


<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2011-0244-E</b></p> <p><b>Date: 22 December 2011</b></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><b>Type Approval Holder's Name :</b> EUROCOPTER</p>	<p><b>Type/Model designation(s) :</b> AS 350 and AS 355 helicopters</p>	
<p>TCDS Numbers: EASA.R.008, EASA.R.146</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: None</p>		
<b>ATA 33</b>	<b>Lights – Position Strobe Light – Inspection / Deactivation</b>	
<p>Manufacturer(s):</p>	<p>Eurocopter (formerly Eurocopter France, Aerospatiale)</p>	
<p>Applicability:</p>	<p>AS 350 B, AS 350 BA, AS 350 BB, AS 350 B1, AS 350 B2, AS 350 B3 and AS 350 D helicopters, all serial numbers (s/n), and AS 355 E, AS 355 F, AS 355 F1, AS 355 F2, AS 355 N and AS 355 NP helicopters, all s/n, if modified in production with (optional) modification OP0811 and equipped with a Grimes-Honeywell power supply unit, Part Number (P/N) 60-1431-3, in the baggage compartment as part of that optional modification.</p>	
<p>Reason:</p>	<p>A recent occurrence has been reported where the pilot of an AS 350 B3 helicopter detected smoke, coming from the baggage compartment. As a precaution, an emergency landing was executed without any personal injuries, but the helicopter was lost due to the ensuing fire.</p> <p>The results of the initial investigation are inconclusive regarding the exact cause(s) of the fire. However, deteriorating insulation of the strobe light power supply wiring and insufficient strength of the attachments are suspected to have been contributing factors.</p> <p>This condition, if not detected and corrected, can cause spark emission which, in combination with the carriage of certain cargo, could lead to an uncontrolled fire in the baggage compartment, possibly resulting in loss of the helicopter.</p> <p>For the reasons described above, this AD requires deactivation of the position strobe light system, or repetitive inspections of the position strobe lights power supply installation and, depending on findings, applicable corrective actions.</p> <p>This AD is considered an interim action, pending the development of a modification, and further AD action may follow.</p>	

Effective Date:	23 December 2011
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 10 flight hours (FH) after the effective date of this AD and, thereafter, at intervals not to exceed 165 FH or 13 months, whichever occurs first, visually inspect the wiring and the power supply unit in the baggage compartment, in accordance with the instructions of Eurocopter AS350 Alert Service Bulletin (ASB) No. 05.00.66, or AS355 ASB No. 05.00.60, as applicable to helicopter type.</li> <li>(2) Before the first flight of the day after the initial inspection as required by paragraph (1) of this AD and, thereafter, before each first flight of the day, visually inspect the wiring of the position strobe light installation in the baggage compartment in accordance with the instructions of Eurocopter AS350 ASB No. 05.00.66, or AS355 ASB No. 05.00.60, as applicable to helicopter type</li> <li>(3) In addition to the repetitive inspections as required by paragraphs (1) and (2) of this AD, within 110 FH or 3 months, whichever occurs first after the effective date of this AD and, thereafter, at intervals not to exceed 165 FH or 13 months, whichever occurs first, measure the wiring insulation and verify the mechanical strength of the connectors in accordance with the instructions of Eurocopter AS350 ASB No.05.00.66, or AS355 ASB No. 05.00.60, as applicable to helicopter type.</li> <li>(4) If, during any inspection as required by paragraphs (1), (2) or (3) of this AD, discrepancies are detected, before next flight, accomplish the applicable corrective actions in accordance with the instructions of Eurocopter AS350 ASB No.05.00.66, or AS355 ASB No. 05.00.60, as applicable to helicopter type.</li> <li>(5) Corrective actions as required by paragraph (4) of this AD do not constitute terminating action for the repetitive inspections as required by paragraphs (1), (2) and (3) of this AD.</li> <li>(6) As an alternative to the repetitive inspections required by paragraphs (1), (2) and (3) of this AD, within 10 FH after the effective date of this AD, deactivate the position strobe light system in accordance with the instructions of paragraph 3.B.4 of Eurocopter AS350 ASB No.05.00.66, or AS355 ASB No. 05.00.60, as applicable to helicopter type.</li> </ol>
Ref. Publications:	<p>Eurocopter AS350 ASB No. 05.00.66 dated 22 December 2011  Eurocopter AS355 ASB No. 05.00.60 dated 22 December 2011</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact:  EUROCOPTER - Customer Service Technical Support Department,  Aéroport de Marseille, Provence 13725 Marignane Cedex – France  Telephone: + 33 (0)4 42 85 99 51, Fax: + 33 (0)4 42 85 99 66.  E-mail: <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a>.</li> </ol>