



Airworthiness Directive

AD No.: 2020-0058

Issued: 17 March 2020

Note: This Airworthiness Directive (AD) 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.

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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A380 Aeroplanes

Effective Date: 31 March 2020

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Emergency Locator Transmitter Protection – Modification

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers, except those that have embodied Airbus modification 78228 in production.

Definitions:

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

Affected part: Emergency Locator Transmitters (ELT), having Part Number 01N65900.

The SB: Airbus Service Bulletin (SB) A380-25-8258.

Reason:

The results of engineering investigations by laboratory test on an 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 a local (temporary) fire, possibly resulting in damage to the aeroplane and injury to occupants.

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

For the reasons described above, this AD requires a modification of ELT protection by installing a diode between the affected part and the terminal block.

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

Required as indicated, unless accomplished previously:

Modification:

Within 24 months after the effective date of this AD, install a diode between the affected part and the terminal block in accordance with the instructions of the SB.

Ref. Publications:

Airbus SB A380-25-8258 original issue dated 02 December 2019.

The use of later approved revisions of the above-mentioned document 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. This AD was posted on 11 February 2020 as PAD 20-033 for consultation until 10 March 2020. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: 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 SAS - IIANA (Airworthiness Office), Telephone: +33 562 110 253, Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

