

PC - 12

AIRPLANE EQUIPMENT LIST

Report No. 02047

SERIAL No.: 142

REGISTRATION No.: OE-EKJ

DATE: 11.03.96

PILATUS AIRCRAFT LTD.
CH-6370 STANS
SWITZERLAND

Within this report contains the Airplane Equipment List for the above indicated airplane at the time of license at the factory. This list itemizes the equipment installed for the Basic Empty Weight condition and is grouped according to the ATA 100 System.

Items marked 'X' are included in the Basic Empty Weight as recorded in Figure 6-2, Airplane Basic Empty Weight, in the Pilot's Operating Handbook and Airplane Flight Manual Report 01973. Unmarked items are either optional or alternative items not delivered with the airplane.

Issued: June 30, 1994
Revision 7: Apr 2, 1996

Report No: 02047

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LOG OF REVISIONS

Revision Number	Page Number	Description
1	1-16	Complete revision
2	1-16	Complete revision
3	1-16	Complete revision
4	1-10	Clock Part No. changed
	1-11	Altimeter, encoding option added
	1-12	EFIS, Argus moving map display option added
	1-12	Stormscope, processor and antenna option added
5	1-6	AOA transmitters changed and temp. controller added
	1-9	Stabilizer trim actuator and warning system changed
	1-10	CAWS control unit changed
	1-11	Encoding altimeter mass and arm added
	1-12	Stormscope mass and arm added
6	1-16	Complete revision
7	1-10	Icing modification equipment Part Nos changed
	1-11	Icing mod. Wing Inspection Light Part No changed
	1-12	TCAS, processor and antennas added
	1-12	2nd AHRS, sensor and valve added
	1-13	Text run on - no changes

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Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
	21	AIR CONDITIONING			
X		Valve, High Pressure Bleed Air Shut-off	959.90.20.131	0.710	2.40
X		Valve, Low Pressure Non-Return	963.30.11.101	0.071	2.15
X		Valve, Primary Shut-off	959.90.20.132	1.210	2.94
X		Assembly, Refrigeration Package	959.90.20.111	8.225	2.55
X		Valve, Temperature Control	959.90.20.134	1.725	2.87
X		Injector, Water	959.90.20.141	0.024	2.34
X		Assembly, Water Separator	521.41.12.060	1.013	2.62
X		Switch, Overtemperature	973.81.32.121	0.120	2.76
X		Sensor, Duct Temperature	959.90.20.121	0.043	2.83
X		Switch, High Pressure Bleed Air Overpressure	973.81.15.101	0.113	2.12
X		Controller, Temperature	959.90.20.123	0.431	3.05
X		Valve, ECS Temperature Control	959.90.20.134	0.077	4.60
X		Valve, Non-Return (Distribution)	963.30.11.102	0.045	4.25
X		Assembly, Shut-off Valve	521.22.12.071	0.800	3.02
X		Pump, Jet	959.90.91.161	0.075	4.30
X		Valve, Check	959.90.91.151	0.032	4.32
X		Valve, Solenoid Air NC	963.14.11.001	0.227	4.27
X		Valve, Solenoid Air NO	963.14.11.002	0.227	4.27
X		Controller, Outflow Valve	959.90.91.141	0.790	3.45
X		Tank, Auxiliary Volume	959.90.91.111	0.127	3.06
X		Valve, Cabin Safety	959.90.91.131	0.807	4.29
X		Valve, Cabin Outflow	959.90.91.121	0.807	4.29
X		Controller, Manual Pressure	959.90.91.101	0.136	3.47
X		Compressor, Vapor System	959.90.22.101	23.131	10.17
X		Evaporator Module, Cabin Fan LH	959.90.22.112	3.040	9.40
X		Venturi, 2 in.	963.41.12.073	0.326	2.94
X		Venturi, 1½ in.	963.41.12.074	0.270	2.31
X		Evaporator Module, Cabin Fan RH	959.90.22.113	3.040	9.40
X		Evaporator Module, Cabin Fan Flood	959.90.22.113	3.040	9.40
X		Heater, Cabin	969.67.81.501	4.000	5.22
X		Valve, Shut-off, Firewall	963.30.11.001	0.633	3.13
X		Alt/PX Indicator	965.23.23.201	0.380	3.52
X		Cab Rate Indicator	965.16.21.001	0.371	3.52
X		Heater, Cockpit	969.67.81.501	4.000	5.22
X		Switch, Cabin Pressure Differential	965.23.21.532	0.170	4.41
X		Switch, Maximum Cabin Altitude	965.23.21.531	0.170	4.41
		Recirculation Blower	959.90.22.151	1.900	9.40

Mark 'X' if Installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		Recirculation Blower	959.90.22.152	1.900	9.40
	22	AUTO-FLIGHT			
		AUTOPILOT			
X		Autopilot Control Computer	985.92.03.104	1.630	8.40
X		Computer, Air Data KDC 222	985.92.03.111	0.440	3.25
X		Panel, KMC 321 Control	985.92.03.121	0.400	3.50
X		Selector, KAS 297C Altitude	985.92.03.131	0.515	3.50
X		Adapter, KTA 336 Pitch Trim	985.92.03.181	0.720	8.40
X		Actuator, KSA 372 Pitch Servo	985.92.03.161	2.290	11.50
X		Mount, KSM 375 Pitch Servo	985.92.03.173	0.565	11.50
X		Actuator, KSA 372 Roll Servo	985.92.03.161	2.290	6.38
X		Mount, KSM 375 Roll Servo	985.92.03.171	0.565	6.38
X		Actuator, KSA 372 Yaw Servo	985.92.03.163	3.200	11.50
X		Mount, KSM 375 Yaw Servo	985.92.03.171	0.565	11.50
X		Stick Push Cont/WT Gen	975.44.23.103	1.300	4.89
X		Transmitter, AOA, Wing LH	975.44.21.415	0.700	5.10
X		Transmitter, AOA, Wing RH	975.44.21.416	0.700	5.10
X		Stick Pusher Actuator	978.61.11.102	0.590	5.97
X		Stick Shaker Actuator	978.61.11.143	0.650	3.13
X		Temperature Controller (2) (ea)	975.44.21.417	0.205	5.50
	23	COMMUNICATIONS			
		AUDIO SYSTEM			
X		Panel, Audio Selector	985.99.11.033	0.640	3.50
X		Hand Microphone Pilot	984.22.11.301	0.275	3.50
X		Hand Microphone Co-Pilot	984.22.11.301	0.275	3.50
X		Headset, Pilot	984.32.16.001	0.280	4.50
X		Headset, Co-Pilot	984.32.16.001	0.280	4.50
		VHF COM/NAV 1 SYSTEM			
X		Converter, NAV, Dual	975.96.32.482	1.600	7.00
X		Indicator VOR/LOC/GS/CV	985.99.11.302	0.729	3.50
		Transceiver, KX 155	985.99.11.256	2.310	3.50
X		Transceiver, KX 165	985.99.11.254	2.310	3.50
X		Antenna, COM 1	984.81.10.203	1.319	8.40
X		Antenna, NAV System	984.81.10.280	0.754	12.70

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
X		Coupler Antenna NAV 1/NAV 2	984.81.17.413	0.095	3.25
		VHF COM/NAV 2 SYSTEM			
		Transceiver, KX 155	985.99.11.256	2.310	3.50
X		Transceiver, KX 165	985.99.11.254	2.310	3.50
X		Antenna, COM 2	984.81.10.203	1.319	7.77
		HF SYSTEM			
X		Control Panel, KCU 951	985.99.11.901	0.675	3.50
X		HF Transceiver, KTR 953	985.99.11.906	2.940	9.04
X		Coupler, KAC 952	985.99.11.903	6.500	10.00
X		HF Antenna	523.11.12.005	0.634	11.27
	24	ELECTRICAL POWER			
X		Battery, Ni-Cad	976.17.31.301	36.400	10.72
X		Starter/Generator	978.91.23.431	12.970	2.67
X		2nd Generator	978.87.24.121	7.960	2.60
X		Inverter, Battery	975.04.21.103	4.267	4.64
X		Inverter, Generator	975.04.21.103	4.267	4.64
X		Electr Cargo Door Actuation System	552.71.12.020	4.500	9.30
X		Cross Tie, BAT GEN	972.55.37.003	1.369	4.64
X		Cross Tie, GEN 2	972.55.37.004	1.369	4.64
X		RF Filter Interference (2) (ea.)	980.61.11.003	0.340	4.64
X		Device, Protection, Overvoltage	988.21.16.101	0.100	10.95
X		Sensor, Battery Current	975.50.85.104	0.085	10.60
X		Sensor, Generator 1	975.50.85.104	0.085	4.64
X		Sensor, Generator 2	975.50.85.104	0.085	4.64
	25	EQUIPMENT FURNISHINGS			
X		Emergency Locator Transmitter Kannad 406AF	985.13.80.853	2.500	10.50
X		Antenna, ELT	985.13.80.807	0.105	11.27
		COCKPIT			
X		Pilot Seat LH	959.30.01.111	16.470	4.20
X		Co-Pilot Seat RH	959.30.01.112	16.470	4.20
X		LH Bulkhead	950.10.00.047	2.415	4.56
		RH Bulkhead (Standard Cabin only)	950.10.00.050	1.880	4.56

Mark 'X' if Installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		CORPORTE COMMUTER CABIN (9 Seat Configuration)			
		Seat PAX 1 LH FF	959.30.01.501	11.340	5.88
		Seat PAX 2 RH FF	959.30.01.502	11.340	5.88
		Seat PAX 3 LH FF	959.30.01.501	11.340	6.40
		Seat PAX 4 RH FF	959.30.01.502	11.340	6.40
		Seat PAX 5 LH FF	959.30.01.501	11.340	7.21
		Seat PAX 6 RH FF	959.30.01.502	11.340	7.21
		Seat PAX 7 LH FF	959.30.01.501	11.340	8.02
		Seat PAX 8 RH FF	959.30.01.502	11.340	8.02
		Seat PAX 9 RH FF	959.30.01.502	11.340	8.80
		Partition Net at Frame 24	950.10.00.073	1.650	6.65
		or at Frame 27	950.10.00.073	1.650	7.37
		Baggage Bay Net (Frame 34)	950.10.00.071	1.650	9.20
		Bulkhead (Frame 34)	950.10.00.053	1.697	9.15
		EXECUTIVE CABIN (6 Seat Configuration)			
X		Seat PAX 1 LH AF	959.30.10.601	17.822	5.75
		Seat PAX 2 RH AF	959.30.10.602	17.822	5.75
		Seat PAX 3 LH FF	959.30.10.603	17.538	7.08
		Seat PAX 4 RH FF	959.30.10.604	17.538	7.08
		Seat PAX 5 LH FF	959.30.30.603	17.538	8.15
		Seat PAX 6 RH FF	959.30.30.604	17.538	8.56
X		Sidewall table A, LH, stowable	950.10.00.306	5.215	6.43
X		Sidewall table B, RH, stowable	950.10.00.306	5.215	6.43
X		Sidewall table C, RH, stowable	950.10.00.306	5.215	7.92
X		WC Cabinet RH, fwd, with curtain	950.10.00.307	20.100	4.85
X		Stowage Cabinet, RH, fwd, with CD/Radio Audio System	950.10.00.316	12.271	5.39
X		Refreshment Cabinet, LH, fwd	950.10.00.309	14.204	5.38
		Partition Net at Frame 24	950.10.00.315	1.950	6.65
		or at Frame 27	950.10.00.315	1.950	7.37
X		Baggage Bay Net (Frame 34)	950.10.00.314	1.900	9.20
		Bulkhead (Frame 34)	950.10.00.341	1.697	9.15
	26	FIRE PROTECTION			
X		Fire Detection Sensor	975.12.10.012	0.300	1.79
X		Fire Extingulsher	959.08.06.201	2.260	4.46

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
	27	FLIGHT CONTROL			
X		Actuator, Aileron Trim Linear	978.73.18.131	0.290	5.97
X		Actuator, Rudder Trim Linear	978.73.18.131	0.290	12.60
X		Actuator, Stabilizer Trim Linear	978.73.14.202	5.000	12.60
X		Flaps Power Drive Unit	978.73.20.001	2.948	6.77
X		Transmitter, Rotation (2) (ea.)	978.73.20.601	0.113	6.00
X		Transmitter (3) (ea.)	978.73.20.021	0.150	6.00
X		Indicator, Trim, Triple	975.44.16.204	0.324	3.88
X		Indicator, Flaps	975.44.16.203	0.155	3.50
X		Warn-System	978.73.20.012	1.618	4.89
	28	FUEL			
X		Filler Cap (2) (ea.)	949.86.76.106	0.200	5.60
X		Valve, Shut-off	963.87.22.301	0.310	3.70
X		Filter	968.35.21.001	1.432	3.87
X		Check Valve, Firewall	963.04.26.722	0.080	3.03
X		Check Valve, Firewall	963.04.26.720	0.059	3.03
X		Check Valve	963.04.26.720	0.059	3.62
X		Separator, Air	528.24.12.110	0.840	3.71
X		Pump, Engine Driven	968.84.51.106	0.862	2.71
X		Transmitter, Fuel Flow	975.35.12.601	0.320	2.59
X		Pump, Centrifugal Boost (2) (ea.)	968.84.11.403	1.960	5.52
X		Pump, Transfer Ejector (2) (ea.)	968.84.71.104	0.165	6.32
X		Pump, Main Ejector (2) (ea.)	968.84.71.103	0.318	5.67
X		Check Valve (2) (ea.)	963.04.26.713	0.156	5.52
X		Check Valve (4) (ea.)	115.55.07.065	0.012	5.52
X		Check Valve (2) (ea.)	963.04.26.803	0.023	5.52
X		Check Valve (2) (ea.)	963.04.26.703	0.059	5.52
X		Valve, Drain (4) (ea.)	115.55.07.209	0.024	5.60
X		Sensor Fuel Qty, LH/RH (ea) Collector	975.37.31.234	0.100	5.89
X		Sensor Fuel Qty, LH/RH, Inner (ea)	975.37.31.233	0.100	5.89
X		Sensor Fuel Qty, LH/RH, Centre (ea)	975.37.31.232	0.080	5.89
X		Sensor Fuel Qty, LH/RH, Outer, (ea)	975.37.31.231	0.080	5.89
	29	HYDRAULIC			
X		Power Pack, Hydraulic	960.30.01.151	9.850	6.25
X		Accumulator	960.30.01.291	1.750	6.25
X		Indicator, Pressure (Mechanical)	965.61.88.101	0.055	6.25
X		Valve, Landing Gear Selector	960.30.01.271	0.540	3.75

Mark 'X' If installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
X		Handpump, Emergency Landing Gear	968.85.82.111	0.790	4.00
X		Valve, Service Selector	960.30.01.261	0.500	6.00
X		Actuator, Nose Gear	960.30.01.111	0.940	3.26
X		Actuator, Main Gear (2) (ea.)	960.30.01.101	6.660	5.92
X		Switch, Hydraulic (N2) Pressure	973.81.14.303	0.072	6.00
X		Switch, Low Pressure	973.81.14.304	0.072	6.00
	30	ICE AND RAIN PROTECTION			
X		Regulator/Reliever	959.89.01.012	0.410	3.50
X		Separator, Water	959.89.01.010	0.590	5.57
X		Valve, Ejector Flow Control (5) (ea.)	959.89.01.008	0.285	6.00
X		Timer, Airfoil Deice	959.89.01.014	0.245	6.25
X		Switch, Pressure (5) (ea.)	973.81.14.312	0.057	6.00
X		Boot Installation, RH Wing Inboard	959.89.01.032	2.449	5.41
X		Boot Installation, RH Wing Outboard	959.89.01.034	3.225	5.41
X		Boot Installation, LH Wing Inboard	959.89.01.031	2.449	5.41
X		Boot Installation, LH Wing Outboard	959.89.01.033	3.225	5.41
X		Boot Installation, RH Stabilizer	959.89.01.036	1.594	13.20
X		Boot Installation, LH Stabilizer	959.89.01.035	1.594	13.20
X		Brush Block, Prop Deice	968.29.13.222	0.100	0.90
X		Timer, Prop Deice	968.29.13.223	2.115	2.00
X		Controller, Pilot Windshield Deice	972.81.32.201	0.235	4.51
X		Tube, Pitot	965.11.12.302	0.411	5.50
X		Static Port, Heated (2) (ea.)	965.11.22.102	0.411	10.20
X		Actuator, Inertial Separator	978.73.15.301	0.960	2.65
	31	INDICATING/RECORDING SYSTEM			
X		Clock	999.61.11.212	0.755	3.50
X		CAWS Annunciator Panel	972.81.32.012	0.830	3.50
X		Control Unit, CAWS	972.81.32.003	1.055	4.95
X		Indicator, Cabin Temperature	975.15.16.101	0.120	3.70
X		Kit, Inclinator Pilot	975.96.32.431	0.020	3.50
X		Kit, Inclinator Co-Pilot	975.96.32.431	0.020	3.50
	32	LANDING GEAR			
X		Reservoir	959.47.91.103	0.090	4.45
X		Master Cylinder	959.47.51.131	0.250	3.10
X		Valve, Shuttle	963.23.11.101	0.171	3.10
X		Valve, Parking Brake	959.47.51.121	0.123	3.30
X		Hub, Main Wheel (2) (ea.)	959.56.01.501	6.680	6.25
X		Tire, Main Wheel (2) (ea.)	959.56.01.303	11.680	6.25

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X		Assembly, Main Wheel Brake (2) (ea.)	959.56.01.511	7.500	6.25
X		Hub, Nose Wheel	959.56.02.301	2.850	3.88
X		Tire, Nose Wheel	959.56.02.311	4.820	3.88
	33	LIGHTS			
X		Light, Utility (2) (ea.)	972.87.31.601	0.200	4.13
X		Assembly, Map Light (2) (ea.)	972.87.27.106	0.400	4.13
X		Assembly, Landing Light (2) (ea.)	972.87.69.401	0.339	6.00
X		Power Supply, Strobe (2) (ea.)	972.87.87.161	0.550	6.00
X		Assembly, Strobe Light RH	972.87.87.321	0.700	6.00
X		Assembly, Strobe Light LH	972.87.87.321	0.700	6.00
X		Assembly, Wingtip Position Light RH with Radar Pod	972.87.87.151	0.800	6.00
X		Assembly, Wingtip Position Light LH	972.87.87.152	0.800	6.00
X		Assembly, Tail Light	972.87.87.201	0.965	14.38
X		Assembly, Wing Inspection Light	972.87.67.111	0.245	4.38
X		Unit, Dim	975.02.15.201	0.500	4.38
X		Taxi Light	972.87.68.101	0.341	3.00
X		Instrument Light (8)	972.89.80.301	0.300	3.50
	34	NAVIGATION			
		INSTRUMENTS			
X		Altimeter, Encoding Ft/Mb/in. hg.	985.99.11.203	1.000	3.50
X		Altimeter, Encoding	985.99.11.635	1.000	3.50
		Altimeter	965.23.22.101	1.000	3.50
X		Indicator, Airspeed, Pilot	965.12.13.332	1.200	3.50
X		Indicator, Airspeed, Co-Pilot	965.12.13.333	0.900	3.50
X		Indicator, RMI, Pilot	985.99.11.771	1.210	3.50
X		Indicator, RMI, Co-Pilot	985.99.11.771	1.210	3.50
X		Indicator, Vertical Speed, Pilot	965.16.15.101	0.360	3.50
X		Indicator, Vertical Speed, Co-Pilot	965.16.15.101	0.360	3.50
X		Indicator, Attitude (2nd)	975.96.11.241	0.680	3.50
X		Compass, Magnetic	999.98.80.103	0.290	3.80
		ADF SYSTEM			
X		Receiver, ADF, KR 87	985.99.11.164	1.420	3.50
X		Antenna, ADF	985.99.11.167	1.300	9.00

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		DME SYSTEM			
X		DME, KN 63	985.99.11.101	1.270	5.35
X		Antenna, DME/IFF	984.81.10.240	0.138	4.60
		ATTITUDE HEADING REFERENCE SYSTEM			
X		Sensor, LCR-92 (No.1)	985.99.11.822	2.400	6.90
X		Sensor, LCR-92 (No. 2)	985.99.11.822	2.400	7.05
X		Valve, KMT 112 Flux (No. 1)	985.99.11.064	0.140	5.60
X		Valve, KMT 112 Flux (No. 2)	985.99.11.064	0.140	5.60
		TRANSPONDER SYSTEM			
		Transceiver, KT 71	985.99.11.146	1.760	3.50
		Transceiver, KT 70 Mode S	985.99.11.141	1.760	3.50
X		Antenna, ATC	984.81.10.240	0.138	4.60
		TCAS Processor	985.99.11.834		
		TCAS Antenna Top	985.99.11.835		
		TCAS Antenna Bottom	985.99.11.835		
		EFIS			
X		Symbol Generator, Pilot	975.96.32.402	6.100	7.15
X		EADI/EHSI Display, Pilot (2) (ea)	975.96.32.421	2.450	3.50
X		Panel, Control, Pilot	975.96.32.443	0.440	3.50
		Symbol Generator, MFD	975.96.32.402	6.100	7.65
		EADI/EHSI Display, MFD (2) (ea)	975.96.32.421	2.450	3.50
		Panel, CP467 Control, MFD	975.96.32.445	0.450	3.50
X		Symbol Generator, Co-Pilot	975.96.32.402	6.100	7.40
X		EADI/EHSI Display, Co-Pilot (2) (ea)	975.96.32.421	2.450	3.50
X		Panel, Control, Co-Pilot	975.96.32.443	0.440	3.50
X		Radar Altimeter KRA 405	985.99.11.561	2.920	5.35
X		Radar Altimeter Antenna (2) (ea)	984.81.29.101	0.200	5.00
		Moving Map Display, Argus	975.96.32.601		
		WEATHER RADAR			
X		Weather Radar RX/TX	985.99.11.500	4.800	5.27
X		Weather Radar Indicator	985.99.11.523	4.000	3.50
		Weather Radar Control Panel	985.99.11.516	0.780	3.50
X		Weather Radar Antenna	985.99.11.511	0.340	5.27

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		Stormscope, Processor	985.99.18.004	1.880	7.90
		Stormscope, Antenna	985.99.18.002	1.750	8.50
		GPS SYSTEM			
X		GPS, KLN 90B	985.99.11.192	2.700	3.50
X		Database	985.99.11.177	0.050	3.50
X		Antenna, GPS (KA 91B)	985.99.11.193	0.204	4.90
		MARKER BEACON			
X		Receiver, Marker	985.99.11.001	0.020	3.50
X		Antenna, Marker	984.81.10.260	0.570	11.40
	35	OXYGEN			
X		Cylinder, Composite (with regulator)	957.12.12.211	3.250	3.71
X		Gauge, Oxygen Pressure	957.12.12.180	0.085	4.09
X		Indicator, Overboard Discharge	957.12.16.901	0.015	4.02
X		Valve, Charging (external)	963.02.81.101	0.085	4.03
X		Outlet, Crew Oxygen (2) (ea.)	957.12.22.212	0.180	4.29
X		System, Pilot Breathing	957.12.01.206	0.580	4.50
X		Crew Mask Stowage Box	957.10.49.921	0.130	4.50
X		System, Co-Pilot Breathing	957.12.01.206	0.580	4.50
X		Crew Mask Stowage Box	957.10.49.921	0.130	4.50
X		Valve, 3-Position Control	963.32.11.101	0.250	4.20
X		Switch, Cabin Altitude Pressure	973.81.52.102	0.100	4.20
X		Switch, Flow/Transmit Pressure	973.81.14.401	0.150	4.20
X		Gauge, Pressure	957.12.12.180	0.085	4.20
		CORPORATE COMMUTER CABIN OXYGEN			
		Outlet, Passenger Oxygen (9) (ea.)	957.12.22.211	0.080	1=5.32
			...	...	2=6.07
			...	...	3=7.05
			...	...	4=7.01
			...	...	5=8.97
			...	...	6=5.22
			...	...	7=6.07
			...	...	8=6.99
			...	...	9=7.70

Mark 'X' If Installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		Mask, Passenger Oxygen (9) (ea.)	957.12.10.211	0.0120	1=5.43
			...	...	2=6.24
			...	...	3=7.06
			...	...	4=7.87
			957.12.10.211	0.0120	5=8.68
			...	...	6=5.43
			...	...	7=6.24
			...	...	8=7.06
			...	...	9=7.87
		EXECUTIVE CABIN OXYGEN			
X		Outlet, Passenger Oxygen (6) (ea.)	957.12.22.211	0.080	1=5.57
			...	...	2=5.57
			...	...	3=7.20
			...	...	4=7.24
			...	...	5=7.24
			...	...	6=8.61
X		Mask, Passenger Oxygen (6) (ea.)	957.12.10.211	0.0120	1=5.57
			...	...	2=5.57
			...	...	3=7.20
			...	...	4=7.25
			...	...	5=7.25
			...	...	6=8.61
	36	PNEUMATIC SYSTEM			
X		Valve, Non-Return	536.11.12.011	1.491	4.50
	61	PROPELLER			
X		Assembly, Hub/Blade/Spinner	968.29.13.002	80.196	0.83
X		Low Pitch Warning Switch	973.10.11.101	0.135	1.03
	71	POWERPLANT INSTALLATION			
X		EPA Tank	571.70.12.090	0.300	1.81
X		Check Valves (2) (ea.)	963.04.23.105	0.090	1.81
X		Shock Mounts (5) (ea)	944.81.21.409	1.434	1.94
	72	ENGINE			
X		PWC PT6A-67B Turboprop, dry	968.20.13.001	244.123	1.80

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
	74	IGNITION			
X		Box, Ignition Exciter	Included in engine		
	76	ENGINE CONTROL			
X		Cable, PCL	941.94.11.413	0.721	3.16
X		Cable, Condition Lever	941.94.11.412	0.992	3.16
X		Cable, MOR	941.94.11.411	0.734	2.80
	77	ENGINE INDICATING			
X		Transducer, Torque (Engine Indication)	975.21.15.206	0.230	1.21
X		Display Unit	975.29.02.013	1.500	3.50
	78	EXHAUST			
X		Assembly, Exhaust Stub LH	578.10.12.039	3.651	1.50
X		Assembly, Exhaust Stub RH	578.10.12.040	3.851	1.50
	79	OIL			
X		Assembly, Oil Cooler	968.32.14.102	7.700	2.29
X		Actuator, Thermal	978.73.01.001	0.250	2.33
X		Valve, Drain	963.82.21.241	0.052	2.43

Mark 'X' if installed	ATA Code	ITEM	PILATUS PART NO.	MASS kg	ARM m
		ADDITIONAL ITEMS (to be inserted as required)			
		First Aid Kit	959.30.02.191	0.80	4.510
		Time Scanner AT 652.0		0.20	3.900
		DC Converter BK 1301-7R		2.00	5.364
		Fire Extinguisher P/N: 76-00		4.06	8.770
		Transceiver KT70 Mode S	985.99.11.361	NO CHANGE	
X		Transceiver GTX 330D Mode S	985.99.11.369	1.52	3.50

Dieses Dokument ist
 aufbewahrungspflichtig und im I-Akt des
 Luftfahrzeuges aufzubewahren.

 Eintragungszeichen: **OE-EKD** Muster/Baureihe: **PC 12/45** Werk-Nr: **142**

 Luftfahrzeug-Einsatz: nicht gewerblich gewerblich VFR IFR Night

I. Prüfstatus der elektronischen Ausrüstung / Betriebsbeschränkungen:

Anlage	Hersteller	Typ/Muster	Partnummer	Serial-Nr.	Mod Status	SW-Status / Version
Audio Panel	B/K	KMA24H	066-1055-71	161438	3,5-7	-
COM/NAV/GPS #1	GARMIN	GTN650 Xi	011-04631-00	5FP004713	-	-
COM/NAV/GPS #2	GARMIN	GTN750 Xi	011-04634-00	5FR003153	-	-
DME	B/K	KN63	066-01070-0001	12645	-	-
ADF	B/K	KR87	066-1072-04	64124	1-5,7	-
ADS-B XPDR	GARMIN	GTX330D ES	011-00455-70	84206512	1-2	-
MKR	B/K	KR21	066-01021-0001	11056	-	-
ELT	KANNAD	406AF	S1821502-02	N0373-0004	-	Batt.Ex.:07/2024

Die vorstehend aufgeführten Anlagen entsprechen, soweit nicht anders angegeben, den in Österreich/JAA/EASA zugelassenen Mustern. Die Betriebstüchtigkeit der geprüften Bordausrüstung entspricht allen relevanten Verwendungs-, Navigations- und Einsatzarten und wurde mit unten angeführtem Datum festgestellt.

- Die elektronische Ausrüstung wurde umfassend überprüft. Die o.a. Liste entspricht der aktuellen Ausrüstung des Luftfahrzeugs.
 Die Prüfung der elektronischen Ausrüstung wurde auf die o. a. Anlagen beschränkt.

 Das Luftfahrzeug verfügt über eine Bordausrüstung für Flüge nach VFR IFR Night

 Der Prüfstatus der Bordausrüstung genügt den Anforderungen für Flüge nach VFR IFR Night

II. Mitgeltende Unterlagen / Prüfaufzeichnungen: (Angaben soweit zutreffend, sonst „NA“ eintragen.)

 Höhenmesser-Stau-/Statik-Prüfbericht vom: **20.12.2021** Transponder Prüfbescheinigung vom: **20.12.2021**
 Kompensierberichte Magnetkompass vom: **20.12.2021** Flugbericht vom: **N/A**
 Kompensierberichte Kompassanlagen/HSIs: **20.12.2021** Ausrüstungsliste geprüft am: **N/A**
III. Anlass der Prüfung/Art der Bescheinigung: (Zutreffende Punkte ankreuzen)

- Periodische Überprüfung gem. LTH 40A Instandsetzung / Reparatur Änderung Ausfuhr nach Erstzulassung

Freigabebescheinigung: Es wird bescheinigt, dass die angegebenen Arbeiten, wenn nicht anders ausgewiesen, in Übereinstimmung mit Part-145 ausgeführt wurden und dass hinsichtlich dieser Arbeiten das LFZ als tauglich zur Verwendung betrachtet wird.

Instandhaltung: Die elektronische Ausrüstung wurde gemäß LTH 40A instandgehalten.

IV. Hinweise und Anmerkungen:

EASA SIB 2011-15 Rev.2 - MODE S AND MODE C TRANSPONDER SYSTEMS - GROUND TESTING beachtet

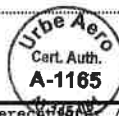
EASA SIB 2019-09 Rev.1 - EMERGENCY LOCATOR TRANSMITTERS AND PERSONAL LOCATOR BEACON - ANNUAL TESTING beachtet

LOAN, am 20.12.2021


Ort und Datum der Prüfung

David Stangl

Name Prüfer / Freigabeberechtigter / Stempel



Unterschrift Freigabeberechtigter / Zeichnungsberechtigter

Electronic Equipment Test Report		Registration:	OE-EKD
		Aircraft Type:	PC 12/45
		Registration Mark	Aircraft Serial No.: 142
		5033	Project No.: OEEKD-041021
		Date:	20.12.2021

Test Equipment	Type	Serial Number	Calibration Expires	Used
	IFR4000	103005225	03/2022	✓

ELT	
406 MHz Code	99663C30FB25DD1
Battery Expiry Date	07/2024
Test/Remote	✓

Equipment Installed			
✓ Mike/Headset	✓ Altitude Alert	✓ Instrument Light	
✓ Speaker	✓ EFIS	✓ Emergency Light	
✓ Intercom	✓ Backup Switching	✓ Antennas	
✗ PA	✓ Attitude Gyros	✓ Wiring/Cables	
✓ RMU	✓ Turn & Bank	✓ EMI Observation	
✓ Audio Selector Panel	✓ Stand-By Attitude	✓ Air Data Computer	

COM	#1	#2
Display Function	✓	✓
Radio Check	✓	✓
Frequency Dev. (kHz)	+0,1	0
Squelch (dBm)	-63	-64
Sensitivity (dBm)	<-67	<-67
25/50 kHz	✓	✓
AVC	✓	✓
760 Channels	✓	✓
8,33 kHz Spacing	✓	✓
FM Immunity	✓	✓
Antenna Condition	✓	✓

Compass	Compensation Date	Placard	Slave	Free LT	Free RT
Magnet	20.12.2021	✓	✓	✗	✗
Slaved #1	20.12.2021	✗	✓	✗	✗
Slaved #2	20.12.2021	✗	✓	✗	✗
Stand-By	N/A	✗	✗	✗	✗

Marker	#1	#2
Sensitiv. LOW (dBm)	-42	✗
Sensitiv. HI (dBm)	-53	✗
Test OM/AM/MM	✓	✗
Mute Function	✓	✗
Antenna Condition	✓	✗

ADF	
Display	✗
Frequency Selector	✗
Sensitivity	✗
BFO	✗
POS/NDB	✗
Antenna Condition	✗

DME	
Display	✓
TPP (dBm)	52,8
Frequency Dev. (MHz)	-0,01
Memory	✓
PRF (search/lock)	✓
Squitter	✓
Ident	✓
50% Reply	✓
X/Y Channel	✓
Range Deviation (NM)	0
Velocity Deviation (KT)	N/A
Frequ. Selector/Hold	✓
Remote NAV#1/NAV#2	✓
Antenna Condition	✓

VOR	#1	#2
Display Function	✓	✓
Ident/Voice/Audio	✓	✓
Sensitivity (dBm)	-63	-63
Standard Deviation	0	0
TO/FROM (°)	90/90	90/90
FLAG	✓	✓
Centering Error (°)	0	0
RMI	✓	✓
Repeater	✓	✗
FM Immunity	✓	✓
Antenna Condition	✓	✓

GPS	#1	#2
Display	✓	✓
NDB Expires		
VFR/IFR	IFR	IFR
Alt./Other Input	✓	✓
Position Error	✓	✓
Visible/Used Sat's	11/10	11/10
NAV	✓	✓
Antenna Condition	✓	✓

CVR	
Test	✗
Area Mike	✗
Hot Mike	✗

FDR	
Test	✗

LOC	#1	#2
Display Function	✓	✓
Ident/Voice/Audio	✓	✓
Sensitivity (dBm)	-63	-63
Standard Deviation	0	0
Left 0,093 DDM	0	0
Right 0,093 DDM	0	0
FLAG only 90/150 Hz	✓	✓
Repeater	✓	✗
Expanded	✓	✓
FM Immunity	✓	✓
Antenna Condition	✓	✓

FMS	#1	#2
Display	✗	✗
Keyboard	✗	✗
Sensors	✗	✗
NDB Expires	✗	✗
Position Error	✗	✗
RNP Ratings	✗	✗
BRNAV/PRNAV	✗	✗

TAS/TCAS	
Self-Test	✗
Display	✗
Aural	✗
Antenna Condition	✗

Radar Altimeter	
Test	✓
Decision Height	✓
Altitude GND Indicator	✓
Antenna Condition	✓

HF COM	
Tuning HI/MID/LOW	✗
Receive	✗
Transmit	✗
USB/AM	✗
Antenna Condition	✗

(E)GPWS	
Self-Test	✗
Display	✗
Aural	✗
Terrain Function	✗
Database Version	✗


Autopilot/Flightdirector					
Roll	Manual	✓	Pitch	Manual	✓
	HDG	✓		Alt. Hold	✓
	RNAV	✓		VNAV	✓
	NAV	✓		IAS	✓
	Approach	✓		V/S	✓
				G/S	✓

Weather	WX Radar	Stormscope
Display	✓	✗
Test	✓	✗
Sensitivity/PWR	✓	✗
Range Marks	✓	✗
Tilt	✓	✗
Antenna Condition	✓	✗

Glide Slope	#1	#2
Display Function	✓	✓
Sensitivity (dBm)	-55	-56
Standard Deviation	0	0
Up 0,093 DDM	0	0
Down 0,093 DDM	0	0
FLAG only 90/150 Hz	✓	✓
Repeater	✓	✗
FM Immunity	✓	✓
Antenna Condition	✓	✓

Signature and License
 Mechanic: _____
 Inspector: _____



Mode S Transponder Test Report		Registration:	OE-EKD
		Aircraft Type:	PC 12/45
	Registration Mark	Aircraft Serial No.:	142
	895	Project No.:	OEEKD-041021
		Date:	20.12.2021

Units under test	#1	#2
Manufacturer	Garmin	X
Type	GTX 33D ES	
Part Number	011-00455-70	
Serial Number	84206512	
Mod Status / Software Version	-	
Elementary Surveillance capable	✓	
Enhanced Surveillance capable	✓	

Test Equipment	
Manufacturer	Aeroflex
Type	IFR6000
Serial Number	104004321
Calibration Expires	01/2022

Results					
Tests	#1	#2	Tolerance	Remarks	
Transmitter Frequency	1089,69	X	1090 ± 1 MHz	-	
Sensitivity (MTL)	upper Antenna		-75,7	- 73 ± 4 dBm	-
	lower Antenna		-72,8	- 73 ± 4 dBm	-
Power	upper Antenna		50,0	48,5 < ERP < 57,0	-
	lower Antenna		51,8	48,5 < ERP < 57,1	-
SLS XPDR Reply	SLS 0 dB		0 %	max. 1%	-
	SLS -9 dB		100 %	min. 90%	-
Mode S address	4400D8 ✓			-	Transponder must not reply to any other than its assigned address
Mode S Diversity Isolation	> 25			> 20 dB	selected antenna > 20 dB > nonselected
ATCRBS/Mode S all-call, all-call address	4400D8				verify correct all-call address is reported
ATCRBS-only all-call interrogation	✓				verify no reply
MTL difference (Mode A - Mode C)	0,4			± 1 dBm	
Squitter	✓				approximately once per second
Auto test (if available)	✓				
Ident *	✓		on for ca. 20 seconds		
Pilots Code *	✓				
Altitude Code *	✓			see main altimeter at 1013,25 mb	
Mode S formats **	✓				


* No FAR 43 Appendix F requirement

** refer to following table

#1			
DF = 0	DF = 4	DF = 5	DF = 11
VS = 0	FS = 0	FS = 0	CA = 5
CC = 1	DR = 0	DR = 0	AA = 4400D8
SL = 0	UM = 0	UM = 0	PI = 00004F
RI = 11	AC = 0130	ID = 1FBF	DF = 21
AC = 0130	AA = 4400D8	AA = 4400D8	FS = N/A
AA = 4400D8	DF = 17	DF = 20	DR = N/A
DF = 16	CA = N/A	FS = N/A	UM = N/A
VS = 0	AA = N/A	DR = N/A	ID = N/A
SL = 0	ME = N/A	UM = N/A	MB = N/A
RI = 0	PI = N/A	AC = N/A	AA = N/A
AC = 130		MB = N/A	DF = 24
MV = 0000000000000000		AA = N/A	KE = N/A
AA = 4400D8			ND = N/A
			MD = N/A
			AA = N/A

#2			
DF = 0	DF = 4	DF = 5	DF = 11
VS =	FS =	FS =	CA =
CC =	DR =	DR =	AA =
SL =	UM =	UM =	PI =
RI =	AC =	ID =	DF = 21
AC =	AA =	AA =	FS =
AA =	DF = 17	DF = 20	DR =
DF = 16	CA =	FS =	UM =
VS =	AA =	DR =	ID =
SL =	ME =	UM =	MB =
RI =	PI =	AC =	AA =
AC =		MB =	DF = 24
MV =		AA =	KE =
AA =			ND =
			MD =
			AA =

Signature and License	
Mechanic:	
Inspector:	



Mode S formats and contents

Downlink Formats				
Format No.	DF	Contents	Description	
0	0 0000	VS, CC, SL, RI, AC, AP	Short Air - Air Surveillance	
4	0 0100	FS, DR, UM, AC, AP	Surveillance, Altitude Reply	
5	0 0101	FS, DR, UM, ID, AP	Surveillance, Identity Reply	
11	0 1011	CA, AA, PI	all-call Reply / Squitter	
16	1 0000	VS, SL, RI, AC, MV, AP	Long Air - Air Surveillance	
17	1 0001	CA, AA, ME, PI	Extended Squitter	
20	1 0100	FS, DR, UM, AC, MB, AP	Comm-B Altitude Reply	
21	1 0101	FS, DR, UM, ID, MB, AP	Comm-B Identity Reply	
24	1 1xxx	KE, ND, MD, AP	Comm-D (ELM)	

Field Contents

Field	Bits	Contents																																								
AA	24	The aircraft address announced in the clear, used in DF: 11, 17																																								
AC	13	The altitude code, used in DF: 0, 4, 16, 20. All bits are Zeros if altitude information is not available. Contains metric altitude if M-Bit (26) is One.																																								
AP	24	Parity overlaid on the address appears at the end of all transmissions up- and downlink except DF: 11																																								
CA	3	Squitter or All Call Reply, to report Transponder Capability. Codes 4-7 are for squitter only. Used DF: 11 <table border="1" style="margin-left: 20px;"> <tr><td>0</td><td>Level 1, no communication capability (surveillance only), XPDR transmits DF: 0, 4, 5, 11</td></tr> <tr><td>1</td><td>Level 2, Comm-A and Comm-B capability, XPDR transmits DF: 0, 4, 5, 11, 20, 21</td></tr> <tr><td>2</td><td>Level 3, Comm-A, Comm-B and uplink ELM capability, XPDR transmits DF: 0, 4, 5, 11, 20, 21, 24</td></tr> <tr><td>3</td><td>Level 4, Comm-A, Comm-B up- and downlink ELM capability, transmits DF: 0, 4, 5, 11, 20, 21, 24</td></tr> <tr><td>4</td><td>Level 2, 3 or 4; ability to set code 7 and is on ground</td></tr> <tr><td>5</td><td>Level 2, 3 or 4; ability to set code 7 and is on airborne</td></tr> <tr><td>6</td><td>Level 2, 3 or 4; ability to set code 7</td></tr> <tr><td>7</td><td>DR≠0 or FS=3, 4 or 5</td></tr> </table>	0	Level 1, no communication capability (surveillance only), XPDR transmits DF: 0, 4, 5, 11	1	Level 2, Comm-A and Comm-B capability, XPDR transmits DF: 0, 4, 5, 11, 20, 21	2	Level 3, Comm-A, Comm-B and uplink ELM capability, XPDR transmits DF: 0, 4, 5, 11, 20, 21, 24	3	Level 4, Comm-A, Comm-B up- and downlink ELM capability, transmits DF: 0, 4, 5, 11, 20, 21, 24	4	Level 2, 3 or 4; ability to set code 7 and is on ground	5	Level 2, 3 or 4; ability to set code 7 and is on airborne	6	Level 2, 3 or 4; ability to set code 7	7	DR≠0 or FS=3, 4 or 5																								
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4	Level 2, 3 or 4; ability to set code 7 and is on ground																																									
5	Level 2, 3 or 4; ability to set code 7 and is on airborne																																									
6	Level 2, 3 or 4; ability to set code 7																																									
7	DR≠0 or FS=3, 4 or 5																																									
CC	1	Indicates XPDR has ability to support crosslink capability, used in DF: 0																																								
DF	5	The first field in all downlink formats is the transmission descriptor.																																								
DR	5	Requests extraction of downlink and appears in DF: 4, 5, 20, 21; codes 1-15 take priority over 16-31 <table border="1" style="margin-left: 20px;"> <tr><td>0</td><td>No downlink requests.</td></tr> <tr><td>1</td><td>Request to send Comm-B message (B-Bit set).</td></tr> <tr><td>2</td><td>TCAS information available.</td></tr> <tr><td>3</td><td>TCAS information available and request to send Comm-B message.</td></tr> <tr><td>4</td><td>Comm-B broadcast #1 available.</td></tr> <tr><td>5</td><td>Comm-B broadcast #2 available.</td></tr> <tr><td>6</td><td>TCAS information and Comm-B broadcast #1 available.</td></tr> <tr><td>7</td><td>TCAS information and Comm-B broadcast #2 available.</td></tr> <tr><td>8-15</td><td>Not assigned.</td></tr> <tr><td>16-31</td><td>Request to send n-segments signified by 15+n.</td></tr> </table>	0	No downlink requests.	1	Request to send Comm-B message (B-Bit set).	2	TCAS information available.	3	TCAS information available and request to send Comm-B message.	4	Comm-B broadcast #1 available.	5	Comm-B broadcast #2 available.	6	TCAS information and Comm-B broadcast #1 available.	7	TCAS information and Comm-B broadcast #2 available.	8-15	Not assigned.	16-31	Request to send n-segments signified by 15+n.																				
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FS	3	Reports flight status of A/C and is used in DF: 4, 5, 20, 21 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Code</th> <th>Alert</th> <th>SPI</th> <th>airborne</th> <th>on GND</th> </tr> </thead> <tbody> <tr><td>0</td><td>no</td><td>no</td><td>yes</td><td>no</td></tr> <tr><td>1</td><td>no</td><td>no</td><td>no</td><td>yes</td></tr> <tr><td>2</td><td>yes</td><td>no</td><td>yes</td><td>no</td></tr> <tr><td>3</td><td>yes</td><td>no</td><td>no</td><td>yes</td></tr> <tr><td>4</td><td>yes</td><td>yes</td><td>either</td><td></td></tr> <tr><td>5</td><td>no</td><td>yes</td><td>either</td><td></td></tr> <tr><td>6,7</td><td colspan="4">Not assigned</td></tr> </tbody> </table>	Code	Alert	SPI	airborne	on GND	0	no	no	yes	no	1	no	no	no	yes	2	yes	no	yes	no	3	yes	no	no	yes	4	yes	yes	either		5	no	yes	either		6,7	Not assigned			
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3	yes	no	no	yes																																						
4	yes	yes	either																																							
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ID	13	The 4096-identification code as set by the pilot in DF: 5, 21																																								
KE	1	Defines the content of the ND and MD fields in Comm-D replies, DF:24.																																								
MB	56	Messages to be transmitted to the interrogator, part of the Comm-B replies, DF: 20, 21. Contains Data Link, Capability reports or A/C Identification Reports or TCAS Resolution Advisory Reports.																																								
MD	80	Comm-D field, part of DF: 24, contains one segment of a sequence transmitted by XPDR in the ELM mode.																																								
ME	56	Extended squitter message, part of DF: 17, contains broadcast messages.																																								
MV	56	Part of the long air-air surveillance reply, DF: 16, contains information used in air-air exchanges (Coordination Reply Messages)																																								
ND	4	Provides the segment number transmitted in a downlink ELM and is part of a Comm-D reply, DF: 24																																								
PI	24	Contains the parity overlaid on the interrogator identity code, DF: 11, Mode S Only All Call.																																								
RI	4	Information in DF: 0, 16 <table border="1" style="margin-left: 20px;"> <tr><td>0</td><td>No on-board TCAS.</td></tr> <tr><td>1</td><td>Not assigned.</td></tr> <tr><td>2</td><td>On-board TCAS with resolution capability inhibited.</td></tr> <tr><td>3</td><td>On-board TCAS with vertical-only resolution capability.</td></tr> <tr><td>4</td><td>On-board TCAS with vertical and horizontal resolution capability.</td></tr> <tr><td>5-7</td><td>Not assigned.</td></tr> <tr><td>8</td><td>No maximum airspeed data available.</td></tr> <tr><td>9</td><td>Airspeed is ≤75kts.</td></tr> <tr><td>10</td><td>Airspeed is >75kts and ≤150kts.</td></tr> <tr><td>11</td><td>Airspeed is >150kts and ≤300kts.</td></tr> <tr><td>12</td><td>Airspeed is >300kts and ≤600kts.</td></tr> <tr><td>13</td><td>Airspeed is >600kts and ≤1200kts.</td></tr> <tr><td>14</td><td>Airspeed is >1200kts.</td></tr> <tr><td>15</td><td>Not assigned.</td></tr> </table>	0	No on-board TCAS.	1	Not assigned.	2	On-board TCAS with resolution capability inhibited.	3	On-board TCAS with vertical-only resolution capability.	4	On-board TCAS with vertical and horizontal resolution capability.	5-7	Not assigned.	8	No maximum airspeed data available.	9	Airspeed is ≤75kts.	10	Airspeed is >75kts and ≤150kts.	11	Airspeed is >150kts and ≤300kts.	12	Airspeed is >300kts and ≤600kts.	13	Airspeed is >600kts and ≤1200kts.	14	Airspeed is >1200kts.	15	Not assigned.												
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SL	3	Reports the current operating sensitivity level of TCAS, is part of air-air surveillance replies, DF: 0, 16 Has no meaning for A/C with RI=0 (no on-board capability to generate resolution advisories). <table border="1" style="margin-left: 20px;"> <tr><td>0</td><td>No TCAS sensitivity level reported.</td></tr> <tr><td>1</td><td>TCAS operates at sensitivity level 1.</td></tr> <tr><td>2</td><td>TCAS operates at sensitivity level 2.</td></tr> <tr><td>3</td><td>TCAS operates at sensitivity level 3.</td></tr> <tr><td>4</td><td>TCAS operates at sensitivity level 4.</td></tr> <tr><td>5</td><td>TCAS operates at sensitivity level 5.</td></tr> <tr><td>6</td><td>TCAS operates at sensitivity level 6.</td></tr> <tr><td>7</td><td>TCAS operates at sensitivity level 7.</td></tr> </table>	0	No TCAS sensitivity level reported.	1	TCAS operates at sensitivity level 1.	2	TCAS operates at sensitivity level 2.	3	TCAS operates at sensitivity level 3.	4	TCAS operates at sensitivity level 4.	5	TCAS operates at sensitivity level 5.	6	TCAS operates at sensitivity level 6.	7	TCAS operates at sensitivity level 7.																								
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7	TCAS operates at sensitivity level 7.																																									
	6	Contains XPDR status readouts in DF: 4, 5, 20, 21.																																								
VS	1	Indicates A/C is airborne when Zero or on ground when One.																																								

Altimeter, Airspeed and Pitot/Static System test
According to FAR 43 App. E and F and TSO C46



Registration:	OE-EKD
Aircraft Type:	PC 12/45
Registration Mark	Aircraft Serial No.: 142
7029	Project No.: OEEKD-041021
	Date: 20 December 2021

General			
Location:	LOAN	Field Elevation:	920 ft
Airfield Info	Altimeter #1	Altimeter #2	B-Enc
QFE:	977	977	N/A
QNH:	1012	1012	N/A
Tolerance +/- 20 ft			
Serial Number:	8921	4268	154643

Air Data Test Set Information			
Manufacturer:	Druck Ltd.	Druck Ltd.	
Model:	ADTS 552F	ADTS 505	
Serial Number:	X 10448192	50500358	✓
Calibration Expires:	11/2021	07/2022	
Accuracy Specification:	RVSM	RVSM	

Scale Error						
Test point	Indication error in ft			Tolerance	Enc +/- 125 ft	
in ft	Alt. #1	Stby Alt.	Alt. #2	+/- ft	#1	#2
-1000	+10	N/A	-5	20	+25	N/A
0	+10	N/A	0	20	-30	N/A
500	+15	N/A	-5	20	-27	N/A
1000	+20	N/A	-10	20	-25	N/A
1500	+20	N/A	-10	25	-10	N/A
2000	+25	N/A	-10	30	-10	N/A
3000	+20	N/A	-10	30	-10	N/A
4000	+20	N/A	-10	35	-10	N/A
4100	Encoder with Gilham Code only				N/A	N/A
6000	+15	N/A	-5	40	0	N/A
8000	+25	N/A	+10	60	+5	N/A
10000	+20	N/A	-5	80	+5	N/A
12000	0	N/A	0	90	+5	N/A
14000	+40	N/A	-20	100	+20	N/A
15700	Encoder with Gilham Code only				N/A	N/A
16000	+60	N/A	0	110	+30	N/A
18000	+25	N/A	0	120	+35	N/A
20000	+40	N/A	-10	130	+50	N/A
22000	+45	N/A	+20	140	+80	N/A
25000	+50	N/A	+15	155	+100	N/A
30000	-80	N/A	0	180	+105	N/A
31000	Encoder with Gilham Code only				N/A	N/A
35000	-100	N/A	-10	205	+108	N/A

Static System Leak Test			
a) Non-Pressurized Cabin: Altimeter 1000 ft above QFE			N/A
b) Pressurized Cabin: refer to applicable AMM			✓
For a): max decrease: 100 ft/min	#1:	-80 ft/min	#2: N/A ft/min

Barometric Scale Error						
Druck	Druck	Alt. Difference in ft		Indication Error in ft Tol. +/- 25 ft		
inHg	hPa	for inHg	for hPa	Alt. #1	Stby Alt.	Alt. #2
28,10	952	-1727	-1715	25	N/A	5
28,50	965	-1340	-1334	20	N/A	10
29,00	982	-863	-864	20	N/A	15
29,50	999	-392	-391	20	N/A	15
29,92	1013	0	0	15	N/A	15
30,50	1033	531	531	20	N/A	10
30,90	1046	893	883	25	N/A	5
30,99	1050	974	989	25	N/A	5

Friction				
Test point	Indication error in ft			Tolerance
in ft	Alt. #1	Stby Alt.	Alt. #2	+/- ft
1000	N/A	N/A	30	70
2000	N/A	N/A	60	70
3000	N/A	N/A	45	70
5000	N/A	N/A	45	70
10000	N/A	N/A	45	80
15000	N/A	N/A	50	90
20000	N/A	N/A	60	100
25000	N/A	N/A	N/A	120
30000	N/A	N/A	N/A	140
35000	N/A	N/A	N/A	160


Vertical Speed Indicator Test				
Test Point	Indication Error			Model:
ft/min	VSI #1	Stby	VSI#2	7040
+ 4000	100	N/A	50	Serial Number: 0G086 / 0G076
+ 3000	100	N/A	150	Manufacturer: United Instruments
+ 2000	200	N/A	150	Range: -4000 to +4000
+ 1500	150	N/A	100	
+ 1000	100	N/A	50	Tolerance: 5% of full scale reading
+ 500	50	N/A	20	
0	0	N/A	0	Scale Error: ✓
- 500	-100	N/A	-50	Friction (max. 2%): ✓
- 1000	-100	N/A	-150	Position Error: N/A
- 1500	-150	N/A	-200	
- 2000	-200	N/A	-150	Vertical Speed Indicator test performed
- 3000	-150	N/A	-200	in acc. with TSO C8
- 4000	-50	N/A	-50	

Hysteresis Test				
	Alt. #1	Stby Alt.	Alt. #2	Tolerance
50% of max. Altitude	+55	N/A	+40	+/- 75 ft
40% of max Altitude	+10	N/A	+20	+/- 75 ft
After Effect	+10	N/A	+10	+/- 30 ft
Case Leak (18000 ft)	N/A	N/A	N/A	+/- 100 ft
Position Error	N/A	N/A	N/A	+/- 20 ft

Airspeed Indicator Test				
Test Point	Indication Error			Model:
Knots	ASI#1	Stby	ASI#2	5C46.32.35K.05.1.AH
40	0	N/A	1	Serial Number: 800267 / 1010152
50	0	N/A	1	Manufacturer: Revue Thomen AG
60	0	N/A	0	Range: 40 to 350
70	0	N/A	0	Type: I
80	0	N/A	0,5	
90	0	N/A	0,5	Tolerance in Percent of full scale reading (acc to TSO C46):
100	-0,5	N/A	0	Type I: First half scale 1,0%
120	1	N/A	1	Last half scale 1,4%
140	0,5	N/A	1	Type II: Expanded scale 1,0%
160	0	N/A	1	Compressed scale 2,5%
180	0	N/A	1	
200	0	N/A	0	Scale Error: ✓
220	-1	N/A	-2	Friction (max. 1%): ✓
240	2	N/A	-1	Dynamic Leak (max. 1Knt): ✓
260	2	N/A	-1	Case Leak (max. 1%): ✓
280	2	N/A	-1	Position Error: N/A
300	2,5	N/A	-1,5	
350	2,5	N/A	-1,5	

Finalization	
All lines reconnected, original condition restored	
Mechanic:	
Inspector:	




KOMPENSIER- BERICHT		 <small>MAINTENANCE ORGANIZATION</small>		
Baumuster: <i>PC12/45</i>		AT.145.081		
Kennzeichen: <i>OE-EKD</i>		Werknummer: <i>142</i>		
für	Magnetkompaß		Fernkompaß	
	ohne Funk	mit Funk	1	2
0°		360	359	359
30°		030	029	029
60°		061	059	059
90°		091	089	089
120°		120	119	120
150°		150	149	149
180°		179	179	179
210°		209	210	209
240°		239	240	240
270°		269	270	270
300°		299	300	300
330°		329	329	329

LOAN
Ort

20.12.2021
Datum



 Unterschrift

1. Approving Competent Authority / Country: Austro Control GmbH Osterreichische Gesellschaft für Zivilluftfahrt mit beschränkter Haftung Wagramer Strasse 19, 1030 Wien / Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number: L-16111	
4. Organisation Name and Address:  Urbe Aero GmbH Ferdinand Graf v. Zeppelinstrasse 9 A-2700 Wr.Neustadt Austria		5. Work Order / Contract / Invoice: DFWPW-011221			
6. Item:		7. Description:		8. Part No.:	
9. Qty.:		10. Serial No.:		11. Status / Work:	
1	HSI	066-3046-07	1	K1525A-B97078	Inspected
2	Vertical Speed Indicator	7040	2	349813, 319809	Inspected
3	Encoding Altimeter (AM 250)	70256N02D02	2	07080829D, 07080832D	Inspected
4	RMI	066-3038-00	1	KN1582-13197	Inspected
5	RMI	066-3060-01	1	KN1582-12127	Inspected
6	ASI	965.12.13.339	1	1044443	Inspected
7	ASI	965.12.13.838	1	1045354	Inspected
8	VOR/LOC Converter G/S Indicator	066-3034-04	1	71194	Inspected
9	VOR/LOC Converter G/S Indicator	066-3034-02	1	8431Z	Inspected
10	Slaving Unit	071-1212-01	1	KA51B-39683	Inspected

12. Remarks: Item 1-10 removed in serviceable condition from A/C: PILATUS PC12/47, Reg.: D-FWPW, S/N: 876, TAH: 6563:49, TAC: 5955 No Open/Due EASA AD on units mentioned in block 7 at time of removal.		<input type="checkbox"/> see attached workshop records for further information <input checked="" type="checkbox"/> Other regulation specified in block 12	
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12		14a. PART-145.A.50 Release to Service <input checked="" type="checkbox"/> Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.	
13b. Authorised Signature:		14b. Authorised Signature:	
13c. Approval / Authorisation Number:		14c. Certificate / Approval Ref. No.: EASA.A.T.145.081	
13d. Name:		14d. Date (dd mmm yyyy): 03.DEC.2021	
13e. Date (dd mmm yyyy):		14e. Date (dd mmm yyyy):	

USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.