


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2009-0093-E</p> <p>Date: 17 April 2009</p> <p>Note: This Emergency 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>Eurocopter Deutschland GmbH</p>	<p>Type/Model designation(s) :</p> <p>EC135 and EC635 series helicopters, and MBB-BK 117 C-2 helicopters</p>
<p>TCDS Numbers : EASA.R.009, EASA.R.010</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : None</p>	
<p>ATA 85</p>	<p>Optional Equipment - External Mounted Hoist System – Visual Check / Replacement</p>
<p>Manufacturer(s):</p>	<p>Eurocopter Deutschland GmbH (all affected models), Eurocopter ESPANA S.A., (EC135 models only), American Eurocopter LLC (MBB-BK 117 C-2).</p>
<p>Applicability:</p>	<p>Models EC 135 P1(CDS), EC 135 P1(CPDS), EC 135 P2(CPDS), EC 135 P2+, EC 135 T1(CDS), EC 135 T1(CPDS), EC 135 T2(CPDS), EC 135 T2+, EC 635 T1(CPDS), EC 635 P2+ and EC 635 T2+ helicopters, all serial numbers, if equipped with a Goodrich external mounted hoist system with boom support Part Number (P/N) 44301-500, P/N 44307-500 or P/N 44307-500-1.</p> <p>Model MBB-BK 117 C-2 helicopters, all serial numbers, if equipped with a Goodrich external mounted hoist system with boom support P/N 44307-500.</p>
<p>Reason:</p>	<p>During a recent pre-flight check of the external mounted hoist on a MBB-BK 117 C-2 helicopter, cracks were detected on the boom support P/N 44307-500.</p> <p>This condition, if not detected and corrected, would impair the structural strength of the boom, potentially leading to failure of the boom support. This could result in loss of the boom and attached loads, endangering helicopter operation and possibly causing injuries to persons on the ground. Boom supports with P/N 44301-500 and P/N 44307-500-1 are of similar design to P/N 44307-500 on which the cracks were detected and are therefore also affected by this unsafe condition.</p> <p>For the reasons described above, this EASA Emergency AD requires repetitive visual checks of the affected boom and removal or replacement when cracks are found.</p>
<p>Effective Date:</p>	<p>21 April 2009</p>

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Before next flight after the effective date of this AD, inform the flight crew of the content of the ASB in accordance with the instructions of Eurocopter Deutschland (ECD) Alert Service Bulletin (ASB) MBB BK117 C-2-85A-024 or ASB EC135-85A-036, as applicable to the helicopter type. (2) Before next flight after the effective date of this AD and thereafter before each first flight of a day, accomplish the visual check of the boom support in accordance with the instructions of ECD ASB MBB BK117 C-2-85A-024 or ASB EC135-85A-036, as applicable to the helicopter type. (3) Before each first external mounted hoist operation of a day, accomplish the visual check of the boom support in accordance with the instructions of ECD ASB MBB BK117 C-2-85A-024 or ASB EC135-85A-036, as applicable to the helicopter type. (4) From the affective date of this AD, do not install a boom support with P/N 44301-500, P/N 44307-500 or P/N 44307-500-1 on any helicopter, unless it has been checked in accordance with the instructions of ECD ASB MBB BK117 C-2-85A-024 or ASB EC135-85A-036, as applicable to the helicopter type. (5) If, during any check as required by paragraph (2) or (3) of this AD, cracks are detected within the boom support as specified in the ASB, before further flight, remove the affected boom support or replace it with a serviceable part. (6) Replacement of the boom support does not constitute terminating action for the repetitive inspection requirements of this AD.
<p>Ref. Publications:</p>	<p>Eurocopter Deutschland ASB MBB BK117 C-2-85A-024 dated 16 April 2009.</p> <p>Eurocopter Deutschland ASB EC135-85A-036 dated 16 April 2009.</p> <p>The use of later approved revisions of these documents 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. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 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: Eurocopter Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany Telephone: + 49 (0)151-1422 8976; Facsimile: + 49 (0)906-71 4111.