


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 11-097</p> <p>Date: 06 September 2011</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>	
<p>Type Approval Holder's Name :</p> <p>Eurocopter Deutschland GmbH</p>	<p>Type/Model designation(s) :</p> <p>MBB-BK117 C-2 helicopters</p>
<p>TCDS Number : EASA.R.010</p>	
<p>Foreign AD : not applicable</p>	
<p>Supersedure : None</p>	
ATA 24	Electrical Power – Generator Control Unit – Identification / Replacement
Manufacturer(s):	Eurocopter Deutschland GmbH (ECD), American Eurocopter LLC
Applicability:	MBB-BK117 C-2 helicopters, all serial numbers
Reason:	<p>On one helicopter, a break occurred in the wire terminal attached at terminal E of the starter/generator. As a result, the grounding connection to the generator control unit, Part Number (P/N) 51530-001EI, needed for voltage control, was interrupted. As a consequence, an overvoltage occurred in the electrical power system, causing damage to several items of electronic equipment.</p> <p>This condition, if not corrected, can lead to the loss of electrical generating power, possibly resulting in loss of relevant systems that are necessary for a safe continuation of the flight.</p> <p>For the reasons described above, this AD requires the identification and replacement of each affected GCU with a serviceable unit, the introduction of revised flight manual procedures and additional maintenance actions until the replacement of the affected units.</p>
Effective Date:	[TBD: 14 days after final AD issue date]

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within 50 flight hours after the effective date of this AD, accomplish the following actions concurrently: <ol style="list-style-type: none"> (1.1) Identify whether a P/N 51530-001EI GCU is installed on the helicopter and if so, (1.2) Revise the Basic Flight Manual MBB BK117 C-2 to Revision 15 or higher, and (1.3) Visually inspect the grounding connection on the starter/generator and measure the resistance between the starter/generator and the voltage regulator, in accordance with the instructions of Section 3.E of ECD Alert Service Bulletin (ASB) MBB-BK117 C-2-24A-006. (2) Thereafter, each time the starter/generator is removed and/or the wiring is disconnected from the starter/generator, inspect the grounding connection on the starter/generator and measure the resistance between the starter/generator and the voltage regulator, in accordance with the instructions of Section 3.E of ECD ASB MBB-BK117 C-2-24A-006. (3) If, during any inspection as required by paragraphs (1.3) or (2) of this AD, damage is found or suspected to be present, before next flight, replace the wire terminal in accordance with the instructions of Section 3.F of ECD ASB MBB-BK117 C-2-24A-006. Replacement of the wire terminal does not constitute terminating action for the repetitive inspections required by this paragraph. (4) If a GCU P/N 51530-001EI, identified as required by paragraph (1.1) of this AD, is installed, within 15 months after the effective date of this AD, replace that GCU with a GCU P/N 51530-021EI "MOD C" or higher. (5) From the effective date of this AD, do not install a GCU P/N 51530-001EI on any helicopter. (6) Installation of a GCU P/N 51530-021EI "MOD C" or higher on a helicopter, as required by paragraph (4) of this AD, constitutes terminating action for the repetitive inspections as required by paragraph (2) of this AD.
<p>Ref. Publications:</p>	<p>ECD ASB MBB-BK117 C-2-24A-006 Rev. 3 dated 06 July 2011.</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. This Proposed AD will be closed for consultation on 04 October 2011. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Eurocopter Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany Telephone: + 49 (0)151-1422 8976; Facsimile: + 49 (0)906-71 4111.