

J15/3/8 Gen

Senior Manager: Certification

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**SOUTH AFRICAN CIVIL AVIATION AUTHORITY  
AIRCRAFT SAFETY DEPARTMENT**

**MAINTENANCE ADVISORY NOTICE  
GENERAL #041**

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**INSTALLATION OF AIRBORNE COLLISION AVOIDANCE SYSTEM (ACAS)  
EQUIPMENT**

**Applicability: Owners/Operators, their associated Maintenance Organisations**

**1. Introduction**

- 1.1 The CAA has noted that owner and operators do not comply with the requirements contained in the SA-Civil Aviation Technical Standards 91.04.31, when applying for installation of ACAS equipment.
- 1.2 The purpose of this Airworthiness Notice is to inform owners/operators and Aircraft Maintenance Organisations that the CAA will not process a request which does not comply with the said requirements.

**2. Background**

- 2.1 The SACAA acknowledges that there are some aircraft that are not fitted ACAS equipments during its production and thus are candidate for owner and operators installation of the equipment.
- 2.2 The installation of such equipment constitutes a modification to an aircraft.
- 2.3 Currently South African Civil Aviation Regulations (SACAR) classifies modification into two categories namely major and minor modification.
  - "major modification" means a modification not listed in the aircraft, aircraft engine, or propeller specifications –
    - (a) which may appreciably affect weight, balance, structural strength, performance, powerplant operations, flight characteristics, or other qualities affecting airworthiness; or

(b) which is not done according to accepted practices or cannot be done by elementary operations;

2.4 The installation of ACAS equipment falls under those modification deemed as major modification and requires SACAA approval.

2.5 Major modifications are approved in terms of SACAR Part 21.05.1.

### 3. Conclusion

3.1 As from the 1<sup>st</sup> March 2010, the SACAA will only accept and process installation of ACAS equipments, provided the application meets the requirements of SA-CATS 91.04.31 read together with CAR Part 21.05.1.

3.2 Owner and operators are required to familiarize themselves with the above requirements.

### 4. Queries

4.1 Any queries as a results of this Notice should be addressed to the Manager Certification at the following email address: AircraftCertDept@caa.co.za



**Obert Chakarisa**  
Acting Commissioner  
South African Civil Aviation Authority

2010 -03- 10

**Commissioner for Civil Aviation**

**Date**

Recipients of this Notice are requested to ensure that these are copied to their in-house or contracted organisations, to relevant outside contractors, and to all members of their staff who could have interest in the information or who need to take appropriate action in response to this Notice.