


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2013-0294</b></p> <p><b>Date: 09 December 2013</b></p> <p>Note: This 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 EU 748/2012, Part 21.A.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>Design Approval Holder's Name:</b> EUROCOPTER</p>		<p><b>Type/Model designation(s):</b> SA 365 and AS 365 helicopters</p>
TCDS Number:	DGAC France No. 159	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 33</b>		
<b>Lights – Passenger Compartment Lighting – Modification</b>		
Manufacturer(s):	Eurocopter (formerly Eurocopter France, Aerospatiale).	
Applicability:	SA 365 N1, AS 365 N2 and AS 365 N3 helicopters, all manufacturer serial numbers, if equipped with an emergency lighting battery with Eurocopter part number (P/N) 704A46130033 (Manufacturer P/N B1090000) in amendment F or Eurocopter P/N 704A46130044 (Manufacturer P/N B1250000) in amendment C, except those modified in accordance with Eurocopter modification (mod) 07 33B59.	
Reason:	<p>Malfunction of the emergency lighting battery on helicopters AS365 N2 and N3 was reported in early 2013. The affected battery provides, when the helicopter's normal electric power supply is interrupted, power for the cabin dome light, neon lights and lighted signs.</p> <p>Results of the subsequent investigation revealed that after an upgrade of the emergency lighting battery to amendment F for Eurocopter P/N 704A46130033 (Manufacturer P/N B1090000) or amendment C for Eurocopter P/N 704A46130044 (Manufacturer P/N B1250000), activation of the "EMERGENCY CUT OFF" switch may lead to an inappropriate function of the emergency lighting battery protection module in case of emergency lighting battery undervoltage. Due to obsolescence of the Nickel-Cadmium (Ni-Ca) accumulators of emergency battery, the battery has been upgraded with Nickel Metal Hydride (NiMH) accumulators.</p> <p>This condition, if not corrected, could lead to insufficient lighting in the cabin in case of emergency, thereby preventing from rapid evacuation of the occupants.</p> <p>To address this potential unsafe condition, Eurocopter issued Alert Service</p>	

	<p>Bulletin (ASB) No. AS365-33.00.23 (Eurocopter mod 365A08 4610.02) providing modification instructions to allow disconnection of the cabin dome light electrical power from the emergency lighting battery, thereby preventing activation of the under-voltage protection, when the battery is connected to the aircraft power system.</p> <p>For the reasons described above, this AD requires disconnection of the cabin dome light from the emergency lighting battery electric power supply.</p>
Effective Date:	23 December 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>Within 110 flight hours or 3 months after the effective date of this AD, whichever occurs first, modify the helicopter in accordance with the instructions of paragraph 3.A. and 3.B. of Eurocopter ASB No. AS365-33.00.23 (Eurocopter mod 365A08 4610.02).</p>
Ref. Publications:	<p>Eurocopter ASB No. AS365-33.00.23 original issue, dated 20 November 2013.</p> <p>The use of later approved revisions of this document 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.</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 (STDI) Aéroport de Marseille Provence 13725 Marignane Cedex, France; Telephone +33 (4) 42 85 97 97; fax +33 (4) 42 85 99 66; E-mail: <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a>.</li> </ol>