



Airworthiness Directive

AD No.: 2022-0050

Issued: 22 March 2022

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: 05 April 2022

TCDS Number(s): EASA.A.096

Foreign AD: Not applicable

Supersedure: None

ATA 11 – Placards – Installation

ATA 25 – Emergency Equipment – Gloves – Installation

ATA – Aircraft Flight Manual – Emergency Procedure - SMOKE – Amendment

Manufacturer(s):

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

Applicability:

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

Definitions:

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

The SB: 328 Support Services GmbH Service Bulletin SB-328-25-574 (for Dornier 328-100 aeroplanes), or SB-328J-25-337 (for Dornier 328-300 aeroplanes), as applicable.

The AFM emergency procedure: Aircraft Flight Manual (AFM) Temporary Revisions (TR) AFM-TR 19-009, AFM-TR 19-010, AFM-TR 19-011 and AFM-TR 19-012 (for Dornier 328-100 aeroplanes) or AFM-TR 19-004, AFM-TR 19-005, AFM-TR 19-006, AFM-TR 19-007 and AFM-TR 19-008 (for Dornier 328-300 aeroplanes), as applicable.



The AFM: Dornier 328-100 AFM Doc. No. AM-AFM-050893-ENV issue dated 28 February 2021 and Dornier 328-300 AFM Doc. No. AM-AFM-050599-ENV issue dated 21 February 2021, which contain the content of the AFM emergency procedure, as defined in this AD.

Reason:

EASA issued Continuing Airworthiness Review Item (CARI) 25-09 requesting Type Certificate Holders to investigate the potential risk of in-flight fire of lithium batteries installed in Personal Electronic Devices (PED). PED stowage locations in the flight deck may be located in the proximity of oxygen lines, oxygen mask boxes and/or other critical system components. The effect of a PED fire on a critical system component as well as the development of smoke in the flight deck had to be investigated. Dornier 328 aeroplanes have some possible stowages for PED in the flight deck and a safety analysis was performed at all possible locations. As a result, for the side console forward stowage, it was concluded that in case of a PED fire, the panels of the stowage may not be able to withstand the released heat and the oxygen supply line can be damaged.

This condition, if not corrected, could result in an oxygen fed fire in the flight deck, possibly resulting in an uncontrolled fire.

To address this potential unsafe condition, 328 Support Services (the previous Design Approval Holder) issued the SB, as defined in this AD, to install a placard "NO PED STOWAGE" in the cockpit at the side console forward stowage, and to install fire resistant gloves as emergency equipment stowed in the cockpit step, next to the fire extinguisher. In addition, 328 Support Services issued the AFM emergency procedure, as defined in this AD, and revised the AFM, as defined in this AD.

For the reasons described above, this AD requires the installation of a placard and fire resistant gloves, and the amendment of the applicable AFM.

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

Required as indicated, unless accomplished previously:

Placard and Gloves Installation:

- (1) Within 24 months after the effective date of this AD, install a placard and fire resistant gloves in accordance with the instructions of the SB.

AFM Amendment:

- (2) Within 24 months after the effective date of this AD, amend the applicable AFM by incorporating the AFM emergency procedure or use the AFM, inform all flight crews, and, thereafter, operate the aeroplane accordingly.

Ref. Publications:

328 Support Services GmbH SB-328-25-574 for 328-100 original issue dated 15 December 2021.

328 Support Services GmbH SB-328J-25-337 for 328-300 original issue dated 15 December 2021.

Dornier 328-100 AFM Doc. No. AM-AFM-050893-ENV:

TR 328-100 AFM-TR 19-009 issue dated 30 October 2019.

TR 328-100 AFM-TR 19-010 issue dated 30 October 2019.

TR 328-100 AFM-TR 19-011 issue dated 30 October 2019.



TR 328-100 AFM-TR 19-012 issue dated 30 October 2019.

Dornier 328-300 AFM Doc. No. AM-AFM-050599-ENV:

TR 328-300 AFM-TR 19-004 issue dated 30 October 2019.

TR 328-300 AFM-TR 19-005 issue dated 30 October 2019.

TR 328-300 AFM-TR 19-006 issue dated 30 October 2019.

TR 328-300 AFM-TR 19-007 issue dated 30 October 2019.

TR 328-300 AFM-TR 19-008 issue dated 30 October 2019.

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 17 February 2022 as PAD 22-014 for consultation until 17 March 2022. 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, Postfach 1252, D-82231 Wessling, Federal Republic of Germany. Telephone: +49 (0)8153 88111 6666; Fax: +49 (0)8153 88111 6565, E-mail gsc.op@deutscheaircraft.com.

