EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No.: 2010-0247-E **Date: 26 November 2010** 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.

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].

Type Approval Holder's Name :	**Type/Model designation(s) :**
Eurocopter Deutschland GmbH	EC 135, EC 635 and MBB-BK117 C-2 helicopters

TCDS Number :	EASA.R.009 and EASA.R.010
Foreign AD :	Not applicable
Supersedure :	None

ATA 33	**Lights – Instrument Lighting Display Brightness for Flight in Night Vision Goggle (NVG) Mode – Reduction**
Manufacturer(s):	EC135: Eurocopter Deutschland GmbH (ECD), Eurocopter España S.A., Eurocopter S.A. MBB-BK117 C-2: Eurocopter Deutschland GmbH, American Eurocopter LLC
Applicability:	EC 135 P1(CPDS), EC 135 P2(CPDS), EC 135 P2+, EC 135 T1(CPDS), EC 135 T2(CPDS), EC 135 T2+, EC 635 T1(CPDS), EC 635 P2+ and EC 635 T2+ helicopters, serial numbers (s/n) 0642 through 0999 inclusive, if equipped with optional NVG system, and MBB-BK117 C-2 helicopters, s/n 9004 through 9450 inclusive, if equipped with the optional NVG system with the secured toggle switch Part Number (P/N) 845UN01F4AD0A (and associated wiring changes), either installed during production, or in-service in accordance with ECD Service Bulletin (SB) MBB-BK117 C-2-33-006.
Reason:	Recent reviews have revealed that, when the "INSTR LIGHTS" potentiometer is at certain positions, the diodes in the NVG system may overheat. This could lead to failure of the entire instrument and overhead panel lighting and, depending on the position of the potentiometer, the background lighting of Caution and Advisory Display (CAD), Vehicle and Engine Monitoring Display (VEMD), Primary Flight Display (PFD) and the Navigation Display (ND) may suddenly increase to maximum brightness. This condition, if not corrected, would likely impair the visibility of the flight crew, possibly resulting in loss of control of the helicopter. For the reasons described above, this AD requires an amendment of the Rotorcraft Flight Manual Supplement (RFMS) to implement a procedure for

	flights in NVG mode, to set the background lighting of CAD, VEMD, PFD and ND to an acceptable minimum level.
Effective Date:	30 November 2010
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: Before the next night flight in NVG Mode after the effective date of this AD, amend the applicable RFMS [Night Vision Imaging System operation with NVG] by inserting the flight manual pages included in ECD ASB EC135-33A-009 and ASB MBB BK117 C-2-33A-013, as applicable to the helicopter type, and inform the flight crews accordingly.
Ref. Publications:	ECD ASB EC135-33A-009, and ASB MBB BK117 C-2-33A-013, both dated 22 November 2010. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks :	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.