


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 09-086</p> <p>Date: 29 June 2009</p> <p>Note: This Proposed Airworthiness Directive (PAD) 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>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
Type Approval Holder's Name : AIRBUS	Type/Model designation(s) : A318, A319, A320 and A321 aeroplanes
TCDS Number: EASA.A.064	
Foreign AD: Not applicable	
Supersedure: None	
ATA 24	Electrical Power – AC and DC ESS BUS Power Supply - Modification
Manufacturer(s):	AIRBUS (formerly AIRBUS INDUSTRIE)
Applicability:	AIRBUS A318-111, A318-112, A318-121, A318-122, 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 aeroplanes, all manufacturer serial numbers, except aeroplanes that have received AIRBUS modification (MOD) 37317 in production.
Reason:	<p>A number of occurrences of the loss of the AC BUS 1 have been reported that led in some instances to the loss of the AC ESS BUS and DC ESS BUS and connected systems. The affected systems include multiple flight deck Display Units (Primary Flight Display, Navigation Display and Upper Electronic Centralised Aircraft Monitoring display).</p> <p>The reasons for these events have been investigated but have not been fully established for all cases.</p> <p>Due to the range of system losses some crews reported difficulty in establishing the failure cause during the events and hence the appropriate actions to be taken may not be completed in a timely manner.</p> <p>The loss of multiple display units, if not corrected expediently during a high workload period, potentially affects the capability of the flight crew and could</p>

	<p>contribute to a loss of situational awareness and consequent control of the aeroplane, which would constitute an unsafe condition.</p> <p>This AD therefore mandates the modification of the electrical network configuration management logic consisting in adding an automatic switching of the AC and DC ESS BUS power supply such that upon the loss of the AC BUS 1, the AC BUS 2 will automatically take over the power supply. On pre-MOD aeroplanes, this power supply switching can only be accomplished manually from the cockpit and is covered by an ECAM procedure.</p>
Effective Date:	14 days after final AD issue date
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished:</p> <ol style="list-style-type: none"> 1. Within 36 months after the effective date of this AD, modify the Electrical Power Distribution System in accordance with the instructions of AIRBUS Service Bulletin (SB) A320-24-1120 Revision 2. 2. For aeroplanes previously modified in accordance with SB A320-24-1120 Revision 0 or Revision 1 no further action is required by this AD.
Ref. Publications:	<p>AIRBUS Service Bulletin (SB) A320-24-1120 at Revision 2.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 29 July 2009. 2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any questions concerning the technical content of the requirements in this PAD, please contact: AIRBUS – Airworthiness Office – EAS Fax +33 5 61 93 44 51, E-mail: account.airworth-eas@airbus.com.