

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<b>AD No.: 2014-0236</b>
	<b>Date: 28 October 2014</b>  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.
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].	
<b>Design Approval Holder's Name:</b> AIRBUS HELICOPTERS	<b>Type/Model designation(s):</b> SA 365, AS 365 and EC 155 helicopters
TCDS Number:	EASA.R.105
Foreign AD:	Not applicable
Supersedure:	None
<b>ATA 33</b>	<b>Lights – Emergency Lighting Rotorcraft Flight Manual Amendment / Operational Procedure</b>
Manufacturer(s):	Airbus Helicopters (formerly Eurocopter, Eurocopter France, Aerospatiale)
Applicability:	<p>SA 365 N1, AS 365 N2 and AS 365 N3 helicopters, all manufacturer serial numbers, if equipped with Cobham or Air Precision emergency lighting battery Part Number (P/N) 704A46130033 (Manufacturer Part Number (MP/N) B1090000) or P/N 704A46130044 (MP/N B1250000).</p> <p>EC 155 B helicopters, all manufacturer serial numbers, if equipped with a Cobham or Air Precision emergency lighting battery P/N 704A46130044 (MP/N: B1250000),</p> <p>Note: EC 155 B helicopters equipped with Cobham or Air Precision emergency lighting battery P/N 704A46130044 (MP/N: B1250000) are helicopters which do not incorporate Airbus Helicopter modification 0733B45.</p>
Reason:	<p>As a result of functional checks of emergency exit light signs, several cases were reported of rapid self-discharge of the emergency lighting battery, independently from the ambient temperature. Additionally, it was determined that the battery charging failed in low temperature. An insufficiently charged emergency lighting battery does not ensure the energy supply to emergency lighting during the required 10 minute period in critical ambient conditions after an emergency landing or in another emergency situation.</p> <p>This condition, if not detected and corrected, could impede or prevent safe evacuation of the occupants from the helicopter.</p> <p>Pending the development of a new battery and to ensure the 10 minute operation of the emergency exit light signs, Airbus Helicopters issued Alert Service Bulletins (ASB) AS365-33.00.25 and ASB EC155-33A013, as</p>

	<p>applicable to helicopter model, to provide instructions to maintain the appropriate charge level of the emergency lighting battery and to provide dedicated operational procedures applicable during low temperature operation.</p> <p>For the reasons described above, this AD requires amendment of the applicable Rotorcraft Flight Manual (RFM) and accomplishment of dedicated operational and maintenance actions to ensure the required emergency battery charge level.</p>
Effective Date:	11 November 2014
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 30 days after the effective date of this AD, amend the applicable RFM by inserting a copy of Appendix 4.A, 4.B or 4.C of Airbus Helicopters ASB AS365-33.00.25 or ASB EC155-33A013, as applicable to the helicopter model, in accordance with the instructions of paragraph 3.B.1 of Airbus Helicopters ASB AS365-33.00.25 or ASB EC155-33A013, as applicable to the helicopter model and, thereafter, operate the helicopter accordingly.</li> <li>(2) Before the first flight of the day following the amendment of the RFM, as required by paragraph (1) of this AD, ensure the emergency lighting battery functional capability in accordance with the instructions of paragraph 3.B.2 of Airbus Helicopters ASB AS365-33.00.25 or ASB EC155-33A013, as applicable to the helicopter model.</li> </ol>
Ref. Publications:	<p>Airbus Helicopters ASB AS365-33.00.25 original issue dated 23 September 2014.</p> <p>Airbus Helicopters ASB EC155-33A013 original issue dated 23 September 2014.</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. 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, Certification 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: Airbus Helicopters (EBSESB) – 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@airbus.com">Directive.technical-support@airbus.com</a>.</li> </ol>