

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE				
	AD No.: 2010-0238-E Date: 18 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 : EUROCOPTER	Type/Model designation(s) : EC 225 helicopters				
TCDS Number : EASA.R.002					
Foreign AD : Not applicable					
Supersedure : None					
ATA 62	Main Rotor – Repaired Blade – Inspection / Replacement / Repair				
Manufacturer(s):	EUROCOPTER (formerly EUROCOPTER France).				
Applicability:	EC 225 LP helicopters, all serial numbers, if equipped with one or more of the following main rotor blades, defined in table 1 hereunder: <u>Table 1</u> <table border="1" style="width: 100%;"> <tr> <td>Main rotor blade Part Number (P/N)</td><td>Repaired in compliance with:</td></tr> <tr> <td>332A11.0050.00 and, 332A11.0055.00</td><td>EUROCOPTER Repair Sheet CN 437 or EUROCOPTER Repair Sheet CN 431, or EUROCOPTER EC 225 LP Service Bulletin (SB) 62-006.</td></tr> </table>	Main rotor blade Part Number (P/N)	Repaired in compliance with:	332A11.0050.00 and, 332A11.0055.00	EUROCOPTER Repair Sheet CN 437 or EUROCOPTER Repair Sheet CN 431, or EUROCOPTER EC 225 LP Service Bulletin (SB) 62-006.
Main rotor blade Part Number (P/N)	Repaired in compliance with:				
332A11.0050.00 and, 332A11.0055.00	EUROCOPTER Repair Sheet CN 437 or EUROCOPTER Repair Sheet CN 431, or EUROCOPTER EC 225 LP Service Bulletin (SB) 62-006.				
Reason:	EUROCOPTER has recently been informed of the loss of a small stainless steel cover strip installed at the leading edge stainless steel protective strip end of a main rotor blade. This blade cover strip was installed during a repair performed by Eurocopter on the blade. The event had no effect on the vibration level of the helicopter and was discovered after landing. The loss of this blade repair element in flight does				

	not adversely affect the aircraft's continued safe flight and landing, but could result in hazards to persons on the ground during takeoff and landing phases. For the reasons described above, this AD requires the initial and repetitive inspections of the stainless steel cover strip on the batch of main rotor blades equipped with such a repair element and replacement of main rotor blades, as necessary. In addition, this AD prohibits installation of similarly repaired main rotor blades pending embodiment of further relevant approved major repair, which also constitutes optional terminating action for the repetitive inspection requirements of this AD.						
Effective Date:	19 November 2010.						
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) For repaired main rotor blades as defined in table 1 of this AD and that have the following Serial Numbers (S/N) 280, 281, 318, 371, 390, 426 and 571: (1.1) Within the next 15 flight hours (FH) after the effective date of this AD, tap test the cover strip at the leading edge stainless steel protective strip end of the blade(s) in accordance with the instructions of Paragraph 3.B of Eurocopter EC 225 LP Emergency Alert Service Bulletin (EASB) 05A023. (1.2) Thereafter, at intervals not to exceed 85 FH, tap test the cover strip at the leading edge stainless steel protective strip end of the blade(s) in accordance with the instructions of Paragraph 3.B of Eurocopter EC 225 LP EASB 05A023. (1.3) If open or blind de-bonding is found during the tap test inspections required by paragraphs (1.1) and (1.2) of this AD, perform the actions defined in the table 2 hereunder depending on the de-bonding surface size: <u>Table 2</u> <table border="1"> <tr> <th>De-bonding surface size as defined in paragraph 3.B.2.b) of Eurocopter EC 225 LP EASB 05A023:</th><th>Compliance actions and times per blade:</th></tr> <tr> <td><u>Within</u> the allowable damage criteria.</td><td>Reduce the repetitive inspection intervals required by paragraph (1.2) of this AD from 85 FH to 15 FH.</td></tr> <tr> <td><u>Beyond</u> the allowable damage criteria.</td><td>Before next flight, replace the affected blade with an airworthy part.</td></tr> </table> (2) After the effective date of this AD, do not install repaired main rotor blade as defined in table 1 of this AD, with Serial Number different than those listed in Paragraph (1) of this AD. (3) At the operator's discretion, embodiment of further approved blade major repair (different than Eurocopter Repair Sheet CN 437 and Repair Sheet CN 431, and Eurocopter EC 225 LP SB 62-006) to repair the faulty blade cover strip of any repaired main rotor blade as defined in table 1 of this AD terminates the repetitive inspection requirements of paragraphs (1.2) and (1.3) of this AD, and cancels the installation prohibition required by paragraph (2) of this AD, as applicable.	De-bonding surface size as defined in paragraph 3.B.2.b) of Eurocopter EC 225 LP EASB 05A023:	Compliance actions and times per blade:	<u>Within</u> the allowable damage criteria.	Reduce the repetitive inspection intervals required by paragraph (1.2) of this AD from 85 FH to 15 FH .	<u>Beyond</u> the allowable damage criteria.	Before next flight, replace the affected blade with an airworthy part.
De-bonding surface size as defined in paragraph 3.B.2.b) of Eurocopter EC 225 LP EASB 05A023:	Compliance actions and times per blade:						
<u>Within</u> the allowable damage criteria.	Reduce the repetitive inspection intervals required by paragraph (1.2) of this AD from 85 FH to 15 FH .						
<u>Beyond</u> the allowable damage criteria.	Before next flight, replace the affected blade with an airworthy part.						
Ref. Publications:	Eurocopter EC 225 LP Emergency Alert Service Bulletin 05A023 original issue, dated 16 November 2010.						

	The use of later approved revisions of this document 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 (STDl) – Aéroport de Marseille Provence 13725 Marignane Cedex, France; telephone +33 (4) 12 85 97 97; facsimile +33 (4) 85 99 66; E-mail: Directive.technical-support@eurocopter.com