


EASA	PROPOSED AIRWORTHINESS DIRECTIVE	
	<p>PAD No.: 08 - 029</p> <p>Date: 26 February 2008</p>	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.		
Type Approval Holder's Name:		Type/Model designation(s):
EUROCOPTER		AS 350 helicopters
TCDS Number: EASA R.008		
Foreign AD: Not applicable		
Supersedure: EASA Airworthiness Directives No. 2006-0060-E and No. 2006-0095.		
ATA 55	Stabilizers – Upper and Lower Fin Attachment Fitting – Modification	
Manufacturer(s):	EUROCOPTER (Formerly EUROCOPTER FRANCE, AEROSPATIALE).	
Applicability:	<p>All AS 350 B, B1, B2, B3, BA, BB and D helicopters fitted with the following upper and lower fins to which modification (MOD) 073330 has not been embodied:</p> <ul style="list-style-type: none"> - Upper fin assembly part number: 350A14-0020 – 00XX. - Upper fin assembly part number: 350A14-0020 – 01XX. - Upper fin assembly part number: 350A14-0020 – 02XX. - Upper fin assembly part number: 350A14-0020 – 03XX. - Upper fin assembly part number: 350A14-0020 – 08XX. - Upper fin assembly part number: 350A14-0020 – 10XX. - Upper fin assembly part number: 350A14-0020 – 18XX. - Upper fin assembly part number: 350A14-0020 – 19XX. - Lower fin assembly part number: 350A14-0021 – 00XX. - Lower fin assembly part number: 350A14-0021 – 01XX - Lower fin assembly part number: 350A14-0021 – 02XX - Lower fin assembly part number: 350A14-0021 – 04XX 	
Reason:	<p>This Airworthiness Directive (AD) is issued following two reports of a crack discovered in the spar of the upper fin on AS 355 N helicopters.</p> <p>The growth of a crack in a fin attachment spar, if not corrected, may lead to the failure of the spar and the loss of the fin.</p> <p>Due to the fin design similarity between AS 350 and AS 355 helicopters, the same corrective action is applicable to both types.</p>	

	<p>This AD supersedes EASA AD 2006-0060-E and AD 2006-0095, introducing new requirements.</p> <p>In fact, it renders mandatory MOD 073330 introduced by EUROCOPTER AS 350 ALERT SERVICE BULLETIN (ASB) No. 55.00.16, whose purpose is:</p> <ul style="list-style-type: none"> - to reduce the risk of forced fitting by increasing the diameter of the holes for the bolts on the lower and upper fin attachment fittings on the tail boom, - to improve the fatigue strength of upper and lower fin attachment by replacing bolts and washers currently installed with special bolts and special washers.
Effective Date:	Proposed: 14 days after final AD issue date.
Compliance:	<p>The following measures must be accomplished in compliance with EUROCOPTER AS 350 ASB No. 55.00.16 no later than 31 March 2009:</p> <p>1. Installed equipment:</p> <p>Remove the fins, modify the lower and upper fittings on tail boom by increasing the diameter of the holes for the bolts, replace bolts P/N: 22126BV060032L and washers P/N: 23112AG060LE with special bolts P/N: 350A23-4016-20 and special washers P/N: 350A23-4017-22 and return the helicopter to its flight configuration.</p> <p>2. Non-installed equipment:</p> <p>Retrofit MOD 073330 on all the fins with part numbers as listed in the Applicability of this AD held as spares.</p>
Ref. Publications:	<p>EUROCOPTER AS 350 ALERT SERVICE BULLETIN No. 55.00.16.</p> <p>The use of later approved revisions is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<p>1. If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD.</p> <p>2. The closing date for comments is 20 March 2008.</p> <p>3. Enquiries regarding this AD should be addressed to the AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu .</p> <p>4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STD!) – Aéroport de Marseille Provence 13725 Marignane Cedex – France. Tel: +33(0)4 42 85 97 97 – Fax: +33(0)4 42 85 99 66 E-mail: Directive.technical-support@eurocopter.com .</p>