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# **Type Acceptance Report**

**TAR 1/21B/10**

**PZL-SWIDNIK PW-6U**



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## Introduction

This report details the basis on which Type Acceptance Certificate No.1/21B/10 was granted in the Standard category in accordance with NZCAR Part 21 Subpart B.

Specifically the report aims to:

- (a) Record the airworthiness certification standard used for type acceptance of the applicable model in New Zealand;
- (b) Summarise any outstanding requirements which must be complied with for the issue of a NZ Airworthiness Certificate to the model covered by the Type Acceptance Certificate.

## Foreign Type Certificate Details

Type Certificate: BG-213

Issued by: General Inspectorate of Civil Aviation, Republic of Poland.

Manufacturer: WSK "PZL-SWIDNIK" S.A.

Model: PW-6U

MCTOW 550 kgs (1210 lbs)

Noise Category: N/A

The certification basis of the PW-6U is JAR 22 at change 5 dated 28 October 1995, category U (Utility).

This is an acceptable certification basis in accordance with Advisory Circular AC21-1B, as it is listed as a standard accepted by the Director. (There is no basic standard for gliders called up under Part 21 Appendix C.) There are no non-compliances and no special conditions have been prescribed by the Director under §21.23.

## Type Acceptance Application

The application for New Zealand type acceptance was from John Roake Ltd (client No 24141) dated 28-12-2000. (The manufacturer had also applied via the Polish authority directly to the NZCAA for validation of the Polish type certificate.)

Type Acceptance Certificate No.1/21B/10 was granted on 9 January 2001.

## Type Data

The type data requirements of NZCAR Part 21B Para §21.43 have been satisfied by supply of the following documents:

- (1) Type certificate: BG-213 and associated Technical Data Sheet (Document PW-6U/ADTU/2000 - 3 pages).
- (2) Airworthiness design requirements: Already held by the CAA
- (3) Certification compliance listing: PW-6U Sailplane JAR 22 Compliance Checklist.  
Document No. PW-6U/CLU/I/2000
- (4) Flight manual: PW-6U Sailplane Flight Manual  
Document No PW-6U/IUL/I/2000Aa. CAA Accepted as AIR 2708
- (5) Illustrated Parts Catalogue: There is no separate parts catalogue.
- (6) Maintenance manual and service data for aircraft:  
PW-6U Sailplane Maintenance Manual – Document No PW-6U/IOT/I/2000Aa
- (7) Agreement from manufacturer to supply updates of data in (4) and (6):  
CAA 2171 form (replica) from PZL-Swidnik President, General Director, dated 20/12/2000, plus additional PZL-Swidnik Statement agreeing to supply Service Bulletins.
- (8) Other information: Certificate of Approval No Z-BG-43/00  
List of main Constructional Drawings glider PW-6U  
Report – Factory and Certification Flight tests PW-6U  
Sailplane – Document No PW-6U/SPPL/I/2000

## Additional New Zealand Certification requirements

Compliance with the following additional NZ requirements has been reviewed and was found to be covered by either the original certification requirements or the basic build standard of the aircraft, except as noted:

### Civil Aviation Rules Part 26

#### Subpart B - Additional Airworthiness Requirements

Appendix B - All Aircraft

PARA:	REQUIREMENT:	MEANS OF COMPLIANCE:
B.1	Marking of Doors and Emergency Exits	Maintenance Manual – Para 2.5
B.2	Crew Protection Requirements - CAM 8 Appdx. B # .35	Agricultural Aircraft – <i>Not Applicable</i>

### Civil Aviation Rules Part 91

#### Subpart F - Instrument and Equipment Requirements

PARA:	REQUIREMENT:	MEANS OF COMPLIANCE:
91.505	Seating and restraints	Flight manual – para 2.9
91.507	Pax Information Signs - Smoking, safety belts fastened	N/A – 2 seat glider
91.509	Minimum equipment.	N/A - glider
91.511	Night equipment	N/A - glider
91.517	IFR equipment	N/A - glider
91.519	IFR Communication and Navigation Equipment	Not required under CAR 104.53

91.523	Emergency equipment	All N/A – 2 seat glider.
91.529	ELT installation	To be assessed for each aircraft.
91.531	Oxygen Indicators - Volume/Pressure/Delivery	To be assessed for each aircraft.
91.533	Oxygen – unpressurised aircraft	To be assessed for each aircraft.
91.535	Oxygen – pressurised aircraft.	N/A – Not pressurised.
91.541	SSR Transponder and Altitude Reporting Equipment	Not required under CAR 104.53
91.543	Altitude Alerting Device - Turbojet or Turbofan	N/A – glider
91.545	Assigned Altitude Indicator	Not required under CAR 104.53
A.15	ELT Installation Requirements	To be assessed for each individual aircraft.

## Civil Aviation Rules Part 104

### Subpart C - Equipment Requirements

104.101(1)	an airspeed indicator	Flight Manual – para 2.9
104.101(2)	a pressure sensitive altimeter adjustable for baromet. Press.	Flight Manual – para 2.9
104.101(3)	a magnetic compass	Flight Manual – para 2.9
104.101(4)	a safety harness for each seat	Flight Manual – para 2.9
104.101(5)	a first aid kit	To be assessed for each aircraft.

## Summary

Type Acceptance Certificate No 1/21B/10 has been granted to the PW-6U and all examples are now eligible for the issue of a New Zealand Airworthiness Certificate in the Standard Category in accordance with CAR §21.177, subject to any outstanding operational requirements noted above being met.

## Attachments

The following documents form attachments to this report:

- Three-view drawing PW-6U
- Copy of Type Certificate BG-213 and associated Technical Data Sheet

## Sign off

Peter Gill  
Airworthiness Engineer

Date: 9 January 2001