



Airworthiness Directive

AD No.: 2024-0183

Issued: 20 September 2024

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:

POLSKIE ZAKŁADY LOTNICZE Sp.z.o.o.

Type/Model designation(s):

PZL M28 aeroplanes

Effective Date: 04 October 2024

TCDS Number(s): EASA.A.058

Foreign AD: Not applicable

Supersedure: None

ATA – Aircraft Flight Manual – Section 3, Emergency Procedures – Amendment

Manufacturer(s):

Polskie Zakłady Lotnicze Sp.z.o.o. (PZL)

Applicability:

PZL M28 02-W and PZL M28 05 aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

The AFM Update:

PZL M28 02-W Airplane Flight Manual (AFM), ref. M28/LTO-3/27/95/02-W,
Section 3, Emergency Procedures, Revision 33;
Sub-section 3.5.1, page 3-4 dated 09 July 2024;
Sub-section 3.5.9, page 3-9 dated 09 July 2024;
Sub-section 3.7.1, page 3-18 and 3-19 dated 09 July 2024, and
Sub-section 3.7.9, page 3-25 and 3-26 dated 09 July 2024;
and/or
PZL M28 05 AFM, ref. M28/10/2002,
Section 3, Emergency Procedures, Revision 55;
Sub-section 3.5.1, page 3-4 dated 09 July 2024;
Sub-section 3.5.9, page 3-9 dated 09 July 2024;



Sub-section 3.7.1, page 3-17 and 3-18 dated 09 July 2024, and
Sub-section 3.7.9, page 3-25 and 3-26 dated 09 July 2024,
as applicable.

The SB: PZL Service Bulletin (SB) E/12.148/2024.

Reason:

Occurrences were reported by pilot instructors where, during type rating training with PZL M28 aeroplanes, students applied an incorrect flap setting and airspeed while practicing the emergency procedure for an approach and landing with one engine inoperative (OEI) after a simulated engine failure.

Further investigation revealed that the root cause for these events were typos in the AFMs of the PZL aircraft models M28 02-W and M28 05. Application of an incorrect flap setting and a wrong airspeed during the approach for landing under (simulated) OEI conditions after an engine failure could lead to reduced control of the aeroplane in case of a necessary go-around, possibly resulting in loss of control of the aeroplane and/or injury to occupants.

To address this potential unsafe condition, PZL published the SB, as defined in this AD, to provide instructions for the required corrections of the AFMs and related emergency procedure checklists for of PZL M28 02-W and M28 05 aeroplanes, as applicable, by incorporation of the AFM Update, as defined in this AD, which incorporates the appropriate flap setting and the applicable airspeed to be applied during the approach for landing when descending under OEI conditions after a (simulated) engine failure.

For the reason described above, this AD requires amendment of the applicable AFMs and related emergency procedure checklists by incorporating the AFM Update, which contains the corrected flap setting and airspeed to be applied during the approach for landing under OEI conditions.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

AFM Amendment:

- (1) Within 30 days after the effective date of this AD, amend the applicable AFMs and related emergency procedure checklists by incorporating the AFM Update in accordance with the instructions of the SB, inform all pilots about this AFM Update and, thereafter, operate the aeroplane accordingly.
- (2) Amendment of the applicable AFM and related emergency procedure checklists of an aeroplane, after the effective date of this AD, by implementation of any later AFM revision that incorporates the same content as the AFM Update, is an acceptable method to comply with the AFM amendment required by paragraph (1) of this AD for that aeroplane.



Ref. Publications:

PZL SB E/12.148/2024 original issue dated 25 July 2024.

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 20 August 2024 as PAD 24-104 for consultation until 17 September 2024. 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: Polskie Zakłady Lotnicze Sp.z.o.o., ul. Wojska Polskiego 3, 39-300 Mielec, Poland; Telephone: +48 177 431 900 or E-mail: pzl.lm@global.lmco.com.

