



## Airworthiness Directive

**AD No.:** 2014-0236R1

**Issued:** 28 June 2018

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

### Design Approval Holder's Name:

AIRBUS HELICOPTERS

### Type/Model designation(s):

SA 365, AS 365 and EC 155 helicopters

**Effective Date:** Revision 1: 28 June 2018  
Original issue: 11 November 2014

**TCDS Number(s):** EASA.R.105

**Foreign AD:** Not applicable

**Revision:** This AD revises EASA AD 2014-0236 dated 28 October 2014.

## ATA 33 – Lights – Emergency Lighting Rotorcraft Flight Manual Amendment / Operational Procedure

### Manufacturer(s):

Airbus Helicopters, formerly Eurocopter, Eurocopter France, Aerospatiale

### Applicability:

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), except helicopters modified in accordance with Airbus Helicopters (AH) modification (mod) 0724C44; and

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).

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.

### Reason:

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.

This condition, if not detected and corrected, could impede or prevent safe evacuation of the occupants from the helicopter.

Pending the development of a new battery and to ensure the 10 minute operation of the emergency exit light signs, AH issued Alert Service Bulletins (ASB) AS365-33.00.25 and ASB EC155-33A013, as 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 and EASA issued AD 2014-0236 to require amendment of the applicable Rotorcraft Flight Manual (RFM) and accomplishment of those procedures to ensure the required emergency battery charge level.

After this AD was issued, AH developed mod 0724C44 applicable to AS 365 and SA 365 helicopters and issued Service Bulletin (SB) No. AS365-33.00.26 to allow embodiment of this modification in in-service helicopters.

This AD is revised to recognise optional modification of an AS 365 or SA 365 helicopter by embodiment of AH mod 0724C44, as an acceptable method to comply with the requirements of this AD for that helicopter.

#### **Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

#### **RFM Amendment:**

- (1) Within 30 days after 11 November 2014 [the effective date of this AD at original issue], 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.

#### **Operational Procedure:**

- (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.

#### **Optional Modification:**

- (3) After modification of an SA 365 or AS 365 helicopter in accordance with the instructions of AH SB No. AS365-33.00.26, the RFM amendment as required by paragraph (1) of this AD is no longer necessary and can be removed from the applicable RFM of that helicopter.



**Terminating Action:**

- (5) Modification of a helicopter as specified in paragraph (3) of this AD, constitutes terminating action for the 'before first flight of the day' actions as required by paragraph (2) of this AD for that helicopter.

**Ref. Publications:**

Airbus Helicopters ASB AS365-33.00.25 original issue dated 23 September 2014, or Revision 1 dated 04 December 2015, or Revision 2 dated 18 June 2018.

Airbus Helicopters ASB EC155-33A013 original issue dated 23 September 2014, or Revision 1 dated 04 December 2015.

Airbus Helicopters AS365-33.00.26 original issue dated 06 December 2017, or Revision 1 dated 18 June 2018.

The use of later approved revisions of above-mentioned documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
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.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Helicopters Technical Support Department, Aéroport de Marseille Provence 13725 Marignane Cedex, France, Telephone +33 (0)4 42 85 97 97, Fax +33 (0)4 42 85 99 66, web portal: <https://keycopter.airbushelicopters.com>> Technical Request Management.



**Referenced Publications:**

**Airbus Helicopters ASB AS365-33.00.25**

**Airbus Helicopters ASB AS365-33.00.25, Revision 1**

**Airbus Helicopters ASB AS365-33.00.25, Revision 2**

**Airbus Helicopters ASB AS365-33.00.26**

**Airbus Helicopters ASB AS365-33.00.26, Revision 1**

**Airbus Helicopters ASB EC155-33A013**

**Airbus Helicopters ASB EC155-33A013, Revision 1**

**The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.**