AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

SMA Piston Engines

AD/SMA/1 Engine Operating Limitations 3/2006 TX

Applicability: SMA SR305-230 engines fitted to CESSNA 182 and REIMS-CESSNA F182 aeroplanes.

Requirement: Unless previously accomplished carry out the accomplishment instructions of paragraph 3 of SMA Service Bulletin No SB-C182-71-002 or later DGAC approved revision.

Note: DGAC AD F-2006-007 EASA approval No. 2005-6451 dated 23 December 2005 refers.

Compliance: Before further flight following the effective date of this AD.

This Airworthiness Directive becomes effective on 31 January 2006.

Background: During testing in cold weather conditions, it has been established that engine flameout may occur at low power operation. As a result operating limitations are to be imposed to prevent an engine stall that may cause forced landing of the aeroplane.

James Coyne
Delegate of the Civil Aviation Safety Authority

25 January 2006