



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2010-008
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	26 March 2010	Pilatus – PC-21 FOCA TC/TCDS No: F 56-35

Issue Date: 12 March 2010

ATA Chapter: ATA 35 – Oxygen

Subject: **Oxygen – On-Board Oxygen-Generating System (OBOGS) – Modification**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-21 aircraft, Manufacturer Serial Numbers (MSN) 103 through MSN 108 inclusive and MSN 109 through MSN 127 inclusive.

Reason: This Airworthiness Directive (AD) is prompted due to the discovery that not all Built-in-Test (BIT) failures from the OBOGS generate the correct warnings.

Such a condition, if left uncorrected, could lead to loss of annunciation of OBOGS malfunction and as a consequence the possibility of hypoxia for the crew can occur.

In order to correct and control the situation, this AD requires a modification of the OBOGS wiring in the aircraft. Furthermore a software update to the Line Test Equipment (LTE) and an update of the control logic in all the Remote Input/Output Concentrators (RIOCs) are mandated by this AD.

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

Time(s): For MSN 103 through MSN 108:

- (1.1.) Within the next 3 months after the effective date of this AD, modify the aircraft wiring as required by paragraph (§) 3.B.(1) of PILATUS PC-21 Service Bulletin No. 35-002.
- (1.2.) Within the next 3 months after the effective date of this AD, perform software updates to the LTE and the control logic in all RIOCs as required by § 3.B.(2) to (5) of PILATUS PC-21 Service Bulletin No. 35-002.

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For MSN 109 through MSN 127:

- (2.1.) Within the next 3 months after the effective date of this AD, modify the aircraft wiring as required by § 3.B.(1) of PILATUS PC-21 Service Bulletin No. 35-001.
- (2.2.) Within the next 3 months after the effective date of this AD, perform software updates to the LTE and the control logic in all RIOCs as required by § 3.B.(2) to (8) of PILATUS PC-21 Service Bulletin No. 35-001.

Ref. Publication(s): PILATUS PC-21 Service Bulletin No. 35-001, initial issue.
PILATUS PC-21 Service Bulletin No. 35-002, 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:

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