiness, Doc. No. ZS-OPY-ICAW-090512, Initial Revision dated 05 September 2012 or later SACAA-approved revision is required.
3. 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 aircraft.
4. 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
5. Note a separate approval is required for the installation of the GPS/Iridium system and associated electrical/avionic systems.

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.

19 NOV 2012

**LOBANG THABANTSO
 MANAGER
 CERTIFICATION ENGINEERING
 CIVIL AVIATION AUTHORITY**

FOR DIRECTOR
 OF CIVIL AVIATION

9. DATE OF ISSUE

NAME IN BLOCK LETTERS

10. For: DIRECTOR OF CIVIL AVIATION