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.

Dassault Aviation Falcon 2000 Series Aeroplanes

AD/F2000/26 Engine Fire Detection Units 7/2007

Applicability: Falcon 2000EX aeroplanes, serial number 06 and 28 to 107 inclusive, without modification M2958.

Requirement: Remove the two fire monitoring units part number (P/N) 6342-01 and replace them with P/N 6342-02 units in accordance with Dassault Aviation Service Bulletin (SB) F2000EX-138 or later revision approved by the European Aviation Safety Agency (EASA).

Note: EASA AD 2007-0119 refers.

Compliance: Within the next 12 months after the effective date of this Directive.

This Airworthiness Directive becomes effective on 5 July 2007.

Background: The EASA has advised that investigations after a CAS message "ENG 1 FIRE DETECT FAIL" that occurred on an in-service aircraft revealed that the detector threshold tolerances could not identify the failure of one single engine fire detector loop out of the two present on each engine. The fire detection system integrity was therefore not correctly monitored.

AD/F2000/22 was initially issued, as an interim measure, to ensure fire detection system integrity by a one time inspection and will be cancelled.

This Directive mandates installation of two new fire monitoring units of an improved design, each one of them is capable of monitoring the integrity of both detectors on the associated engine.

Charles Lenarcic
Delegate of the Civil Aviation Safety Authority

7 May 2007