



PART 121 - AIRCRAFT AIRWORTHINESS INSPECTION CHECKLIST

AIRCRAFT – P2 -

Dated:

	TASKS REQUIREMENTS	COMPLIES
1.	If a Type Acceptance Certificate is already granted, TAC No. Date Issued: _____ Category: _____ (Part 21.17) (21- 41(1))	
2.	Acceptance of Conformity received: Export C of A No: _____ Or equivalent not less than 28 days.	
3.	(Modifications and Repairs conform to Design Changes approved for the type. (AAC 21-2, EM 21.37, Part 21.41)(3).	
4.	Correct model and designation of the aircraft confirmed.	
5.	All Applicable Airworthiness Directives (Part 21.41(3)) compliance confirmed.(Part 39) have been compliance complied Obtain listing for CASA records in aircraft files including SB compliances	
6.	MEL for the aircraft assessed and approved.	
7.	Aircraft has undergone an “alignment” inspection I.A.W. Part 43 or equivalent within 60 days, and confirmed certified in aircraft log book. (Part 21.41 (8) - Standard and Restricted category requirements)	
8.	Additional requirements of Part 26 Appendix A, Appendix B and Appendix C complied with & aircraft complies with Part 91 inspection requirements, i.e. Rule: 91.605 (e) (1) – Radio Station test – 24 mnths 91.605(e) (2) – Altimeter test – 24 mnths 91.605(e) (5) – Compass Calibration – 24 mnths 91.605(e) (3) – SSR Transponder – 24mnths 91.605 (e) (4)– ELT Test – 12 mnths or battery replaced after >1 hour usage 91.605 (e) (8) – Emergency Equipment & test – 12 mnths or OEM limit 91.605 (e) (9) & (10) – Weighing records – 5yrly	
9.	Copy of previous aircraft Certificate of Airworthiness and it category issued (Part 21.35).	
10.	Review aircraft, engine, APU and propeller logbooks. Physically verify Part Numbers and Serial Numbers on Airframe, Engines, APU & propellers.	
11.	Aircraft, Engines and Propeller Hubs and Blades Serial Numbers as stated in the Logbook verified to be the same on physical inspection of the components. Ensure conforms to TCDS	
12.	The aircraft has a Technical logbook in compliance with Rule 91.619.	

13.	Listing of aircraft life limited parts (LLPs) – ensure within prescribed schedule. Review any due LLPs.	
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PART 47 REGISTRATION REQUIREMENTS		
1.	De-registration letter from previous State of Registry. Check and retain in aircraft file.	
2.	Nationality and Registration Marks are in Capital Letters in Roman character and with a numeral 2 with no ornamentation. (Part 47.117) Nationality and Registration marks letters are of equal height with a margin of at least 50 mm along each edge of the surface it is affixed. (Part 47.119)	
3.	A Three view set of photograph that clearly show the paint scheme and markings of the aircraft (Rule 47.105 (b) (3)).	
4.	Identification plate etched, stamped or engrave with the allocated nationality and registration marks and shall be fireproof metal or material of suitable physical properties.(Part 47.101(a) & 47.121)	
5.	Identifiable Paint Schemes and markings same as in Application Form CAA 47/02 and submitted with three colored photos. (Part 47.105)	

PART 26-	PNG ADDITIONAL REQUIREMENTS
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ITEM	TASK REQUIREMENTS	COMPLIES
1.	CAA Form 337- Approval of Technical data submitted if applicable (Part 21.95)	
2.	Statement of compliance provided by a PNG Design Organization stating that the technical data meets the requirements of Part 21.23, Foreign Type certificate submitted.	
3.	Part 26, Appendix A complies to aircraft, i.e. Normal and Emergency Exit clear and conspicuously marked with means of opening the Exit or Emergency exit or on a surface adjacent to the exit, and marks for instruction for operation of the exit is concise and in easy readable letters on a contrasting background.	

PART 26 APPENDIX C- AEROPLANES WITH A TYPE CERTIFICATED SEATING CAPACITY OF MORE THAN 19 PASSENGERS
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1.	Complies with Appendix A – marking of doors and emergency exits and B – airplane with TC seating capacity of more than 9 passengers	
2.	For more than 23 passengers, Exits meets the requirements for certification of the airplane type. (See TCDS).	
3.	Emergency exits in excess of the number required for certification meets all the provision of Appendix C (19 passengers or more) and readily Accessible.	
4.	Passage way has enough space next to Type I and Type II Exits to allow Crew members to assist in the evacuation of passengers.	
5.	Passage way not obstructed by seats, seat berths or other protrusions that would reduce effectiveness of the exits.	
6.	Each door separating a passenger compartment from an emergency exit has a means of latching it in the open position during each take-off and landing and has a placard indicating that the door must be open during each take-off and landing.	

7	Each passage way between passenger compartments that leads to an Emergency Exit not obstructed.	
8	There are no doors installed in any partition between passenger compartments	
9.	Emergency Exit operating handle location are clearly marked and readable from a distance.	
10.	Type I and Type II Emergency Exit with a locking mechanism released by rotary motion of the handle have instruction for opening the exit, i.e. Red arrow with a shaft at least 20 mm wide and a head twice the width of the shaft extending along at least 70° of arc at radius approximately equal to three - fourths of the handle length and the word "Open" in red letters 25 mm high placed horizontally near the head of the arrow.	
11.	Emergency Exit have a means of assisting occupants to descend to the ground that deploys automatically is capable of being armed during taxi, take-off and landing.	
12.	Emergency Exit Escape route is slip resistant.	
13.	Emergency Lighting System has a Cockpit controlled device with On, Off and Armed position and operable manually by the Flight Crew members normally seated position and a point in the passenger compartment readily accessible to the normal Flight Attendant seat.	
14.	Provide a 10 minutes level of illumination at the critical ambient condition after emergency landing.	
15.	Emergency Interior lighting is independent to the main lighting system.	
16.	Emergency Exit Exterior marking is clearly marked such that the identity and location is recognizable from a distant equal to the width of the cabin and the means of opening.	
17	Emergency Exits operable from the outside is marked with a continuous 50mm wide colored band outlining the exit and differed in color from the surrounding surface achieving visual contrast and may be on the edge of the exit on the surface surrounding the exit or partially on both. Instruction for opening is in Red or in bright chrome yellow.	
18.	No Smoking sign provided in the Lavatory Compartment.	
19.	Waste disposal receptacle doors have a sign indicating cigarette disposal is prohibited.	
20.	Waste disposal receptacle door has a fireproof door fitted that provides a seal to contain fires within the receptacle.	
21.	Built-in Fire Extinguishers design to discharge automatically upon occurrence of fire in the receptacle.	
22.	Lavatory is equipped with a Smoke Detector that provides a warning light in the cockpit or audio warning readily detectable by Crew members during all phases of flight.	
23.	Cargo and Baggage Compartments ceiling and sidewall materials made of glass fiber reinforced resin and meets the test requirements of FAR 25, Appendix F, Part III, or in the liner installation approved prior to March 1989, aluminum.	

PART 91- GENERAL OPERATING AND FLIGHT RULES
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ITEM	TASK DESCRIPTION	COMPLIES
1.	The aircraft is certified fit for release to service by a person with an appropriate license and rating and certified I.A.W. Part 43.	
2.	The aircraft cockpit instrumentations and markings conforms with the AFM requirements.	
3.	The aircraft has a Noise Certificate as applicable.	
4.	Fuel Quantity Gauges are calibrated IAW the AFM .	
5.	Fuel and Oil Filler Cap placarded with the specification and/or Grade of fuel or oil as appropriate.	
6.	Seats and Seat berths meets the requirements of TSO C25 or TSO C39 or equivalent standards.	
7.	Safety belts meets the requirements of TSO C22 or 150/FIA 8853 or equivalent standards	
8.	Safety Belts with single diagonal shoulder straps meet the requirements of TSO C22 or equivalent standards	
9.	Safety Harness meets the requirements of TSO C114 or equivalent standards.	
10.	Safety Harness incorporates an Inertia Reel. – Pilot & Co - Pilot	
11.	Child Restraint Systems secured to aircraft seat or berth by a safety belt meeting the requirements of TSO C22 or equivalent standards.	
12.	Anti-Collision lights are Red rotating beacon or Aviation Red or White capacitor discharge light meeting the requirements of TSO C96 or equivalent standards	
13.	Position lights making a single circuit, red light on port, green light on starboard placed laterally as far as practicable on the tail or wing tip visible rearward of the aircraft.	
14.	Flight Time Recorder	
15.	Three pointer Altimeters have a striped low altitude warning sector.	
16.	Aircraft with no sensitive pressure Altimeter is fitted with an Altimeter calibrated in increments of not more than 200 feet, refer to AFM for applicability	
17.	For aircraft type certified for more than 250 passengers, an Emergency Medical Kit installed and serviceable(CAR 121.363 and Appendix A.2 refers)	
18.	Fire Extinguisher type is BCF, and serviceable	
19.	Life Preserver meets the requirements of TSO C13 or European Normal EN396 or equivalent	
20.	Aircraft to be fitted with an axe that is readily accessible to the Crew (Rule 91.523.d)	

PART 121 – AIR OPERATOR – LARGE AEROPLANES

ITEM	DETAILS OF REQUIREMENTS	COMPLIES
1.	Requirements of Part 91 on types of Instruments and Equipments.	

2.	Windshield Wiper for each Pilot Station.	
3.	Door between Passenger and Flight Crew Compartment have means of locking preventing passengers from opening without the Flight Crew permission.	
4.	Power Supply and Distribution is able to produce and distribute load for the required Instrument and equipment if any power source or component of the power supply systems fail.	
5.	Each door that separates a Passenger compartment to another compartment have a key available for each crew member and a placard that indicates the door must be open during take-off and landing.	
6.	Two landing lights or a single landing light unit with two independent filaments and a light providing general illumination in each passenger compartment.	
7.	If operating under IFR, equipped with an additional and independent airspeed, calibrated in knots with prevention of malfunction due to icing or condensation.	
8.	An Attitude Indicator powered by a separate source.	
9.	Spare Fuses & Bulbs for Cockpit Instruments illumination and can be changed in flight.	
10.	ETOPS/RVSM/RNP certification standards/ (as applicable)	
11.	Aero planes configured for more than 30 passengers operated over water have sufficient life rafts to accommodate all occupants.	
12.	Aero plane is equipped with protective breathing equipment (CAR 121.365 & Appendix A.1 refers).	
13.	Aero plane is equipped with Public address & Intercom system.	
14.	Turbine powered airplanes fitted with a Cockpit Voice recorder.	
15.	Flight Data recorder fitted.	
16.	TCAS Mode S – has it been registered ; Check codes: Mode S Transponder Code –CASA to allocate PNG code – as applicable(91.541(b))	
17.	Third presentation of Attitude Indicator fitted.	
18.	Weather Radar fitted if applicable.	
19.	GPWS installed and serviceable	
20.	Terrain Awareness Warning Systems (TAWS) installed and serviceable	
21.	ACAS II (Airborne Collision Avoidance System) if fitted and serviceable	

ITEM	GENERAL CONDITION	COMPLIES
1.	Check Fuselage for corrosion and general condition.	
2.	Check Empennage for general condition and corrosion.	
3.	Check Horizontal and Vertical Stabilizers for condition, corrosion and freedom of movement.	
4.	Check LH and RH wing for general condition and corrosion.	
5.	Check wing flaps, ailerons, elevators, rudder, and trim tabs for general condition, corrosion, and correct travel and movement.	
6.	Check Cabin interior aesthetics for general condition & cabin windows for crazing	
7.	Check main and nose landing gears wheel wells, tyres, brake wear pins etc. for condition	
8.	Check Cockpit for general condition.	

9	Check Compass card for date of calibration.	
10	CAA Form CA 2129 – Equipment Approval Levels – (AC 43 -12)	
11	Check Radio Call sign fitted in front of Instrument panel.	
12	Check Flight Manual Stowage	
13	Check Safety equipments for Ice protection	
14	Check seats and seat rails for condition	
15	Check Emergency Exits for proper locking and legibility of placards.	
16	Check Instrumentations for IFR Operation.	
17	Aircraft carrying more than 19 passengers issued with a C of A after 1 July 2008 shall be equipped with at least two (2) ELTs , one of which shall be automatic. (CAR 121.353(b) & CAR 91- Appendix A.15 refers)	
18	Check ELT if the correct type per Rule Part 91 Appendix 15, expiry date and location of antenna. – 15 digit code: register with CASA PNG	
19	Check Avionics racks for condition and proper locking of Radio equipments.	
20	Check Engines, APUs & Propellers if applicable, for leaks, condition and corrosion.	
21	Check all placards are in place and in a satisfactory condition.	
22	Issue C of A and C of R for the aircraft and to include the Approved AFM. Ensure copy is in aircraft file.	
23	Inform Flight Operations for AOC Ops. Specs. update	
<p>Date Inspected: _____ Inspected by: _____</p> <p>Location: _____</p>		