ПРОГРАМА ЗА МИНИМАЛНИ ИНСПЕКЦИИ ПО Част-ML (MIP)
MINIMUM INSPECTION PROGRAMME
TASK / INSPECTION CHECKLIST / WORKSHEET
(aeroplanes of 2730 kg MTOM and below)

Aircraft registration:		**Aircraft total time:**		**Aircraft tach:**	
Station:		**Work order:**		**Date-period:**	

Documentations/manuals used including revision status		
Document Type	**Document Reference**	**Revision**

Note 1: The below task list is based on AMC1 ML.A.302(d).
Note 2: To be performed every annual/100-h interval, whichever comes first. A tolerance of 1 month or 10 h may be applied. The next interval shall be calculated from the time the inspection takes place.
Note 3: Use the current manufacturer's maintenance manual to accomplish each task/inspection.
Note 4: Proper operation of backup or secondary systems and components should be performed wherever a check for improper installation/operation is carried out.
Note 5: State **Y** (yes) **N** (no) in defect column. All defect must be recorded on a worksheet or in the appropriate logbook(s) with rectification taken.

(Annual / 100-h inspection)

System / component / area	Task and inspection detail	Defect Yes	Defect No	Accomplished (initial)
GENERAL				
General	Remove or open all necessary inspection plates, access doors, fairings, and cowlings. Clean the aircraft and aircraft engine as required	○	○	
Lubrication/servicing	Lubricate and replenish fluids in accordance with the manufacturer's requirements.	○	○	
Markings	Check that side and underwing registration markings are correct. If applicable, check that an exemption for alternate display is approved. Identification plate for national aviation authority (NAA)-registered aircraft is present, as well as other identification markings on fuselage in accordance with local (national) rules.	○	○	
Weighing	Review weighing record to establish accuracy against installed equipment. Weigh the aircraft as required by Part-NCO or Part-SPO, as applicable.	○	○	
Service life limits	Check the records that the service life limits and airworthiness limits are within the life time limits of the maintenance programme.	○	○	
Software	Check for updated software/firmware status and databases for engine and equipment.	○	○	
AIRFRAME				
Fabric and skin	Inspect for deterioration, distortion, other evidence of failure, and defective or insecure attachment of fittings. NOTE: When checking composite structures, check for signs of impact or pressure damage that may indicate underlying damage.	○	○	
Fuselage structure	Check frames, formers, tubular structure, braces, and attachments. Inspect for signs of corrosion and cracks.	○	○	
Systems and components	Inspect for improper installation, apparent defects, and unsatisfactory operation	○	○	
Pilot-static system	Inspect for security, damage, cleanliness, and condition. Drain any water from condensation drains.	○	○	
General	Inspect for lack of cleanliness and loose equipment that may foul the controls.	○	○	
Tow hooks	Inspect for condition of moving parts and wear. Check service life. Carry out operational test.	○	○	

CABIN AND COCKPIT				
Seats, safety belts and harnesses	Inspect for poor condition and apparent defects. Check for service life.	◯	◯	
Windows, canopies and windshields	Inspect for deterioration and damage, and for function of emergency jettison.	◯	◯	
Instrument panel assemblies	Inspect for poor condition, mounting, marking, and (where practicable) improper operation. Check markings of instruments in accordance with the flight manual.	◯	◯	
Flight and engine controls	Inspect for improper installation and improper operation.	◯	◯	
Speed/weight/manoeuvre placard	Check that the placard is correct and legible, and accurately reflects the status of the aircraft.	◯	◯	
All systems	Inspect for improper installation, poor general condition, apparent and obvious defects, and insecurity of attachment.	◯	◯	
LANDING GEAR				
Shock-absorbing devices	Inspect for improper oleo fluid level. Inspect for wear and deformation of rubber pads, bungees, and springs.	◯	◯	
All units	Inspect for poor condition and insecurity of attachment, including the related structure.	◯	◯	
Retracting and locking mechanism	Inspect mechanism. Operational check.	◯	◯	
Linkages, trusses and members	Inspect for undue or excessive wear fatigue and distortion.	◯	◯	
Steering	Inspect the nose/tail wheel steering for proper function and wear.	◯	◯	
Hydraulic lines	Inspect for leakage. Check condition and replace if necessary.	◯	◯	
Electrical system	Inspect for chafing. Operational check of switches.	◯	◯	
Wheels	Inspect for cracks, defects, and condition of bearings.	◯	◯	
Tires	Inspect for wear and cuts.	◯	◯	
Brakes	Inspect for improper adjustment and wear. Carry out operational test.	◯	◯	
Floats and skis	Inspect for insecure attachment and apparent defects.	◯	◯	
WING AND CENTRE SECTION				
All components	Inspect all components of the wing and centre section assembly for poor general condition, fabric or skin deterioration, distortion, evidence of failure and insecurity of attachment.	◯	◯	
Connections	Inspect main connections (e.g. between wings, fuselage, wing tips) for proper fit, play within tolerances, wear or corrosion on bolts and bushings.	◯	◯	
FLIGHT CONTROLS				
Control circuit/stops	Inspect control rods and cables. Check that the control primary stops are secure and make contact.	◯	◯	
Control surfaces	Inspect aileron, flap, elevator, air brake and rudder assemblies, hinges, control connections, springs/bungees, tapes and seals. Check full range of motion and free play.	◯	◯	
Trim systems	Inspect trim surfaces, controls, and connections. Check full range of motion.	◯	◯	
EMPENNAGE				
All components and systems	Inspect all components and systems that make up the complete empennage assembly for poor general condition, fabric or skin deterioration, distortion, evidence of failure, insecure attachment, improper component	◯	◯	
EMPENNAGE				
Batteries	Inspect for improper installation, improper charge, spillage and corrosion.	◯	◯	
Radio and electronic equipment	Inspect for improper installation and insecure mounting. Carry out ground function test.	◯	◯	
Wiring and condults	Inspect for improper routing, insecure mounting, and obvious defects.	◯	◯	
Bonding and shielding	Inspect for improper installation, poor condition, chafing and wear of insulation.	◯	◯	
Antennas	Inspect for poor condition, insecure mounting, and improper operation.	◯	◯	
Lights	Operational check of the interior, exterior and instrument lightning.	◯	◯	

POWER PLANT (OTHER THAN TURBOPROP ENGINE)				
Engine section	Inspect for visual evidence of oil, fuel or hydraulic leaks and sources of such leaks.	◯	◯	
Studs and nuts	Inspect for looseness, signs of rotation and obvious defects.	◯	◯	
Internal engine	Inspect for proper cylinder compression (record measures for each cylinder) and for metal particles or foreign matter in oil filter, screens and sump drain plugs.	◯	◯	
Engine Mounts	Inspect for cracks, looseness of mounting, and looseness of the engine to the engine-mount attachment.	◯	◯	
Flexible vibration dampeners	Inspect for poor condition and deterioration.	◯	◯	
Engine controls	Inspect for defects, improper travel, and improper safe tying.	◯	◯	
Lines, hoses and clamps	Inspect for leaks, improper condition, and looseness.	◯	◯	
Exhaust stacks	Inspect for cracks, defects, and improper attachment.	◯	◯	
Turbocharger and intercooler	Inspect for leaks, improper condition, and looseness of connections and fittings. Check MP controller or density controller for leakage and free movement of controls. Check waste gate or overpressure relief valve for free movements.	◯	◯	
Heating	Inspect cabin heating heat exchanger for improper condition and function. For exhaust heat exchanger, check CO (Carbon Monoxide) concentration.	◯	◯	
Liquid cooling systems	Inspect for leaks and proper fluid level.	◯	◯	
Electronic engine control	Inspect for signs of chafing, and proper electronics and sensor installation.	◯	◯	
Accessories	Inspect for apparent defects in security of mounting.	◯	◯	
All systems	Inspect for improper installation, poor general condition, defects and insecure attachment.	◯	◯	
Cowling	Inspect for cracks and defects. Check cowling flaps.	◯	◯	
Cooling baffles and seals	Inspect for cracks, defects, and improper attachment.	◯	◯	
TURBOPROP ENGINE				
Incoming power check	Perform in accordance with the graphs found in the engine maintenance manual (EMM).	◯	◯	
Inertial separator	Functional check	◯	◯	
Engine cowling	Remove, inspect for damage.	◯	◯	
General condition	Inspect for oil, fuel, bleed-air or other leaks.	◯	◯	
1st stage compressor blades	Remove screen, check for foreign object debris (FOD) or other damage.	◯	◯	
P3 filter	Replace	◯	◯	
Oil filter	Inspection and cleaning	◯	◯	
Fuel low pressure filter	Replace	◯	◯	
Fuel high pressure filter	Inspection and cleaning	◯	◯	
Oil scavenge filter	Inspection and cleaning	◯	◯	
Chip detector	Inspection and cleaning	◯	◯	
Exhaust duct	Inspection	◯	◯	
Starter/generator brushes	Inspection for proper length	◯	◯	
Ignitor/glow plugs	Functional check	◯	◯	
Overspeed governor	Inspect for oil leaks.	◯	◯	
Governor and beta-valve	Inspect for oil leaks or binding of controls.	◯	◯	
Propeller	Inspect blades for damage and hub leaks.	◯	◯	

(if installed) fire detector loop or sense module	Functional check	◯	◯	
Engine cowling	Install	◯	◯	
Power check	Perform in accordance with the graphs found in the EMM, record values.	◯	◯	
Oil check	Check within 10 minutes after shutdown.	◯	◯	
FUEL				
Fuel tanks	Inspect for leaks and improper installation and connection. Verify proper sealing and function of tank drains.	◯	◯	
CLUTCHES AND GEARBOXES				
Filters, screens and chip detectors	Inspect for metal particles and foreign matter.	◯	◯	
Exterior	Inspect for oil leaks.	◯	◯	
Output shaft	Inspect for excessive bearings' play and condition.	◯	◯	
PROPELLER				
Propeller assembly	Inspect for cracks, nicks, binds, and oil leakage.	◯	◯	
Propeller bolts	Inspect for proper installation, looseness, signs of rotation, and lack of safe tying.	◯	◯	
Propeller control mechanism	Inspect for improper operation, insecure mounting, and restricted travel.	◯	◯	
Anti-icing devices	Inspect for improper operation and obvious defects.	◯	◯	
MISCELLANEOUS				
Ballistic rescue system	Inspect for proper installation, unbroken activation mechanism, proper securing while on ground, validity of inspection periods of pyrotechnic devices, and parachute-packing intervals.	◯	◯	
Other miscellaneous items	Inspect installed miscellaneous items that are not otherwise covered by this listing for improper installation and improper operation.	◯	◯	
OPERATIONAL AND FUNCTIONAL CHECKS				
Power and revolutions per minute (rpm)	Check that power output, static and idle rpm are within published limits.	◯	◯	
Magnetos	Check for normal function.	◯	◯	
Fuel and oil pressure	Check that they are within normal values. Check fuel pumps for proper operation.	◯	◯	
Engine temperatures	Check that they are within normal values.	◯	◯	
Engine	For engines equipped with automated engine control (e.g. FADEC), perform the published run-up procedure and check for discrepancies.	◯	◯	
Engine	For dry-sump engines, engines with turbochargers and liquid-cooled engines, check for signs of disturbed fluid circulation.	◯	◯	
Pitot-static system	Perform functional check.	◯	◯	
Transponder	Perform operational check.	◯	◯	
Ice protection	Perform operational check of ice protection system.	◯	◯	
Fuel quantity indication	Check the fuel quantity indication for proper indication.	◯	◯	
Caution and warning	Operational check of cautions and warnings lights.	◯	◯	

After completion of all maintenance	Task and inspection detail	Accomplished (initial)
Carry out general verification to ensure:	- the aircraft is clear of all tools, equipment and any other extraneous parts and material	
	- that all access panels removed have been refitted	
Aircraft certificate of release to service	At the completion of all maintenance and verification above, when satisfied that all maintenance required has been properly carried out, issue aircraft release to service in the appropriate logbook(s) in accordance with Part-ML Subpart H (ML.A.801)	

Date completed:

Part-66 Licence number:

Certifying staff Name:

Certifying staff signature: