



## Airworthiness Directive

**AD No.:** 2017-0024

**Issued:** 13 February 2017

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

### Design Approval Holder's Name:

PILATUS AIRCRAFT Ltd

### Type/Model designation(s):

PC-12 aeroplanes

**Effective Date:** 27 February 2017

**TCDS Number(s):** EASA.A.089

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA – Aircraft Flight Manual – Section Limitations / Primus APEX Build 10 or 10.9 – Amendment

#### Manufacturer(s):

Pilatus Aircraft Ltd.

#### Applicability:

PC-12/47E aeroplanes, all manufacturer serial numbers.

#### Reason:

An occurrence was reported of a split between the vertical guidance data and the flight director steering commands during a Vertical Glide Path (VGP) approach. Subsequent investigation identified an error within the Flight Management System (FMS) that was introduced into Primus APEX software (S/W) Build 10 and S/W Build 10.9.

This condition, if not corrected, could lead to loss of control of the aeroplane.

To address this potential unsafe condition, Pilatus issued Temporary Revision (TR) No. 38 to the PC-12/47E Pilot's Operating Handbook, (POH) Report No: 02277 (hereafter referred to as "POH TR38" in this AD), limiting VGP Approach mode sourced on baro Vertical Navigation (VNAV) to visual meteorological conditions (VMC) only, and providing procedures applicable in case of VGP deviation occurring during baro VNAV approaches.



For the reason described above, this AD requires amendment of the applicable Aircraft Flight Manual (AFM).

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

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

Required as indicated, unless accomplished previously:

- (1) For aeroplanes having Primus APEX S/W Build 10 or S/W Build 10.9 installed, within 30 days after the effective date of this AD, amend the applicable AFM by inserting a copy of POH TR38, inform all flight crews, and, thereafter, operate the aeroplane accordingly.
- (2) From the effective date of this AD, it is allowed to install Primus APEX S/W Build 10 or S/W Build 10.9 on an aeroplane, provided that, concurrently with that installation, the applicable AFM of the aeroplane is amended as required by this AD.

**Ref. Publications:**

Pilatus PC-12/47E POH, Report No: 02277, Temporary Revision No. 38 dated 08 February 2017.

The use of later approved revisions of this 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: Pilatus Aircraft Ltd, Customer Support PC-12, CH-6371 Stans, Switzerland  
Telephone: +41 41 619 33 33, Fax: +41 41 619 73 11,  
E-mail: [SupportPC12@pilatus-aircraft.com](mailto:SupportPC12@pilatus-aircraft.com), Website: [www.pilatus-aircraft.com](http://www.pilatus-aircraft.com).

