



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2009-009
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	16 September 2009	Pilatus – PC-7 MkII FOCA TC/TCDS No: F 56-25

Issue Date: 02 September 2009

ATA Chapter: ATA 46 – Information Systems

Subject: **Information Systems – Primary Flight Display – Replacement**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-7 MkII aircraft, Manufacturer Serial Numbers (MSN) 606 through MSN 616 inclusive and MSN 675 through MSN 684 inclusive.

Reason: This Airworthiness Directive (AD) is prompted by reported incorrect flap position indication on the Primary Flight Display (PFD). Investigation revealed that the microswitch on the flap actuator, that controls take-off position and indication, had a broken spring. At the moment, the PFD has a priority logic implemented for a multiple flap input, which can cause, together with a broken microswitch, an incorrect flap position indication.

Such a condition, if left uncorrected, could lead to incorrect flap position and indication which may be undetected by the pilot. This can lead to:

- an unexpected increase of the required take-off length.
- an unexpected increase of stall speed with potential loss of control of the aircraft.

In order to correct and control the situation, this AD requires a PFD software upgrade which implements a new logic. The new logic will be that if two or more flap inputs to the PFD are active, the flap indication on the PFD will be displayed in red.

Required actions(s) and Compliance Time(s): Required as indicated below, unless already accomplished:

- 1) Within 3 months after the effective date of this AD, remove the PFD units Part Number (P/N) 975.96.32.727 in accordance with the accomplishment instructions of paragraph (§) 3.A.(4) of PILATUS PC-7 MkII Service Bulletin (SB) No. 46-002.
- 2) Install the modified PFD units P/N 975.96.32.730 in accordance with the accomplishment instructions of § 3.B. and C. of PILATUS PC-7 MkII SB No. 46-002.

Lufttüchtigkeitsanweisung (LTA)
Consigne de Navigabilité (CN)
Direttive sulla Navigabilità (DN)
Airworthiness Directive (AD)

FOCA AD
HB-2009-009

- 3) After the effective date of this AD, no person shall install a PFD unit P/N 975.96.32.727 on any post SB No. 46-002 aircraft as defined in the applicability paragraph.

Ref. Publication(s): PILATUS PC-7 MkII Service Bulletin No. 46-002, initial issue.

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

For further information contact: The applicable manufacturer's documentation may be obtained directly from:

PILATUS AIRCRAFT LTD.
Customer Liaison Manager
CH-6371 Stans, Switzerland

Tel.: +41 (0)41 619 62 26 Fax: +41 (0)41 619 61 70
E-mail: snolan@pilatus-aircraft.com

For further information contact:

FEDERAL OFFICE OF CIVIL AVIATION (FOCA)
Design and Production (STEH)
CH-3003 Bern, Switzerland

Fax: +41 (0) 31 322 59 18
E-mail: airdir@bazl.admin.ch