

## Notification of a Proposal to issue an Airworthiness Directive

**PAD No.: 22-154**

**Issued: 15 November 2022**

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:**

PILATUS AIRCRAFT Ltd

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

PC-24 aeroplanes

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

**TCDS Number(s):** EASA.A.594

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 34 – Navigation – Weather Radar System Redundant Wiring – Modification

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**Manufacturer(s):**

Pilatus Aircraft Ltd (Pilatus)

**Applicability:**

PC-24 aeroplanes, manufacturer serial numbers (MSN) 231 to 252 inclusive, MSN 254 and MSN 255.

**Definitions:**

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

**The SB:** Pilatus PC-24 Service Bulletin (SB) 34-010.

**Reason:**

An occurrence was reported where an incorrect wiring arrangement was detected around the weather radar system on certain PC-24 aeroplanes. In case of a lightning strike event, the functionalities related to the Advanced Graphic Module (AGM) 1 and AGM2, the Dual Generic Input/Output (DGI0) 1 card in the Modular Avionics Unit (MAU) 1 module of the Honeywell Advanced Cockpit Environment (ACE) system and the Attitude Heading Reference System (AHRS) 2 may be affected.

This condition, if not corrected, could lead to the partial loss of flight and navigation data displayed to the pilot(s), possibly resulting in increased flight crew workload and a consequent reduction of safety margins.

To address this potential unsafe condition, Pilatus issued the SB, providing instructions to modify the redundant weather radar wiring.

For the reason described above, this AD requires modification of the redundant weather radar wiring.

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

Required as indicated, unless accomplished previously:

#### Modification:

Within 9 months after the effective date of this AD, disconnect, cap and stow the redundant wires that are installed outside of the braided shielding sleeve of the weather radar system in accordance with the instructions of the SB.

#### Ref. Publications:

Pilatus PC-24 SB 34-010 original issue dated 22 September 2022.

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

#### Remarks:

1. This Proposed AD will be closed for consultation on 13 December 2022.
2. Enquiries regarding this PAD should be referred to the EASA Safety 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD 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.
4. For any question concerning the technical content of the requirements in this PAD, please contact: Pilatus Aircraft Ltd Technical Support, CH-6371 Stans, Switzerland, Telephone: +41 848 247 365, E-mail: [techsupport.ch@pilatus-aircraft.com](mailto:techsupport.ch@pilatus-aircraft.com), Website: [www.pilatus-aircraft.com](http://www.pilatus-aircraft.com).

