



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.:** 20-054

**Issued:** 20 March 2020

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A318, A319, A320 and A321 Aeroplanes

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** EASA.A.064

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 25 – Equipment/Furnishings – Emergency Locator Transmitter Protection – Modifications

### Manufacturer(s):

Airbus, formerly Airbus Industrie

### Applicability:

Airbus A318-111, A318-112, A318-121, A318-122, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A319-151N, A319-153N, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-252N, A320-253N, A320-271N, A320-272N, A320-273N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N, A321-252N, A321-253N, A321-271N, A321-272N, A321-251NX, A321-252NX, A321-253NX, A321-271NX, A321-272NX aeroplanes, all manufacturer serial numbers.

### Definitions:

For the purpose of this AD, the following definitions apply:

**Affected part:** Emergency Locator Transmitter (ELT) having a Part Number (P/N) 01N65900.

**The SBs:** Airbus Service Bulletin (SB) A320-25-1BQP or A320-25-1BQN, as applicable.



**Groups:**

Group 1 are aeroplanes that have an affected part installed (see Note 1 of this AD).

Note 1: Aeroplanes having Airbus modification (mod) 33345 or 34334 embodied in production, or having Airbus SB A320-23-1242, A320-23-1376, A320-23-1746, A320-23-1750, A320-23-1824 or A320-23-1B41 embodied in service, are Group 1, provided that the affected part was not replaced since modification.

Group 2 are aeroplanes that do not have an affected part installed.

**Reason:**

The results of engineering investigations by laboratory test on ELT battery highlighted that a lack of protection against current injection of 28 Volts DC or 115 Volts AC on a non-rechargeable ELT lithium battery could, even after significant delay, induce a battery fire.

This condition, if not corrected, could lead to local (temporary) fire, possibly resulting in damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, Airbus issued the SBs to provide modification instructions to improve the ELT battery current injection protection.

For the reasons described above, this AD requires a modification by installing a diode in the aeroplane circuit connecting the ELT battery.

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

Required as indicated, unless accomplished previously:

**Modification:**

- (1) For Group 1 aeroplanes: Within 24 months after the effective date of this AD, modify the aeroplane in accordance with the instructions of the SBs.
- (2) An aeroplane on which Airbus mod 165755 (diode installation) concurrently with mod 34334 are embodied in production is not affected by the requirements of paragraph (1) of this AD.

**Parts Installation:**

- (3) For Group 2 aeroplanes: From the effective date of this AD, it is allowed to install an affected part on any aeroplane, provided that the aeroplane is concurrently modified in accordance with the instructions of the SBs.

**Ref. Publications:**

Airbus SB A320-25-1BQP original issue dated 05 December 2019.

Airbus SB A320-25-1BQN original issue dated 05 December 2019.

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



**Remarks:**

1. This Proposed AD will be closed for consultation on 17 April 2020.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51;  
E-mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).

