


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0198</p> <p>Date: 04 November 2008</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p>Type Approval Holder's Name :</p> <p>AIRBUS</p>	<p>Type/Model designation(s) :</p> <p>A319, A320 and A321 aircraft</p>
TCDS Number :	EASA.A.064
Foreign AD :	Not applicable
Supersedure :	None
ATA 31	Instruments – Electronic Instrument System (EIS) Display Management Computer (DMC) Software Update – Introduction
Manufacturer(s):	AIRBUS (formerly AIRBUS INDUSTRIE)
Applicability:	AIRBUS A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-111, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231 and A321-232 aircraft, all manufacturer serial numbers (MSN), if equipped with EIS1 standard V32 [DMC Part Number (P/N) 9615325032], EIS1 standard V40 [DMC P/N 9615325040], or EIS1 standard V50 [DMC P/N 9615325050].
Reason:	<p>Two incidents have occurred on Airbus A320 Family aircraft during Resolution Advisory with Traffic Alert and Collision Avoidance System (TCAS). One of the Human-Machine Interface (HMI) factors was the lack of visibility of relevant information on the Primary Flight Display (PFD).</p> <p>This condition, if not corrected, could result in erroneous interpretation of TCAS Resolution Advisories, leading to an increased risk of mid-air collision.</p> <p>EIS1 software standard V60 introduces modifications to the vertical speed indication to further improve the legibility in the case of TCAS Resolution Advisory. This modification consists of a change in the needle colour and thickness and an increase in width of the TCAS green band.</p> <p>For the reasons described above, this AD requires the introduction of the new software standard V60 and prohibits reinstallation of earlier software versions V32, V40 and V50.</p>
Effective Date:	18 November 2008

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless previously accomplished:</p> <ol style="list-style-type: none"> 1. Not later than 30 November 2013, modify the aircraft by installing EIS1 software standard V60 (DMC P/N 9615325060) in accordance with the instructions of Airbus SB A320-31-1286. 2. After modification of an aircraft as required by paragraph 1. of this AD, no person shall install EIS1 software standard V32 (DMC P/N 9615325032), EIS1 software standard V40 (DMC P/N 9615325040) or EIS1 software standard V50 (DMC P/N 9615325050) on that aircraft.
<p>Ref. Publications:</p>	<p>AIRBUS Service Bulletin A320-31-1286 original issue.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 09 October 2008 as PAD 08-093 for consultation until 23 October 2008. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA; E-mail ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EAS Fax +33 5 61 93 44 51, E-mail: account.airworth-eas@airbus.com.