Human Environment and Transport
Inspectorate
Ministry of Infrastructure
and Water Management

Logbook

Practical experience Piston engine Group 3 Aircraft, cat. B1.2

This logbook is to be used to record details of experience on Group 3 Aircraft. This logbook is based on AMC/GM appendix II.
For more details in regards to experience requirements see EASA Part-66.A.45 + AMC

Subjects which are not related to the aircraft can be skipped, additional tasks can be added.

Logbook

Practical experience Piston engine Group 3 Aircraft , cat. B1.2
Human Environment and Transport Inspectorate
Ministry of Infrastructure and the Environmen

If this logbook is used to record experience on an individual Group 3 Aircraft type:

Type _____ (ref AMC to Part 66 AMC Appendix I Aircraft Type rating)

1. Details applicant

Name _____

Surname _____

Nationality _____

Address _____

Postal Code _____

Place of residence _____

2. Details Company (if applicable)

Company Name _____

Address _____

Part-145 approval no. _____

3. Details Supervisor/CS

Company Name

Address

Part 145 Approval reference

Supervisor name	AML License No*	Company authorisation No	Signature

Company Name

Address

Part 145 Approval reference

Supervisor name	AML License No*	Company authorisation No	Signature

** In case the Supervisor/CS is not in possession off a Dutch registered Part-66AML a copy of the foreign AML needs to be attached*

4.1 Aircraft Construction Experience

For a "Full Group 3 Rating" /B3 please indicate on which type of aircraft construction the experience requirements are met.

Check*	Construction Type	Aircraft type (1)	Aircraft type (2)	Aircraft type (3)	Aircraft type (4)
☐	Pressurized aeroplanes				
☐	Metal aeroplanes				
☐	Composite structure aeroplanes				
☐	Wooden structure aeroplanes				
☐	Metal tubing and fabric aeroplanes				

5. Duration Experience

Indicate in which period the experience is achieved.

Start date	End date	Company	Total Duration

6. Details Quality Manager/Supervisor(s)/AML holder
By signing it, the Manager or supervisor(s)/AML holder will ensure that the technician has sufficiently satisfied the basic experience requirements (ref. Part 66.A.30 basic experience requirements).

Name

Location

Company

Date

Signature

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
05	Time limits/maintenance checks					
	100 hr check (general aviation aircraft)					
	"B" or "C" (transport category aircraft)					
	Assist carrying out a scheduled maintenance check i.a.w. AMM					
	Review aircraft maintenance log for correct completion					
	Review records for compliance with airworthiness directives					
	Review records for compliance with component life limits					
	Procedure for inspection following heavy landing					
	Procedure for inspection following lightning strike					
	Replace LRU and perform test (BIT)					
06	Dimensions & Areas					
	Locate component(s) by zone/station number.					
	Perform symmetry check.					
07	Lifting and Shoring					
	Jack aircraft nose or tail wheel.					
	Jack complete aircraft.					
	Sling or trestle major component.					
08	Levelling/Weighing					
	Level aircraft.					
	Weigh aircraft.					
	Prepare weight and balance amendment.					
	Check aircraft against equipment list.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
09	Towing and Taxiing					
	Prepare for aircraft towing.					
	Tow aircraft.					
	Be part of aircraft towing team.					
10	Parking and mooring					
	Tie down aircraft.					
	Park , secure and cover aircraft.					
	Position aircraft in maintenance dock.					
11	Placards and Markings					
	Check aircraft for correct placards.					
	Check aircraft for correct markings.					
12	Servicing					
	Refuel aircraft.					
	Defuel aircraft.					
	Carry out tank to tank transfer.					
	Check tire pressures.					
	Check/replenish oil level.					
	Check/replenish hydraulic fluid level.					
	Charge pneumatic system.					
	Check replenish accumulator pressure.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
12	Servicing (continue)					
	Grease aircraft.					
	Connect ground power					
	Service potable water system.					
	Perform preflight/daily check					
21	Air conditioning					
	Replace combustion heater.					
	Replace flow control valve.					
	Replace outflow valve.					
	Replace safety valve.					
	Replace vapour cycle unit					
	Replace air cycle unit.					
	Replace cabin blower.					
	Replace heat exchanger.					
	Replace pressurisation controller.					
	Clean outflow valves.					
	Deactivate/reactivate cargo isolation valve.					
	Deactivate/reactivate avionics ventilation components.					
	Check operation of air conditioning/heating system.					
	Check operation of pressurisation system.					
	Trouble shoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
23	Communications					
	Replace static discharge wicks.					
24	Electrical Power					
	Charge lead/acid battery.					
	Charge ni-cad battery.					
	Check battery capacity.					
	Deep-cycle ni-cad battery.					
	Replace integrated drive/generator/alternator.					
	Replace switches.					
	Replace circuit breakers.					
	Adjust voltage regulator.					
	Change voltage regulator.					
	Amend electrical load analysis report					
	Repair/replace electrical feeder cable.					
	Troubleshoot faulty system.					
	Perform functional check of integrated drive/generator/alternator.					
	Perform functional check of voltage regulator.					
	Perform functional check of emergency generation system					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
25	Equipment/Furnishings					
	Replace carpets.					
	Replace crew seats.					
	Replace passenger seats.					
	Check inertia reels.					
	Check seats/belts for security.					
	Check emergency equipment.					
	Check ELT for compliance with regulations.					
	Repair toilet waste container.					
	Remove and install ceiling and sidewall panels.					
	Repair upholstery.					
	Change cabin configuration.					
	Replace cargo loading system actuator.					
	Test cargo loading system.					
	Replace escape slide/rope					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
26	Fire protection					
	Check fire bottle contents.					
	Check/test operation of fire/smoke detection and warning systems.					
	Check cabin fire extinguisher contents.					
	Check lavatory smoke detector system.					
	Check cargo panel sealing.					
	Install new fire bottle.					
	Replace fire bottle squib.					
	Troubleshoot faulty system.					
	Inspect engine fire wire detection systems.					
27	Flight controls					
	Inspect primary flight controls and related component i.a.w. AMM					
	Extending/retracting flaps & slats.					
	Replace horizontal stabiliser.					
	Replace spoiler/lift damper.					
	Replace elevator.					
	Deactivation/reactivation of aileron servo control.					
	Replace aileron.					
	Replace rudder.					
	Replace trim tabs.					
	Install control cable and fittings.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
27	Flight Controls (continue)					
	Replace slats.					
	Replace flaps.					
	Replace powered flying control unit.					
	Replace flap actuator.					
	Rig primary flight controls.					
	Adjust trim tab.					
	Adjust control cable tension.					
	Check control range and direction of movement.					
	Check for correct assembly and locking.					
	Troubleshoot faulty system.					
	Functional test of primary flight controls					
	Functional test of flap system.					
	Operational test of the side stick assembly.					
	Operational test of the THS.					
	THS system wear check.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
28	Fuel					
	Water drain system (operation).					
	Replace booster pump.					
	Replace fuel selector.					
	Replace fuel tank cells.					
	Replace/test fuel control valves.					
	Replace magnetic fuel level indicators.					
	Replace water drain valve.					
	Check/calculate fuel contents manually.					
	Check filters.					
	Flow check system.					
	Check calibration of fuel quantity gauges.					
	Check operation feed/selectors.					
	Check operation of fuel dump/jettison system.					
	Fuel transfer between tanks.					
	Pressure defuel.					
	Pressure refuel (manual control).					
	Deactivation/reactivation of the fuel valves (transfer defuel, X-feed, refuel)					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
29	Hydraulics					
	Replace engine driven pump.					
	Check/replace case drain filter.					
	Replace standby pump.					
	Replace hydraulic motor pump/generator.					
	Replace accumulator.					
	Check operation of shut off valve.					
	Check filters/clog indications.					
	Check indicating systems.					
	Perform functional checks.					
	Pressurisation/depressurisation of the hydraulic system.					
	Power Transfer Unite (PTU) operation.					
	Replacement of PTU					
	Troubleshoot faulty system.					
30	Ice and Rain protection					
	Replace pump.					
	Replace timer.					
	Inspect repair propeller de-ice system.					
	Test propeller de-icing system.					
	Inspect/test wing leading edge de-icer boot(s).					
	Replace anti-ice/de-ice valve.					
	Replacement of windscreen wiper blades.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
30	Ice and Rain protection (continue)					
	Install wiper motor.					
	Check operation of systems.					
	Operational test of the pitot-probe ice protection.					
	Operational test of the TAT ice protection.					
	Operational test of the wing ice protection system.					
	Assistance of the operational test of the engine air-intake ice protection (with engines operating)					
	Troubleshoot faulty system					
31	Indicating/recording systems					
	Replace flight data recorder.					
	Replace cockpit voice recorder.					
	Replace clock.					
	Replace master caution.					
	Perform FDR data retrieval.					
	Troubleshoot faulty system.					
	Implement EDSD procedures.					
	Inspect for HIRF requirements.					
	Start/stop EIS procedure.					
	Bite test of the CFDU.					
	Ground scanning of the central warning system					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
32	Landing Gear					
	Build up wheel.					
	Replace nose wheel.					
	Replace main wheel.					
	Replace steering actuator.					
	Replace truck tilt actuator.					
	Replace gear retraction actuator.					
	Replace uplock/downlock assembley.					
	Replace shimmy damper.					
	Rig nose wheel steering.					
	Functional test of the nose wheel steering system.					
	Replace shock strut seals.					
	Replace brake unit.					
	Replace brake control valve.					
	Bleed brakes.					
	Replace brake fan.					
	Test anti skid unit.					
	Change bungees.					
	Adjust micro switches/sensors.					
	Charge struts with oil and air.					
	Test auto-brake system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
32	Landing Gear (continue)					
	Check/test emergency landing gear extension (alternate).					
	Operational test of the landing gear doors.					
33	Lights					
	Replace/repair rotating beacon.					
	Replace/repair landing lights.					
	Replace/repair navigation lights.					
	Replace/repair interior lights.					
	Replace/repair ice inspection lights.					
	Replace/repair logo lights.					
	Replace/repair emergency lighting system.					
	Perform emergency lighting system schecks.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
34	Navigation					
	Calibrate magnetic direction indicator.					
	Check pitot static system for leaks.					
	Check calibration of pitot static instrument.					
	Check marker systems.					
	Compass replacement direct/indirect.					
35	Oxygen					
	Inspect on board oxygen equipment.					
	Purge and recharge oxygen system.					
	Replace regulator.					
	Replace oxygen regulator.					
	Test crew oxygen system.					
	Perform auto oxygen system deployment check.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
36	Pneumatic systems					
	Replace filter.					
	Replace air shut off valve.					
	Replace pressure regulating valve.					
	Replace computer.					
	Recharge dessicator.					
	Adjust regulator.					
	Check for leaks.					
	Troubleshoot faulty system.					
	Perform Bite check.					
	Troubleshoot faulty system.					
37	Vacuum systems					
	Inspect the vacuum system i.a.w. AMM					
	Replace vacuum pump.					
	Check/replace filters.					
	Adjust regulator.					
	Troubleshoot faulty system					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
38	Water/waste systems					
	Replace water pump.					
	Replace tap.					
	Replace toilet pump.					
	Perform water heater functional check.					
	Inspect waste bin flap closer.					
	Troubleshoot faulty system.					
45	Central Maintenance system					
	Retrieve data form CMU.					
	Replace CMU.					
	Perform Bite check.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
51	Structures					
	Assessment of damage.					
	Sheet metal repair.					
	Fibre glass repair.					
	Wooden repair.					
	Fabric repair.					
	Recover fabric control surface.					
	Treat corrosion.					
	Apply protective treatment.					
52	Doors					
	Inspect passenger door i.a.w. AMM					
	Rig/adjust locking mechanism.					
	Adjust air stair system.					
	Check operation of emergency exits.					
	Test door warning system.					
	Troubleshoot faulty system.					
	Remove/install passenger door i.a.w. AMM					
	Remove/install emergency door i.a.w. AMM					
	Inspect cargo door i.a.w. AMM					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
56	Windows					
	Replace windshield.					
	Replace direct vision window.					
	Replace cabin window.					
	Repair transparency.					
57	Wings					
	Skin repair.					
	Recover fabric wing.					
	Replace tip.					
	Replace rib.					
	Replace integral fuel tank panel.					
	Check incidence/rig					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
61	Propeller					
	Assemble prop after transportation.					
	Replace propeller					
	Replace governor.					
	Adjust governor.					
	Perform static functional checks.					
	Check operation during ground run.					
	Check track.					
	Check setting of micro switches.					
	Assessment of blade damage i.a.w. AMM					
	Dynamically balance propeller.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
71	Power plant					
	Build up ECU.					
	Replace engine.					
	Repair cooling baffles.					
	Repair cowling.					
	Adjust cowl flaps.					
	Repair faulty wiring.					
	Troubleshoot.					
	Assist in dry motoring run					
	Assist in wet motoring run					
	Assist in engine start (manual mode)					
72	Piston Engines					
	Remove/install reduction gear.					
	Check crankshaft run-out.					
	Check tappet clearance.					
	Check compression.					
	Extract broken stud.					
	Install helicoil.					
	Perform groundrun.					
	Establish/check reference RPM.					
	Troubleshoot					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
73	Fuel and control, Piston					
	Replace engine driven pump.					
	Adjust AMC.					
	Adjust ABC.					
	Install carburettor/injector.					
	Adjust carburettor/injector.					
	Clean injector nozzles.					
	Replace primer line.					
	Check carburettor float setting.					
	Troubleshoot faulty system.					
74	Ignition systems, Piston					
	Change magneto.					
	Change ignition vibrator.					
	Change plugs.					
	Test plugs.					
	Check H.T. leads.					
	Install new leads.					
	Check timing.					
	Check system bonding.					
	Trouble shoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
76	Engine controls					
	Rig thrust lever.					
	Rig RPM control.					
	Rig mixture HP cock lever.					
	Rig power lever.					
	Check control sync (multi-eng).					
	Check controls for correct assembly and locking.					
	Check controls for range and direction of movement.					
	Adjust pedal micro-switches.					
	Troubleshoot faulty systems.					
77	Engine indicating					
	Replace engine instrument(s).					
	Replace oil temperature bulb.					
	Replace thermocouples.					
	Check calibration.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
78	Exhaust, Piston					
	Replace exhaust gasket.					
	Inspect welded repair.					
	Pressure check cabin heater muff.					
	Troubleshoot faulty system.					
79	Oil					
	Change oil.					
	Check filters.					
	Adjust pressure relief valve.					
	Replace oil tank.					
	Replace oil pump.					
	Replace oil cooler.					
	Replace firewall shut off valve.					
	Perform oil dilution test.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
80	Starting					
	Replace starter.					
	Replace start relay.					
	Replace start control valve.					
	Check cranking speed.					
	Troubleshoot faulty system.					
81	Turbocharging					
	Replace PRT.					
	Replace turbo-blower.					
	Replace heat shield.					
	Replace waste gate.					
	Adjust density controller.					
82	Engine Water injection					
	Replace water/methanol pump.					
	Flow check water/methanol system.					
	Adjust water/methanol control unit.					
	Check fluid for quality.					
	Troubleshoot faulty system.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
83	Accessory gear boxes					
	Replace gearbox.					
	Replace drive shaft.					
	Inspect magnetic chip detector.					
ALL	Additional tasks performed					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by:(sign)	Date
ALL	Additional tasks performed					