EASA	AIRWORTHINESS DIRECTIVE		
	AD No.: 2009–003	9	
	Date: 19 February 2009		
×.	Regulation (EC) No 216/2	s Directive (AD) is issued by EASA, acting in accordance with 2008 on behalf of the European Community, its Member States and of ries that participate in the activities of EASA under Article 66 of that	
continuing airworthiness of an an aircraft to which an AD ap	n aircraft shall be ensured by acc pplies, except in accordance with	A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the omplishing any applicable ADs. Consequently, no person may operate the requirements of that AD unless otherwise specified by the Agency ority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Type Approval Holder's Name :		Type/Model designation(s) :	
EUROCOPTER		AS 350 and AS 355 helicopters	
TCDS Numbers: EASA.R.008 & EASA.R.146			
Foreign AD: Not applicable			
Supersedure: This AD supersedes EASA AD 2007-0138R2 dated 03 February 2009			
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ATA 64	Tail Rotor - Tail Rotor Blades Skin - Inspection / Repair		
Manufacturer(s):	EUROCOPTER (former	IY EUROCOPTER-FRANCE, AEROSPATIALE)	
Applicability:	EUROCOPTER helicopter models:		
	- AS 350 B, BA, BB, B1	, B2, B3 and D	
	- AS 355 E, F, F1, F2, N	I and NP	
	all serial numbers, if equ	uipped with tail rotor blades, Part Number (P/N) :	
	- 355A12-0031-01/ -02/	-03/ -04/ -05/ -06/ -07/ -08/ -09/ -11/ -12/ -13/ -14.	
	- 355A12-0040-00/ -01/	-02/ -03/ -04/ -05/ -07/ -08.	
	- 355A12-0050-00/ -01/	-02/ -03/ -04/ -05.	
Reason:	blade trailing edge secti started in the trailing ed because of the aerodyn extent that part of the bl imbalance caused by th causing the Tail Gear B	was issued following reports of separation of tail rotor on in flight due to cracks in the blade skin. The cracks ge tab-to-airfoil attachment area and then grew quickly amic loads. Ultimately, the skin could be torn to such an ade trailing edge separated from the blade. The e loss of this blade section was significant, possibly ox to become separated from the tail boom. rrected, could result in loss of control of the helicopter.	
	requirements) required	rseding AD 2006-0235-E and taking over its the accomplishment of revision 3 of the associated Bulletins (SB) No. 05.00.38 and 05.00.40:	

	-To alleviate maintenance for tail rotor blades repaired as per Repair Sheet (FR) CN 376.
	-To introduce a time-limit to comply with Repair Sheet CN 376.
	-To clarify actions of the in-depth check.
	-To maintain the monitoring measures for certain blades P/N 355A12-0050-() on which it was found that cracks were related to repairs carried out in the trailing edge area.
	<ul> <li>To add Repair Sheet FR CN 453 and to extend the repair accomplishment timescale accordingly.</li> </ul>
	This AD takes over the requirements of AD 2007-0138R2, which is superseded, and extends the AD applicability to AS 355NP helicopters.
Effective Date:	05 March 2009
Required action(s) and Compliance Time(s):	Requirements of AD 2006-0235-E
	1. From 10 August 2006 (effective date of AD 2006-0235-E), at each check after the last flight of the day (ALF check) and not exceeding 10 flight hours between two successive checks, visually inspect the zone A of the rotor blades in order to verify the absence of cracks. This inspection should be carried out as instructed in paragraph (§) 2.B.1. of EUROCOPTER Alert Service Bulletin (ASB) No. 05.00.40 Revision 2 for AS350 helicopters.
	Note: This check can be carried out by an appropriately trained pilot.
	<b>2.</b> If any crack is detected in zone A, according to the blade part number, before next flight do all corrective actions as instructed in § 2.B.2. of EUROCOPTER ASB No.05.00.40 Revision 2 for AS350 helicopters or EUROCOPTER ASB No. 05.00.38 Revision 2 for AS 355 helicopters.
	Requirements of AD 2007-0138R2
	<b>3.</b> Unless already accomplished, no later than 31 March 2009, accomplish the instructions of Repair Sheet FR CN 376 or FR CN 453 on tail rotor blades P/N 355A12-0050-00/-01/-02/-03/-04/-05 with serial numbers listed in § 2.B.2.a. of EUROCOPTER ASB No. 05.00.40 Revision 3 or ASB No. 05.00.38 Revision 3 and on blades with serial numbers below 8419, for which the annotation "repaired as per Work Card 64.10.00.872" or "repaired as per Work Card 64.10.20.712" is recorded on the log card.
	<b>4.</b> As of 18 May 2007 (effective date of AD 2007-0138R2), no person shall install tail rotor blades whose P/N are listed in the applicability section of this AD on any EUROCOPTER AS 350 and AS 355 helicopters, unless they have been inspected and repaired, as necessary, in accordance with § 2.B.1 of the applicable EUROCOPTER ASB No.05.00.40 Revision 3 (for AS350) or No. 05.00.38 Revision 3 (for AS 355).
	<b>5.</b> The accomplishment of FR CN 376 on tail rotor blades in accordance with EUROCOPTER ASB No. 05.00.40 Revision 2 or ASB No. 05.00.38 Revision 2 is acceptable to comply with the requirements of § <b>3.</b> and <b>4.</b> of this AD.
Ref. Publications:	EUROCOPTER AS 350 Alert Service Bulletin No. 05.00.40 Revision 3
	EUROCOPTER AS 355 Alert Service Bulletin No. 05.00.38 Revision 3.
	The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks:	<ol> <li>If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD.</li> </ol>

<ol> <li>The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication.</li> </ol>
<ol> <li>Enquiries regarding this Airworthiness Directive should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail: <u>ADs@easa.europa.eu</u>.</li> </ol>
<ul> <li>4. For any question concerning the technical content of the requirements in this AD, please contact:</li> <li>EUROCOPTER (STDI) - Aéroport de Marseille Provence</li> <li>13725 Marignane Cedex - France.</li> <li>Tel: +33 (0) 4 42 85 97 97 - Fax: +33 (0) 4 42 85 99 66.</li> <li>E-mail: <u>Directive.technical-support@eurocopter.com</u></li> </ul>