

Airworthiness Directive

AD No.: 2023-0137

Issued: 12 July 2023

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

DEUTSCHE AIRCRAFT GmbH

Type/Model designation(s):

Dornier 328 aeroplanes

Effective Date: 26 July 2023

TCDS Number(s): EASA.A.096

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Fuel Tank / Bonding Straps – Inspection

Manufacturer(s):

Dornier Luftfahrt GmbH, Fairchild-Dornier GmbH, AvCraft Aerospace GmbH

Applicability:

Dornier 328-100 and Dornier 328-300 aeroplanes, all manufacturer serial numbers.

Definitions:

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

The ASB: Deutsche Aircraft GmbH Alert Service Bulletin (ASB) ASB-328-28-047 or ASB-328J-28-023, as applicable.

Affected part: Bonding straps located inside the feeder wing tank (left-hand (LH) and right-hand (RH) sides), outer and inner wing tanks (LH and RH sides).

Reason:

Occurrences were reported of finding damaged affected parts. The extent of the detected damage of the affected parts did not ensure that appropriately low electrical impedance is obtained and maintained through the affected bonding path. The investigation is ongoing to determine the root cause of the damage.

This condition, if not detected and corrected, could lead to the loss of bonding function and, in combination with a lightning strike, create a source of ignition in a fuel tank, possibly resulting in a fire or explosion and consequent loss of the aeroplane.

To address this potential unsafe condition, Deutsche Aircraft GmbH issued the ASB, as defined in this AD, providing inspection instructions.

For the reasons described above, this AD requires a one-time detailed inspection of each affected part and, depending on findings, replacement.

This AD is considered to be an interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) Within 160 days after the effective date of this AD, inspect each affected part in accordance with the instructions of the ASB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, any damage is detected as defined in the ASB, before next flight, replace the damaged affected part with a new part or contact Deutsche Aircraft GmbH for corrective action instructions and accomplish those instructions accordingly.

Ref. Publications:

Deutsche Aircraft GmbH ASB-328-28-047 original issue dated 25 May 2023.

Deutsche Aircraft GmbH ASB-328J-28-023 original issue dated 25 May 2023.

The use of later approved revisions of the 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. This AD was posted on 13 June 2023 as PAD 23-066 for consultation until 11 July 2023. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety 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](#). This may include reporting on the same or similar components, other than



those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.

5. For any question concerning the technical content of the requirements in this AD, please contact: Deutsche Aircraft GmbH, Oberpfaffenhofen Airport, D-82234 Wessling, Federal Republic of Germany; Telephone: +49 (0)8153 88111 6666; Fax: +49 (0)8153 88111 6565; E-mail gsc.op@deutscheaircraft.com.

Superseded

