

LOG-BOOK – 06

On-the-Job Training (OJT) Tasks List

gem. EASA Part-66.A.45(c)



Name of Trainee: _____

Date of birth: _____

Genehmigungszahl Bescheid ACG : LSA - _____

On-the-Job Training (OJT) Tasks List gem. EASA Part-66.A.45(c)



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Block 01						
General Data						
Aircraft rating applied for AML Category:		Aircraft types:				
Block 02						
Name of maintenance Organisation and Location		Approval reference number of Maintenance Organisation		Signature of accountable or technical manager		
Block 03						
Name of Supervisor	Name of Assessor	Position, Organisation, Approval No/Licence No	Signature sample	Assessment started (date)	Assessment completed (date)	Remarks (assess ATA chapter)
Block 04						
Date of task completion	Description of task and job card/work order/tech log etc.			Aircraft registration	Trainee Signature	Supervisor Signature
	ATA Chapter 05 Time limits/Maintenance checks					
	100 hour check (general aviation aircraft).					
	“B” or “C” check (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.					

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	ATA Chapter 06 Dimensions/Areas			
	Locate component(s) by zone/station number.			
	Perform symmetry check.			
	ATA Chapter 07 Lifting and Shoring			
	Assist in:			
	Jack aircraft nose or tail wheel.			
	Jack complete aircraft.			
	Sling or trestle major component.			
	ATA Chapter 08 Levelling/Weighing			
	Level aircraft.			
	Weigh aircraft.			
	Prepare weight and balance amendment.			
	Check aircraft against equipment list.			
	ATA Chapter 08 Towing and Taxiing			
	Prepare for aircraft towing.			
	Tow aircraft.			
	Be part of aircraft towing team.			
	ATA Chapter 10 Parking and Mooring			
	Tie down aircraft.			
	Park, secure and cover aircraft.			
	Position aircraft in maintenance dock.			
	Secure rotor blades.			
	ATA Chapter 11 Placards and Markings			
	Check aircraft for correct placards.			
	Check aircraft for correct markings			
	ATA Chapter 12 Servicing			
	Refuel aircraft.			
	Defuel aircraft.			

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Carry out tank to tank fuel transfer.			
Check/adjust tire pressures.			
Check/replenish oil level.			
Check/replenish hydraulic fluid level.			
Check/replenish accumulator pressure.			
Charge pneumatic system.			
Grease aircraft.			
Connect ground power.			
Service toilet/potable water system.			
Perform pre-flight/daily check.			
ATA Chapter 18 Vibration and Noise Analysis			
Analyse helicopter vibration problem.			
Analyse noise spectrum.			
Analyse engine vibration.			
ATA Chapter 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.			

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	Check operation of pressurisation system.			
	Troubleshoot faulty system.			
	ATA Chapter 22 Auto flight			
	Install servos.			
	Rig bridle cables.			
	Replace controller.			
	Replace amplifier.			
	Replacement of the auto flight system LRUs in case of fly-by-wire aircraft.			
	Check operation of auto-pilot.			
	Check operation of auto-throttle/auto-thrust.			
	Check operation of yaw damper.			
	Check and adjust servo clutch.			
	Perform autopilot gain adjustments.			
	Perform mach trim functional check.			
	Troubleshoot faulty system.			
	Check autoland system.			
	Check flight management systems.			
	Check stability augmentation system.			
	ATA Chapter 23 Communications			
	Replace VHF com unit.			
	Replace HF com unit.			
	Replace existing antenna.			
	Replace static discharge wicks.			
	Check operation of radios.			
	Perform antenna VSWR check.			
	Perform Selcal operational check.			
	Perform operational check of passenger address system.			
	Functionally check audio integrating system.			

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	Repair co-axial cable.			
	Troubleshoot faulty system.			
	ATA Chapter 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 Chapter 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.			

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	Repair upholstery.			
	Change cabin configuration.			
	Replace cargo loading system actuator.			
	Test cargo loading system.			
	Replace escape slides/ropes.			
	ATA Chapter 25 Fire protection			
	Check fire bottle contents.			
	Check/test operation of fire/smoke detection and warning system.			
	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.			
	ATA Chapter 27 Flight Controls			
	Inspect primary flight controls and related components 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.			
	Replace slats.			
	Replace flaps.			

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Replace powered flying control unit.			
Replace flat 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 Chapter 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.			

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	Pressure defuel.			
	Pressure refuel (manual control).			
	Deactivation/reactivation of the fuel valves (transfer defuel, X-feed, refuel).			
	Troubleshoot faulty system.			
	ATA Chapter 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 indicators.			
	Check indicating systems.			
	Perform functional checks.			
	Pressurisation/depressurisation of the hydraulic system.			
	Power Transfer Unit (PTU) operation.			
	Replacement of PTU.			
	Troubleshoot faulty system.			
	ATA Chapter 30 Ice and rain protection			
	Replace pump.			
	Replace timer.			
	Inspect repair propeller deice boot.			
	Test propeller de-icing system.			
	Inspect/test wing leading edge de-icer boot.			
	Replace anti-ice/deice valve.			
	Install wiper motor.			
	Check operation of systems.			
	Operational test of the pitot-probe ice protection.			

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	Operational test of the TAT ice protection.			
	Operational test of the wing ice protection system.			
	Assistance to the operational test of the engine air-intake ice protection (with engines operating).			
	Troubleshoot faulty system.			
	ATA Chapter 31 Indicating/recording systems			
	Replace flight data recorder.			
	Replace cockpit voice recorder.			
	Replace clock.			
	Replace master caution unit.			
	Replace FDR.			
	Perform FDR data retrieval.			
	Troubleshoot faulty system.			
	Start/stop EIS procedure.			
	Bite test of the CFDIU.			
	Ground scanning of the central warning system.			
	ATA Chapter 32 Landing Gear			
	Build up wheel.			
	Replace main wheel.			
	Replace nose wheel.			
	Replace steering actuator.			
	Replace truck tilt actuator.			
	Replace gear retraction actuator.			
	Replace uplock/downlock assembly.			
	Replace shimmy damper.			
	Rig nose wheel steering.			
	Functional test of the nose wheel steering system.			
	Replace shock strut seals.			
	Servicing of shock strut.			

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Replace brake unit.			
Replace brake control valve.			
Bleed brakes.			
Replace brake fan.			
Test anti skid unit.			
Test gear retraction.			
Change bungees.			
Adjust micro switches/sensors.			
Charge struts with oil and air.			
Troubleshoot faulty system.			
Test auto-brake system.			
Replace rotorcraft skids.			
Replace rotorcraft skid shoes.			
Pack and check floats.			
Flotation equipment.			
Check/test emergency blowdown (emergency landing gear extension).			
Operational test of the landing gear doors.			
ATA Chapter 33 Lights			
Repair/replace rotating beacon.			
Repair/replace landing lights.			
Repair/replace navigation lights.			
Repair/replace interior lights.			
Replace ice inspection lights.			
Repair/replace logo lights.			
Repair/replace emergency lighting system.			
Perform emergency lighting system checks.			
Troubleshoot faulty system.			

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ATA Chapter 34 Navigation				
	Calibrate magnetic direction indicator.			
	Replace airspeed indicator.			
	Replace altimeter.			
	Replace air data computer.			
	Replace VOR unit.			
	Replace ADI.			
	Replace HSI.			
	Check pitot static system for leaks.			
	Check operation of directional gyro.			
	Functional check weather radar.			
	Functional check doppler.			
	Functional check TCAS.			
	Functional check DME.			
	Functional check ATC Transponder.			
	Functional check flight director system.			
	Functional check inertial nav system.			
	Complete quadrantal error correction of ADF system.			
	Update flight management system database.			
	Check calibration of pitot static instruments.			
	Check calibration of pressure altitude reporting system.			
	Troubleshoot faulty system.			
	Check marker systems.			
	Compass replacement direct/indirect.			
	Check Satcom.			
	Check GPS.			
	Test AVM.			

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	ATA Chapter 35 Oxygen			
	Inspect on-board oxygen equipment.			
	Purge and recharge oxygen system.			
	Replace regulator.			
	Replace oxygen generator.			
	Test crew oxygen system.			
	Perform auto oxygen system deployment check.			
	Troubleshoot faulty system.			
	ATA Chapter 36 Pneumatic systems			
	Replace filter.			
	Replace air shut off valve.			
	Replace pressure regulating valve.			
	Replace compressor.			
	Recharge dessicator.			
	Adjust regulator.			
	Check for leaks.			
	Troubleshoot faulty system.			
	ATA Chapter 37 Vacuum systems			
	Inspect the vacuum system i.a.w. AMM.			
	Replace vacuum pump.			
	Check/replace filters.			
	Adjust regulator.			
	Troubleshoot faulty system.			
	ATA Chapter 38 Water/Waste			
	Replace water pump.			
	Replace tap.			
	Replace toilet pump.			
	Perform water heater functional check.			

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	Troubleshoot faulty system.			
	Inspect waste bin flap closure.			
	ATA Chapter 45 Central Maintenance System			
	Retrieve data from CMU.			
	Replace CMU.			
	Perform Bite check.			
	Troubleshoot faulty system.			
	ATA Chapter 49 Airborne Auxiliary power			
	Install APU.			
	Inspect hot section.			
	Troubleshoot faulty system.			
	ATA Chapter 51 Structures			
	Assessment of damage.			
	Sheet metal repair.			
	Fibre glass repair.			
	Wooden repair.			
	Fabric repair.			
	Recover fabric control surface.			
	Treat corrosion.			
	Apply protective treatment.			
	ATA Chapter 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 and install passenger door i.a.w. AMM.			

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	Remove and install emergency exit i.a.w. AMM.			
	Inspect cargo door i.a.w. AMM.			
	ATA Chapter 56 Windows			
	Replace windshield.			
	Replace direct vision window.			
	Replace cabin window.			
	Repair transparency.			
	ATA Chapter 57 Wings			
	Skin repair.			
	Recover fabric wing.			
	Replace tip.			
	Replace rib.			
	Replace integral fuel tank panel.			
	Check incidence/rig.			
	ATA Chapter 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 prop.			
	Troubleshoot faulty system.			
	ATA Chapter 62 Main Rotors			
	Install rotor assembly.			

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	Replace blades.			
	Replace damper assembly.			
	Check track.			
	Check static balance.			
	Check dynamic balance.			
	Troubleshoot.			
	ATA Chapter 65 Rotor Drive			
	Replace mast.			
	Replace drive coupling.			
	Replace clutch/freewheel unit.			
	Replace drive belt.			
	Install main gearbox.			
	Overhaul main gearbox.			
	Check gearbox chip detectors.			
	ATA Chapter 64 Tail Rotors			
	Install rotor assembly.			
	Replace blades.			
	Troubleshoot.			
	ATA Chapter 65 Tail Rotor Drive			
	Replace bevel gearbox.			
	Replace universal joints.			
	Overhaul bevel gearbox.			
	Install drive assembly.			
	Check chip detectors.			
	Check/install bearings and hangers.			
	Check/service/assemble flexible couplings.			
	Check alignment of drive shafts.			
	Install and rig drive shafts.			

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ATA Chapter 67 Rotorcraft flight controls				
Install swash plate.				
Install mixing box.				
Adjust pitch links.				
Rig collective system.				
Rig cyclic system.				
Rig anti-torque system.				
Check controls for assembly and locking.				
Check controls for operation and sense.				
Troubleshoot faulty system.				
ATA Chapter 71 Power Plant				
Build up ECU.				
Replace engine.				
Repair cooling baffles.				
Repair cowling.				
Adjust cowl flaps.				
Repair faulty wiring.				
Troubleshoot.				
Assist in dry motoring check.				
Assist in wet motoring check.				
Assist in engine start (manual mode).				
ATA Chapter 72 Piston Engines				
Remove/install reduction gear.				
Check crankshaft run-out.				
Check tappet clearance.				
Check compression.				
Extract broken stud.				
Install helicoil.				

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	Perform ground run.			
	Establish/check reference RPM.			
	Troubleshoot.			
	ATA Chapter 72 Turbine Engines			
	Replace module.			
	Replace fan blade.			
	Hot section inspection/boroscope check.			
	Carry out engine/compressor wash.			
	Carry out engine dry cycle.			
	Engine ground run.			
	Establish reference power.			
	Trend monitoring/gas path analysis.			
	Troubleshoot.			
	ATA Chapter 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.			
	ATA Chapter 73 Fuel and control, turbine			
	Replace FCU.			
	Replace Engine Electronic Control Unit (FADEC).			
	Replace Fuel Metering Unit (FADEC).			
	Replace engine driven pump.			

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	Clean/test fuel nozzles.			
	Clean/replace filters.			
	Adjust FCU.			
	Troubleshoot faulty system.			
	Functional test of FADEC.			
	ATA Chapter 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.			
	Troubleshoot faulty system.			
	ATA Chapter 74 Ignition systems, turbine			
	Perform functional test of the ignition system.			
	Check glow plugs/ignitors.			
	Check H.T. leads.			
	Check ignition unit.			
	Replace ignition unit.			
	Troubleshoot faulty system.			
	ATA Chapter 76 Engine Controls			
	Rig thrust lever.			
	Rig RPM control.			
	Rig mixture HP cock lever.			
	Rig power lever.			
	Check control sync (multi-eng).			

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	Check controls for correct assembly and locking.			
	Check controls for range and direction of movement.			
	Adjust pedestal micro-switches.			
	Troubleshoot faulty system.			
	ATA Chapter 77 Engine Indicating			
	Replace engine instrument(s).			
	Replace oil temperature bulb.			
	Replace thermocouples.			
	Check calibration.			
	Troubleshoot faulty system.			
	ATA Chapter 78 Exhaust, piston			
	Replace exhaust gasket.			
	Inspect welded repair.			
	Pressure check cabin heater muff.			
	Troubleshoot faulty system.			
	ATA Chapter 78 Exhaust, turbine			
	Change jet pipe.			
	Change shroud assembly.			
	Install trimmers.			
	Inspect/replace thrust reverser.			
	Replace thrust reverser component.			
	Deactivate/reactivate thrust reverser.			
	Operational test of the thrust reverser system.			
	ATA Chapter 79 Oil			
	Change oil.			
	Check filter(s).			
	Adjust pressure relief valve.			
	Replace oil tank.			

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	Replace oil pump.			
	Replace oil cooler.			
	Replace firewall shut off valve.			
	Perform oil dilution test.			
	Troubleshoot faulty system.			
	ATA Chapter 80 Starting			
	Replace starter.			
	Replace start relay.			
	Replace start control valve.			
	Check cranking speed.			
	Troubleshoot faulty system.			
	ATA Chapter 81 Turbines, piston engines			
	Replace PRT.			
	Replace turbo-blower.			
	Replace heat shields.			
	Replace waste gate.			
	Adjust density controller.			
	ATA Chapter 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 Chapter 83 Accessory gear boxes			
	Replace gearbox.			
	Replace drive shaft.			
	Inspect magnetic chip detector.			

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ATA Chapter 49 APU				
	Removal/installation of the APU.			
	Removal/installation of the inlet guide-vane actuator.			
	Operational test of the APU emergency shut-down test.			
	Operational test of the APU.			
Additional remarks: Note her each additional maintenance task which was performed by trainee in the following columns.				