
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.

Fire Protection Equipment

AD/FPE/17

**Meggitt Safety Systems
Model 602 Smoke Detectors**

5/2006

Applicability: Meggitt Safety Systems Model 602 smoke detectors approved under United States Federal Aviation Administration (FAA) Technical Standard Order (TSO) TSO-C1c and having any part number (P/N) 8930-() identified as a "Current Part Number" in Meggitt Service Information Letter (SIL) 8930-26-01, Revision C, dated 25 May 2005, as installed on various transport category aeroplanes, including but not limited to, the aeroplane models listed below.

Manufacturer	Aeroplane Model
Aerospatiale	ATR42-200, -300, -320 and -500
Boeing	ATR72-101, -201, -102, -202, -211, -212 and -212A 727, 727C, 727-100, 727-100C, 727-200 and 727-200F series 737-100, -200, -200C, -300, -400, -500, -600, -700, -700C, -800 and -900 series
McDonnell Douglas	DC-10-10 and DC-10-10F; DC-10-15; DC-10-30 and DC-10-30F (KC-10A and KDC-10); together with DC-10-40 and DC-10-40F MD-10-10F and MD-10-30F MD-11 and MD-11F 717-200 series

Requirement: 1. If not previously accomplished, replace the affected smoke detector with a modified smoke detector, in accordance with Meggitt SIL 8930-26-01, Revision C.

Replacement of a smoke detector before the effective date of this Directive is also acceptable if accomplished in accordance with either the original issue of Meggitt SIL 8930-26-01, dated 8 November 2004; Revision A, dated 8 November 2004 or Revision B, dated 19 January 2005.

2. Meggitt Model 602 smoke detector having any P/N 8930-() identified as a "Current Part Number" in Meggitt SIL 8930-26-01, Revision C, may not be installed on any aeroplane as either an initial installation or as a replacement spare.

Fire Protection Equipment

AD/FPE/17 (continued)

Later revisions of the above SIL, approved by the FAA as an Alternate Method of Compliance (AMOC) to FAA AD 2006-04-04, are considered acceptable for compliance with the equivalent Requirements of this Directive.

Note: FAA AD 2006-04-04 Amdt 39-14485 refers.

Compliance: For Requirement 1 - Within six months after the effective date of this Directive.

For Requirement 2 - As of the effective date of this Directive.

This Airworthiness Directive becomes effective on 11 May 2006.

Background: The FAA has advised that certain Meggitt Model 602 smoke detectors can "lock up" during electrical power transfer from the auxiliary power unit to the engines. This Directive requires replacing the affected smoke detectors with modified smoke detectors and is issued to ensure that the flight crew is alerted in the event of a fire.



James Coyne
Delegate of the Civil Aviation Safety Authority

29 March 2006