
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.

Airbus Industrie A319, A320 and A321 Series Aeroplanes

AD/A320/223

Electronic Instrument System Display Management Computer Software

6/2008

Applicability: Airbus model aeroplanes listed in Table 1 fitted with EIS2 (Electronic Instrument System) standard S4.2 (DMC disk part number F1419418) installed by Airbus Modification 34571 or by Airbus Service Bulletin (SB) SB A320-31A1220 dated 2 July 2004, except aircraft which have embodied modification 36725 during production.

Table 1

A318-111	A319-113	A319-132	A320-212	A320-231	A321-112	A321-213
A318-112	A319-114	A319-133	A320-214	A320-232	A321-131	A321-231
A319-111	A319-115	A320-111	A320-215	A320-233	A321-211	A321-232
A319-112	A319-131	A320-211	A320-216	A321-111	A321-212	

Requirement: 1. The following dispatch limitations are mandatory for all flights:

For aircraft equipped with EIS2 LCD Display Units and with conventional standby instruments:

- Dispatch with the standby IAS (Indicated Airspeed) indicator inoperative (MMEL 34-21-01) is no longer authorised.

- Dispatch with inoperative standby horizon or inoperative standby altimeter may be authorised provided that the crew maintains VMC conditions during the entire flight and day-light conditions.

For aircraft equipped with EIS2 LCD Display Units and with the Integrated Standby Instrument System (ISIS):

- Dispatch with the ISIS airspeed function inoperative (MMEL 34-22-03-C) is no longer authorised.

- Dispatch with inoperative ISIS horizon function or inoperative ISIS altitude function may be authorised provided that the crew maintains VMC conditions during the entire flight and day-light conditions.

Reminder: For dispatch with one Display Unit inoperative as per MMEL 31-63-01, it is reminded that the subject Display Unit must be switched-off as per associated MMEL operational procedure.

Airbus Industrie A319, A320 and A321 Series Aeroplanes

AD/A320/223 (continued)

Incorporation of the Master Minimum Equipment List (MMEL) changes or a copy of this Directive in the Aircraft Operations Manual is a satisfactory method of compliance with this Requirement.

2. Install EIS2 standard S7 (DMC disk part number F1461768) in accordance with the instructions of Airbus SB A320-31-1276 dated 18 April 2007 or later revision approved by the European Aviation Safety Agency (EASA).

This action is not required if Airbus SB A320-31-1263 Revision 1 or Airbus SB A320-31-1276 Original Issue has been embodied.

3. Remove the Requirement 1 dispatch limitations.

Note: EASA AD 2008-0032 refers.

Compliance: For Requirement 1 - Within seven days after the effective date of this Directive

For Requirement 2 - Before 31 March 2009.

For Requirement 3 - Concurrent with Requirement 2.

This Airworthiness Directive becomes effective on 5 June 2008.

Background: The EASA has advised that two incidents have occurred due to the lack of visibility on the Primary Flight Display (PFD) of the Traffic Alert and Collision Avoidance System (TCAS) indications.

EIS2 standard S7 introduces modifications to the vertical speed indication to improve the legibility in case of TCAS Resolution Advisory. The modifications consist in changing the colour of the needle and increasing the width of the TCAS green band.

This Directive supersedes AD/A320/157 Amdt 2 (EASA AD 2006-0108), which is cancelled, by revising the applicability and mandating the installation of the improved EIS2 standard S7.



James Coyne
Delegate of the Civil Aviation Safety Authority

22 April 2008